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(Lima Metropolitana incluye a la Provincia Constitucional del Callao)

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(Lima Metropolitana incluye a la Provincia Constitucional del Callao)

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(Lima Metropolitana incluye a la Provincia Constitucional del Callao)

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## LIMA: PRINCIPALES INDICADORES DEL MERCADO DE TRABAJO, 2004 - 2018

| Años                 | Población en<br>Edad de Trabajar<br>(PET) 1/ | Población Económicamente Activa (PEA) 2/ |            |               | Indicadores          |                             |                      |
|----------------------|----------------------------------------------|------------------------------------------|------------|---------------|----------------------|-----------------------------|----------------------|
|                      |                                              | Total                                    | Ocupada 3/ | Desocupada 4/ | Tasa de<br>actividad | Ratio empleo /<br>población | Tasa de<br>desempleo |
| En miles de personas |                                              |                                          |            |               | En porcentaje        |                             |                      |
| 2004                 | 6,217.5                                      | 4,171.1                                  | 3,831.0    | 340.1         | 67.1                 | 61.6                        | 8.2                  |
| 2005                 | 6,279.8                                      | 4,063.6                                  | 3,732.9    | 330.7         | 64.7                 | 59.4                        | 8.1                  |
| 2006                 | 6,471.2                                      | 4,356.2                                  | 4,067.4    | 288.8         | 67.3                 | 62.9                        | 6.6                  |
| 2007                 | 6,508.1                                      | 4,572.0                                  | 4,286.1    | 285.9         | 70.3                 | 65.9                        | 6.3                  |
| 2008                 | 6,639.3                                      | 4,692.1                                  | 4,395.0    | 297.1         | 70.7                 | 66.2                        | 6.3                  |
| 2009                 | 6,772.2                                      | 4,758.7                                  | 4,469.3    | 289.4         | 70.3                 | 66.0                        | 6.1                  |
| 2010                 | 6,906.9                                      | 4,892.4                                  | 4,614.3    | 278.1         | 70.8                 | 66.8                        | 5.7                  |
| 2011                 | 7,043.5                                      | 4,990.3                                  | 4,719.5    | 270.8         | 70.8                 | 67.0                        | 5.4                  |
| 2012                 | 7,181.9                                      | 5,107.0                                  | 4,866.3    | 240.7         | 71.1                 | 67.8                        | 4.7                  |
| 2013                 | 7,322.1                                      | 5,078.9                                  | 4,846.8    | 232.1         | 69.4                 | 66.2                        | 4.6                  |
| 2014                 | 7,463.7                                      | 5,062.4                                  | 4,828.1    | 234.3         | 67.8                 | 64.7                        | 4.6                  |
| 2015                 | 7,606.9                                      | 5,182.7                                  | 4,925.3    | 257.4         | 68.1                 | 64.7                        | 5.0                  |
| 2016                 | 7,752.1                                      | 5,387.7                                  | 5,047.7    | 339.9         | 69.5                 | 65.1                        | 6.3                  |
| 2017                 | 7,899.4                                      | 5,543.3                                  | 5,190.2    | 353.0         | 70.2                 | 65.7                        | 6.4                  |
| 2018                 | 8,048.0                                      | 5,582.8                                  | 5,249.8    | 333.1         | 69.4                 | 65.2                        | 6.0                  |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

1/ Se refiere a las personas de 14 a más años de edad que están aptas en cuanto a edad para el ejercicio de funciones productivas.

2/ Se refiere a las personas en edad de trabajar que en la semana de referencia de la encuesta se encontraban trabajando, o no se encontraban trabajando pero estaban buscando trabajo activamente.

3/ Se refiere a las personas en edad de trabajar que en la semana de referencia de la encuesta se encontraban trabajando.

4/ Se refiere a las personas en edad de trabajar que en la semana de referencia de la encuesta no se encontraban trabajando pero estaban buscando trabajo activamente.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA: DISTRIBUCIÓN DE LA PEA POR NIVEL DE EMPLEO, 2004 - 2018

(Porcentaje)

| Años | Desempleo<br>1/ | Subempleo |              |                    | Empleo<br>adecuado<br>4/ | Total<br>relativo | Total PEA<br>(Miles de<br>personas) |
|------|-----------------|-----------|--------------|--------------------|--------------------------|-------------------|-------------------------------------|
|      |                 | Total     | Por horas 2/ | Por<br>ingresos 3/ |                          |                   |                                     |
| 2004 | 8.2             | 57.8      | 5.2          | 52.6               | 34.1                     | 100.0             | 4,171.1                             |
| 2005 | 8.1             | 62.1      | 4.2          | 57.8               | 29.8                     | 100.0             | 4,063.6                             |
| 2006 | 6.6             | 51.1      | 5.6          | 45.5               | 42.2                     | 100.0             | 4,356.2                             |
| 2007 | 6.3             | 46.6      | 6.9          | 39.8               | 47.1                     | 100.0             | 4,572.0                             |
| 2008 | 6.3             | 41.3      | 6.5          | 34.8               | 52.4                     | 100.0             | 4,692.1                             |
| 2009 | 6.1             | 41.4      | 6.5          | 34.9               | 52.6                     | 100.0             | 4,758.7                             |
| 2010 | 5.7             | 41.4      | 6.6          | 34.8               | 52.9                     | 100.0             | 4,892.4                             |
| 2011 | 5.4             | 37.3      | 4.3          | 33.0               | 57.3                     | 100.0             | 4,990.3                             |
| 2012 | 4.7             | 34.0      | 3.0          | 31.0               | 61.3                     | 100.0             | 5,107.0                             |
| 2013 | 4.6             | 32.6      | 2.2          | 30.3               | 62.9                     | 100.0             | 5,078.9                             |
| 2014 | 4.6             | 31.9      | 2.2          | 29.7               | 63.4                     | 100.0             | 5,062.4                             |
| 2015 | 5.0             | 30.2      | 1.6          | 28.5               | 64.9                     | 100.0             | 5,182.7                             |
| 2016 | 6.3             | 29.4      | 2.1          | 27.3               | 64.3                     | 100.0             | 5,387.7                             |
| 2017 | 6.4             | 30.3      | 2.3          | 28.0               | 63.3                     | 100.0             | 5,543.3                             |
| 2018 | 6.0             | 29.9      | 2.2          | 27.7               | 64.1                     | 100.0             | 5,582.8                             |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

1/ Se refiere a la PEA desocupada.

2/ Se refiere a la PEA ocupada con menos de 35 horas semanales, que desea trabajar horas adicionales y tiene disponibilidad para hacerlo.

3/ Se refiere a la PEA ocupada que no es subempleada por horas y cuyo ingreso es inferior al Ingreso Mínimo Referencial (canasta mínima de consumo familiar / promedio de perceptores de ingresos laborales por hogar).

4/ Se refiere a la PEA ocupada que no es subempleada por horas ni subempleada por ingresos.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: DISTRIBUCIÓN DE LA PEA OCUPADA POR ESTRUCTURA DE MERCADO, 2004 - 2018**  
(Porcentaje)

| Años | Sector público | Sector privado 1/ |                        |                          |                           |                    | Independiente | Trabajador familiar no remunerado | Trabajador del hogar | Total relativo | Total PEA ocupada (Miles de personas) |
|------|----------------|-------------------|------------------------|--------------------------|---------------------------|--------------------|---------------|-----------------------------------|----------------------|----------------|---------------------------------------|
|      |                | Total             | De 2 a 10 trabajadores | De 11 a 100 trabajadores | De 101 y más trabajadores | No especificado 2/ |               |                                   |                      |                |                                       |
| 2004 | 9.0            | 50.1              | 26.6                   | 14.3                     | 9.1                       | 0.0                | 27.6          | 6.8                               | 6.5                  | 100.0          | 3831.0                                |
| 2005 | 8.2            | 51.9              | 25.8                   | 15.3                     | 10.8                      | 0.1                | 28.5          | 5.1                               | 6.3                  | 100.0          | 3732.9                                |
| 2006 | 7.8            | 52.2              | 24.5                   | 15.3                     | 12.2                      | 0.2                | 27.6          | 5.4                               | 7.1                  | 100.0          | 4067.4                                |
| 2007 | 9.0            | 52.6              | 26.1                   | 14.0                     | 12.3                      | 0.2                | 26.8          | 5.1                               | 6.4                  | 100.0          | 4286.1                                |
| 2008 | 8.1            | 54.4              | 26.0                   | 15.3                     | 12.8                      | 0.2                | 27.3          | 4.3                               | 6.0                  | 100.0          | 4395.0                                |
| 2009 | 7.9            | 54.2              | 24.8                   | 15.4                     | 13.9                      | 0.2                | 27.5          | 4.5                               | 5.9                  | 100.0          | 4469.3                                |
| 2010 | 7.5            | 53.6              | 25.3                   | 15.1                     | 13.0                      | 0.3                | 28.6          | 4.7                               | 5.6                  | 100.0          | 4614.3                                |
| 2011 | 9.0            | 54.4              | 23.9                   | 15.0                     | 14.8                      | 0.6                | 27.2          | 4.9                               | 4.6                  | 100.0          | 4719.5                                |
| 2012 | 8.2            | 56.5              | 24.0                   | 15.4                     | 16.2                      | 0.8                | 26.4          | 4.8                               | 4.2                  | 100.0          | 4866.3                                |
| 2013 | 8.2            | 57.5              | 24.7                   | 16.7                     | 16.0                      | 0.1                | 26.0          | 4.1                               | 4.2                  | 100.0          | 4846.8                                |
| 2014 | 8.8            | 57.0              | 23.8                   | 16.2                     | 16.9                      | 0.1                | 26.6          | 3.8                               | 3.7                  | 100.0          | 4828.1                                |
| 2015 | 8.6            | 57.5              | 24.5                   | 16.9                     | 16.0                      | 0.1                | 25.6          | 4.1                               | 4.2                  | 100.0          | 4925.3                                |
| 2016 | 8.6            | 56.7              | 24.7                   | 15.1                     | 16.9                      | 0.1                | 27.1          | 3.8                               | 3.8                  | 100.0          | 5047.7                                |
| 2017 | 8.6            | 54.9              | 24.5                   | 15.9                     | 14.5                      | 0.0                | 28.9          | 3.8                               | 3.9                  | 100.0          | 5190.2                                |
| 2018 | 8.9            | 54.3              | 24.4                   | 15.6                     | 14.3                      | 0.0                | 29.7          | 3.3                               | 3.8                  | 100.0          | 5249.8                                |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

1/ Incluye a los empleadores.

2/ Cifras referenciales para todos los años.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: DISTRIBUCIÓN DE LA PEA OCUPADA POR GRUPO OCUPACIONAL, 2004 - 2018**  
(Porcentaje)

| Años | Profesional,<br>técnico, gerente,<br>administrador y<br>funcionario | Empleado<br>de oficina | Vendedor | Agricultor, ganadero,<br>pescador, minero y<br>cantero 1/ | Artesano y<br>operario | Obrero,<br>jornalero | Conductor | Trabajador de<br>los servicios | Trabajador<br>del hogar | Total<br>relativo | PEA<br>ocupada<br>(Miles de<br>personas) |
|------|---------------------------------------------------------------------|------------------------|----------|-----------------------------------------------------------|------------------------|----------------------|-----------|--------------------------------|-------------------------|-------------------|------------------------------------------|
| 2004 | 17.6                                                                | 8.5                    | 20.9     | 5.4                                                       | 14.7                   | 4.4                  | 5.8       | 16.3                           | 6.5                     | 100.0             | 3831.0                                   |
| 2005 | 17.5                                                                | 8.8                    | 20.3     | 5.2                                                       | 14.8                   | 3.5                  | 6.4       | 17.3                           | 6.3                     | 100.0             | 3732.9                                   |
| 2006 | 16.0                                                                | 9.2                    | 20.9     | 5.2                                                       | 15.1                   | 3.6                  | 6.4       | 16.5                           | 7.1                     | 100.0             | 4067.4                                   |
| 2007 | 18.1                                                                | 9.4                    | 19.5     | 4.2                                                       | 15.7                   | 3.7                  | 5.6       | 17.4                           | 6.4                     | 100.0             | 4286.1                                   |
| 2008 | 17.6                                                                | 11.2                   | 19.7     | 3.7                                                       | 14.9                   | 3.5                  | 7.2       | 16.1                           | 6.0                     | 100.0             | 4395.0                                   |
| 2009 | 18.4                                                                | 10.4                   | 18.5     | 3.8                                                       | 13.8                   | 3.5                  | 6.7       | 19.0                           | 5.9                     | 100.0             | 4469.3                                   |
| 2010 | 17.1                                                                | 10.2                   | 19.3     | 3.4                                                       | 15.1                   | 3.5                  | 7.0       | 18.9                           | 5.6                     | 100.0             | 4614.3                                   |
| 2011 | 18.2                                                                | 11.7                   | 18.1     | 3.5                                                       | 15.3                   | 3.5                  | 6.9       | 18.3                           | 4.6                     | 100.0             | 4719.5                                   |
| 2012 | 19.0                                                                | 12.0                   | 18.6     | 3.3                                                       | 16.0                   | 3.4                  | 6.1       | 17.5                           | 4.2                     | 100.0             | 4866.3                                   |
| 2013 | 19.1                                                                | 12.2                   | 19.5     | 3.6                                                       | 15.1                   | 2.7                  | 6.5       | 17.0                           | 4.2                     | 100.0             | 4846.8                                   |
| 2014 | 19.4                                                                | 12.2                   | 18.8     | 3.3                                                       | 14.5                   | 2.9                  | 6.7       | 18.5                           | 3.7                     | 100.0             | 4828.1                                   |
| 2015 | 19.1                                                                | 10.8                   | 17.4     | 3.7                                                       | 14.9                   | 2.9                  | 7.8       | 19.3                           | 4.2                     | 100.0             | 4925.3                                   |
| 2016 | 19.5                                                                | 11.3                   | 18.4     | 3.5                                                       | 13.9                   | 3.5                  | 7.5       | 18.4                           | 3.8                     | 100.0             | 5047.7                                   |
| 2017 | 19.5                                                                | 11.0                   | 19.2     | 3.4                                                       | 13.6                   | 3.3                  | 7.5       | 18.7                           | 3.9                     | 100.0             | 5190.2                                   |
| 2018 | 20.8                                                                | 10.9                   | 19.0     | 3.4                                                       | 12.5                   | 3.3                  | 7.9       | 18.4                           | 3.8                     | 100.0             | 5249.8                                   |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Clasificación basada en el "Código de Ocupaciones" (Adaptación de la Clasificación Internacional Uniforme de Ocupaciones. Revisada: CIUO - 88).

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

1/ Cifras referenciales para los años 2004 al 2006, 2009, 2010 y 2012.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA: DISTRIBUCIÓN DE LA PEA OCUPADA POR CATEGORÍA OCUPACIONAL, 2004 - 2018

(Porcentaje)

| Años | Asalariado<br>privado 1/ | Independiente | Empleador | Asalariado<br>público 2/ | Trabajador<br>familiar no<br>remunerado | Trabajador del<br>hogar | Total relativo | PEA ocupada<br>(Miles de<br>personas) |
|------|--------------------------|---------------|-----------|--------------------------|-----------------------------------------|-------------------------|----------------|---------------------------------------|
| 2004 | 45.0                     | 27.6          | 5.1       | 9.0                      | 6.8                                     | 6.5                     | 100.0          | 3831.0                                |
| 2005 | 46.4                     | 28.5          | 5.6       | 8.2                      | 5.1                                     | 6.3                     | 100.0          | 3732.9                                |
| 2006 | 47.3                     | 27.6          | 4.8       | 7.8                      | 5.4                                     | 7.1                     | 100.0          | 4067.4                                |
| 2007 | 46.8                     | 26.8          | 5.8       | 9.0                      | 5.1                                     | 6.4                     | 100.0          | 4286.1                                |
| 2008 | 49.0                     | 27.3          | 5.4       | 8.1                      | 4.3                                     | 6.0                     | 100.0          | 4395.0                                |
| 2009 | 48.6                     | 27.5          | 5.7       | 7.9                      | 4.5                                     | 5.9                     | 100.0          | 4469.3                                |
| 2010 | 47.8                     | 28.6          | 5.9       | 7.5                      | 4.7                                     | 5.6                     | 100.0          | 4614.3                                |
| 2011 | 49.4                     | 27.2          | 5.0       | 9.0                      | 4.9                                     | 4.6                     | 100.0          | 4719.5                                |
| 2012 | 50.7                     | 26.4          | 5.8       | 8.2                      | 4.8                                     | 4.2                     | 100.0          | 4866.3                                |
| 2013 | 52.9                     | 26.0          | 4.6       | 8.2                      | 4.1                                     | 4.2                     | 100.0          | 4846.8                                |
| 2014 | 52.2                     | 26.6          | 4.8       | 8.8                      | 3.8                                     | 3.7                     | 100.0          | 4828.1                                |
| 2015 | 52.7                     | 25.6          | 4.8       | 8.6                      | 4.1                                     | 4.2                     | 100.0          | 4925.3                                |
| 2016 | 51.7                     | 27.1          | 5.0       | 8.6                      | 3.8                                     | 3.8                     | 100.0          | 5047.7                                |
| 2017 | 50.4                     | 28.9          | 4.5       | 8.6                      | 3.8                                     | 3.9                     | 100.0          | 5190.2                                |
| 2018 | 49.5                     | 29.7          | 4.8       | 8.9                      | 3.3                                     | 3.8                     | 100.0          | 5249.8                                |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

1/ Comprende a los empleados y obreros privados.

2/ Comprende a los empleados y obreros públicos.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

# LIMA: DISTRIBUCIÓN DE LA PEA OCUPADA POR RAMA DE ACTIVIDAD ECONÓMICA, 2007 - 2018

(Porcentaje)

| Años | Extractiva 1/ | Industria<br>Manufacturera | Construcción | Comercio | Servicios no<br>personales | Servicios<br>personales | Hogares | Total<br>relativo | PEA ocupada<br>(Miles de<br>personas) |
|------|---------------|----------------------------|--------------|----------|----------------------------|-------------------------|---------|-------------------|---------------------------------------|
| 2007 | 4.7           | 16.4                       | 5.9          | 22.3     | 34.9                       | 9.3                     | 6.4     | 100.0             | 4286.1                                |
| 2008 | 4.3           | 16.2                       | 5.9          | 22.4     | 35.2                       | 9.7                     | 6.1     | 100.0             | 4395.0                                |
| 2009 | 4.4           | 15.1                       | 6.6          | 21.6     | 35.0                       | 11.2                    | 5.9     | 100.0             | 4469.3                                |
| 2010 | 4.2           | 14.1                       | 7.3          | 22.7     | 34.9                       | 11.2                    | 5.6     | 100.0             | 4614.3                                |
| 2011 | 4.2           | 14.1                       | 7.1          | 21.4     | 37.3                       | 11.4                    | 4.6     | 100.0             | 4719.5                                |
| 2012 | 4.2           | 15.6                       | 7.4          | 22.2     | 36.1                       | 10.4                    | 4.2     | 100.0             | 4866.3                                |
| 2013 | 4.2           | 13.9                       | 7.1          | 23.9     | 36.8                       | 9.9                     | 4.2     | 100.0             | 4846.8                                |
| 2014 | 4.0           | 13.6                       | 7.2          | 23.3     | 37.5                       | 10.9                    | 3.7     | 100.0             | 4828.1                                |
| 2015 | 4.6           | 13.8                       | 8.0          | 21.0     | 37.8                       | 10.7                    | 4.2     | 100.0             | 4925.3                                |
| 2016 | 4.3           | 13.6                       | 7.3          | 22.2     | 38.4                       | 10.4                    | 3.9     | 100.0             | 5047.7                                |
| 2017 | 4.2           | 13.2                       | 6.3          | 22.7     | 38.4                       | 11.3                    | 3.9     | 100.0             | 5190.2                                |
| 2018 | 4.0           | 12.0                       | 6.7          | 22.0     | 38.8                       | 12.7                    | 3.8     | 100.0             | 5249.8                                |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Clasificación de ramas de actividad basada en el CIIU Rev. 4.

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

1/ Comprende a las ramas Agricultura, ganadería, silvicultura, pesca y minería. Cifra referencial para el año 2012.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2007 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: DISTRIBUCIÓN DE LA PEA OCUPADA POR RANGO DE EDAD, 2004 - 2018**  
(Porcentaje)

| <b>Años</b> | <b>14 años 1/</b> | <b>15 a 29 años</b> | <b>30 a 44 años</b> | <b>45 a 64 años</b> | <b>65 a más años</b> | <b>Total relativo</b> | <b>PEA ocupada (Miles de personas)</b> |
|-------------|-------------------|---------------------|---------------------|---------------------|----------------------|-----------------------|----------------------------------------|
| 2004        | 0.4               | 35.1                | 38.6                | 23.3                | 2.7                  | 100.0                 | 3831.0                                 |
| 2005        | 0.3               | 33.7                | 39.6                | 23.5                | 2.8                  | 100.0                 | 3732.9                                 |
| 2006        | 0.3               | 35.1                | 37.7                | 24.0                | 2.9                  | 100.0                 | 4067.4                                 |
| 2007        | 0.6               | 33.0                | 38.6                | 24.5                | 3.3                  | 100.0                 | 4286.1                                 |
| 2008        | 0.4               | 33.7                | 37.0                | 25.2                | 3.7                  | 100.0                 | 4395.0                                 |
| 2009        | 0.7               | 33.4                | 36.5                | 25.7                | 3.8                  | 100.0                 | 4469.3                                 |
| 2010        | 0.5               | 31.6                | 37.5                | 26.4                | 3.9                  | 100.0                 | 4614.3                                 |
| 2011        | 0.4               | 31.8                | 37.2                | 27.0                | 3.7                  | 100.0                 | 4719.5                                 |
| 2012        | 0.5               | 31.3                | 36.8                | 27.1                | 4.3                  | 100.0                 | 4866.3                                 |
| 2013        | 0.5               | 30.8                | 37.0                | 27.7                | 4.1                  | 100.0                 | 4846.8                                 |
| 2014        | 0.2               | 29.9                | 37.0                | 28.9                | 4.1                  | 100.0                 | 4828.1                                 |
| 2015        | 0.3               | 29.0                | 37.0                | 29.1                | 4.7                  | 100.0                 | 4925.3                                 |
| 2016        | 0.2               | 28.5                | 37.1                | 29.7                | 4.6                  | 100.0                 | 5047.7                                 |
| 2017        | 0.2               | 28.4                | 36.8                | 29.9                | 4.6                  | 100.0                 | 5190.2                                 |
| 2018        | 0.4               | 27.9                | 37.0                | 29.8                | 5.0                  | 100.0                 | 5249.8                                 |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

1/ Cifras referenciales para todos los años.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: DISTRIBUCIÓN DE LA PEA OCUPADA POR NIVEL EDUCATIVO, 2004 - 2018**  
(Porcentaje)

| Años | Sin nivel 1/ | Primaria 2/ | Secundaria | Superior no universitaria | Superior Universitaria | Total relativo | PEA ocupada (Miles de personas) |
|------|--------------|-------------|------------|---------------------------|------------------------|----------------|---------------------------------|
| 2004 | 1.6          | 14.3        | 49.6       | 15.2                      | 19.3                   | 100.0          | 3831.0                          |
| 2005 | 1.3          | 13.8        | 50.7       | 16.1                      | 17.9                   | 100.0          | 3732.9                          |
| 2006 | 1.1          | 14.2        | 48.4       | 16.4                      | 19.8                   | 100.0          | 4067.4                          |
| 2007 | 1.1          | 12.6        | 47.6       | 16.8                      | 21.8                   | 100.0          | 4286.1                          |
| 2008 | 1.3          | 12.2        | 48.1       | 17.7                      | 20.7                   | 100.0          | 4395.0                          |
| 2009 | 1.4          | 12.1        | 46.7       | 18.5                      | 21.3                   | 100.0          | 4469.3                          |
| 2010 | 1.4          | 12.3        | 47.3       | 19.2                      | 19.9                   | 100.0          | 4614.3                          |
| 2011 | 1.3          | 11.6        | 45.7       | 20.7                      | 20.7                   | 100.0          | 4719.5                          |
| 2012 | 1.0          | 10.8        | 45.8       | 19.6                      | 22.7                   | 100.0          | 4866.3                          |
| 2013 | 0.9          | 10.5        | 47.3       | 18.3                      | 22.9                   | 100.0          | 4846.8                          |
| 2014 | 0.8          | 10.0        | 47.9       | 17.7                      | 23.5                   | 100.0          | 4828.1                          |
| 2015 | 0.8          | 10.1        | 49.0       | 17.0                      | 23.0                   | 100.0          | 4925.3                          |
| 2016 | 0.8          | 10.0        | 46.3       | 18.8                      | 23.9                   | 100.0          | 5047.7                          |
| 2017 | 0.8          | 10.0        | 47.0       | 17.8                      | 24.4                   | 100.0          | 5190.2                          |
| 2018 | 0.7          | 9.5         | 46.3       | 18.2                      | 25.3                   | 100.0          | 5249.8                          |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

El nivel educativo considera la educación completa e incompleta.

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

1/ Cifras referenciales para los años 2005, 2015 y 2017.

2/ Se incluye educación básica especial para el año 2017.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA: DISTRIBUCIÓN DE LA PEA OCUPADA POR RANGO DE HORAS SEMANALES DE TRABAJO, 2004 - 2018

(Porcentaje)

| Años | Hasta 14 horas | 15 a 34 horas | 35 a 47 horas | 48 horas | 49 a 59 horas | 60 a más horas | Total relativo | PEA ocupada (Miles de personas) |
|------|----------------|---------------|---------------|----------|---------------|----------------|----------------|---------------------------------|
| 2004 | 3.8            | 13.0          | 17.0          | 9.1      | 17.0          | 40.2           | 100.0          | 3831.0                          |
| 2005 | 3.6            | 13.0          | 16.8          | 9.0      | 19.0          | 38.7           | 100.0          | 3732.9                          |
| 2006 | 4.0            | 14.9          | 17.7          | 10.7     | 17.3          | 35.5           | 100.0          | 4067.4                          |
| 2007 | 5.3            | 14.5          | 18.7          | 11.8     | 15.8          | 34.0           | 100.0          | 4286.1                          |
| 2008 | 5.9            | 13.8          | 19.9          | 10.3     | 17.1          | 33.0           | 100.0          | 4395.0                          |
| 2009 | 6.3            | 15.2          | 22.7          | 9.3      | 18.1          | 28.4           | 100.0          | 4469.3                          |
| 2010 | 7.4            | 15.4          | 22.8          | 9.2      | 18.5          | 26.7           | 100.0          | 4614.3                          |
| 2011 | 7.1            | 14.4          | 24.4          | 10.1     | 17.1          | 26.9           | 100.0          | 4719.5                          |
| 2012 | 5.8            | 16.0          | 24.8          | 11.4     | 16.6          | 25.3           | 100.0          | 4866.3                          |
| 2013 | 5.7            | 15.1          | 25.2          | 13.9     | 16.0          | 24.2           | 100.0          | 4846.8                          |
| 2014 | 5.3            | 15.2          | 27.0          | 14.3     | 15.6          | 22.6           | 100.0          | 4828.1                          |
| 2015 | 4.7            | 14.0          | 26.5          | 16.5     | 16.3          | 22.0           | 100.0          | 4925.3                          |
| 2016 | 4.9            | 15.8          | 26.5          | 16.5     | 14.4          | 21.8           | 100.0          | 5047.7                          |
| 2017 | 5.7            | 15.5          | 26.4          | 15.0     | 14.6          | 22.8           | 100.0          | 5190.2                          |
| 2018 | 5.4            | 15.9          | 25.4          | 15.2     | 14.8          | 23.2           | 100.0          | 5249.8                          |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Se considera las horas normales de trabajo semanal de las ocupaciones principal y secundaria del trabajador.

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA: DISTRIBUCIÓN DE LA PEA OCUPADA POR RANGO DE INGRESOS, 2004 - 2018

(Porcentaje)

| Años | Sin ingreso | Menos de S/. 500 | De S/. 500 - S/. 999 | De S/. 1000 - S/. 1499 | De S/. 1500 a más | Total relativo | PEA ocupada (Miles de personas) |
|------|-------------|------------------|----------------------|------------------------|-------------------|----------------|---------------------------------|
| 2004 | 7.1         | 30.6             | 39.0                 | 11.6                   | 11.8              | 100.0          | 3831.0                          |
| 2005 | 5.3         | 30.6             | 40.1                 | 12.8                   | 11.3              | 100.0          | 3732.9                          |
| 2006 | 5.4         | 29.3             | 37.7                 | 13.7                   | 13.8              | 100.0          | 4067.4                          |
| 2007 | 5.2         | 28.4             | 34.4                 | 14.8                   | 17.1              | 100.0          | 4286.1                          |
| 2008 | 4.3         | 23.2             | 35.0                 | 18.1                   | 19.3              | 100.0          | 4395.0                          |
| 2009 | 4.5         | 24.3             | 32.0                 | 17.2                   | 22.0              | 100.0          | 4469.3                          |
| 2010 | 4.7         | 22.9             | 32.8                 | 18.3                   | 21.3              | 100.0          | 4614.3                          |
| 2011 | 5.0         | 19.2             | 31.7                 | 19.3                   | 24.8              | 100.0          | 4719.5                          |
| 2012 | 4.9         | 17.1             | 28.3                 | 20.7                   | 29.0              | 100.0          | 4866.3                          |
| 2013 | 4.3         | 16.0             | 26.4                 | 22.4                   | 30.9              | 100.0          | 4846.8                          |
| 2014 | 3.9         | 14.1             | 24.9                 | 22.1                   | 35.1              | 100.0          | 4828.1                          |
| 2015 | 4.2         | 12.0             | 23.5                 | 23.5                   | 36.8              | 100.0          | 4925.3                          |
| 2016 | 3.9         | 11.9             | 21.0                 | 22.7                   | 40.5              | 100.0          | 5047.7                          |
| 2017 | 3.9         | 12.2             | 20.1                 | 23.4                   | 40.5              | 100.0          | 5190.2                          |
| 2018 | 3.4         | 12.2             | 19.7                 | 22.6                   | 42.0              | 100.0          | 5249.8                          |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

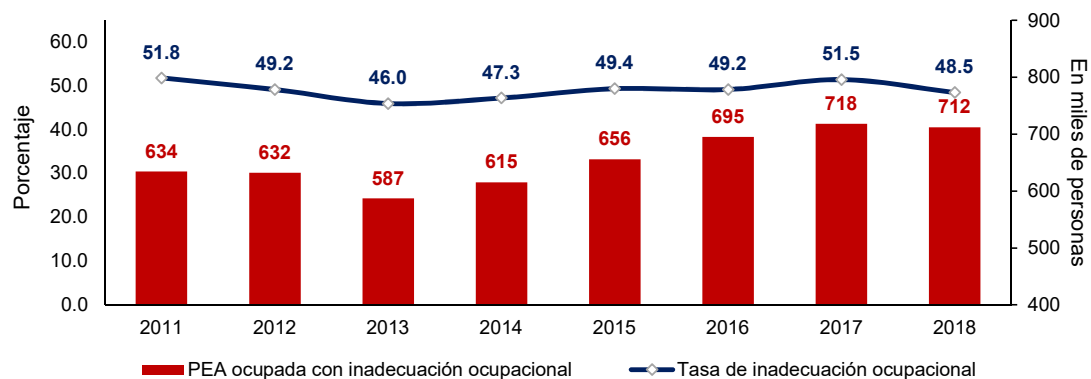
Se considera los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

La suma de las partes puede no coincidir con el total debido al redondeo de las cifras.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: PEA OCUPADA CON EDUCACIÓN SUPERIOR COMPLETA INADECUADAMENTE OCU**  
**TASA DE INADECUACIÓN OCUPACIONAL, 2011 - 2018**  
**(Porcentaje y en miles de personas)**



**Nota:** Considera a la PEA ocupada de 18 años a más con educación superior universitaria y superior no universitaria culminada.

Se excluye a los ocupados de las fuerzas armadas y policiales.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2011 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**PADA Y**

**LIMA: PEA OCUPADA ASALARIADA CON EMPLEO INFORMAL**  
**INFORMALIDAD, 2004 - 2018**  
**(Porcentaje y en miles de personas)**

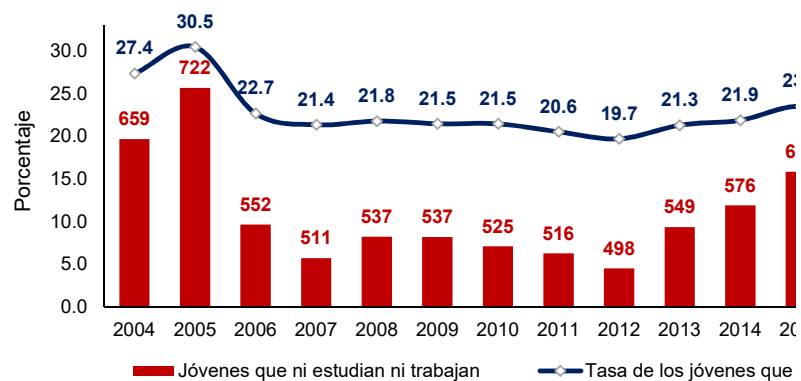


**Notas:** El empleo informal se calcula en base a la Metodología de la OIT. Comprende a aquellos trabajadores productivos que no cuentan con RUC registrado en la SUNAT o aquellos que no cuentan con beneficios sociales.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: POBLACIÓN JUVENIL QUE NI ESTUDIA NI TRABAJA**  
(Porcentaje y en miles de personas)



**Nota:** Se considera la población juvenil de 15 a 29 años.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL MENSUAL PROMEDIO Y  
MEDIANA DE LA PEA OCUPADA, 2004 - 2018  
(Soles)**

| Años | Promedio | Mediana |
|------|----------|---------|
| 2004 | 990      | 653     |
| 2005 | 1,001    | 662     |
| 2006 | 1,055    | 700     |
| 2007 | 1,145    | 716     |
| 2008 | 1,236    | 812     |
| 2009 | 1,298    | 846     |
| 2010 | 1,286    | 845     |
| 2011 | 1,392    | 934     |
| 2012 | 1,517    | 1,038   |
| 2013 | 1,546    | 1,087   |
| 2014 | 1,640    | 1,191   |
| 2015 | 1,753    | 1,228   |
| 2016 | 1,870    | 1,293   |
| 2017 | 1,852    | 1,300   |
| 2018 | 1,857    | 1,313   |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Pob  
Para el cálculo de los ingresos se excluye a la PEA ocupada sin ingresos.

Se considera los ingresos totales por trabajo de la ocupación principal y secundaria del tral

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL PROMEDIO MENSUAL DE LA PEA OCUPADA POR NIVEL  
DE EMPLEO, 2004 - 2018**

**(Soles)**

| Años | Subempleo |              |                 | Empleo adecuado<br>3/ | Total |
|------|-----------|--------------|-----------------|-----------------------|-------|
|      | Total     | Por horas 1/ | Por ingresos 2/ |                       |       |
| 2004 | 450       | 403          | 455             | 1,803                 | 990   |
| 2005 | 484       | 368          | 493             | 1,993                 | 1,001 |
| 2006 | 439       | 474          | 434             | 1,727                 | 1,055 |
| 2007 | 412       | 467          | 402             | 1,795                 | 1,145 |
| 2008 | 438       | 527          | 420             | 1,803                 | 1,236 |
| 2009 | 440       | 632          | 402             | 1,903                 | 1,298 |
| 2010 | 426       | 477          | 416             | 1,888                 | 1,286 |
| 2011 | 445       | 567          | 427             | 1,931                 | 1,392 |
| 2012 | 470       | 808          | 432             | 2,019                 | 1,517 |
| 2013 | 484       | 811          | 457             | 2,028                 | 1,546 |
| 2014 | 521       | 901          | 490             | 2,138                 | 1,640 |
| 2015 | 545       | 886          | 524             | 2,241                 | 1,753 |
| 2016 | 579       | 1,062        | 539             | 2,387                 | 1,870 |
| 2017 | 580       | 992          | 543             | 2,388                 | 1,852 |
| 2018 | 583       | 1,007        | 544             | 2,389                 | 1,857 |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados y a la PEA ocupada sin ingresos. Se consideran los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

1/ Se refiere a la PEA ocupada con menos de 35 horas semanales, que desea trabajar horas adicionales y tiene disponibilidad para hacerlo. Cifras referenciales para los años 2012, 2014 y 2016.

2/ Se refiere a la PEA ocupada que no es subempleada por horas y cuyo ingreso es inferior al Ingreso Mínimo Referencial (canasta mínima de consumo familiar / promedio de perceptores de ingresos laborales por hogar).

3/ Se refiere a la PEA ocupada que no es subempleada por horas ni subempleada por ingresos.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL PROMEDIO MENSUAL DE LA PEA OCUPADA POR ESTRUCTURA DE MERCADO,  
2004 - 2018  
(Soles)**

| Años | Sector público | Sector privado 1/ |                     |                          |                           | Independiente | Trabajador del hogar | Total |
|------|----------------|-------------------|---------------------|--------------------------|---------------------------|---------------|----------------------|-------|
|      |                | Total             | 2 a 10 trabajadores | 11 a 100 trabajadores 2/ | 101 a más trabajadores 3/ |               |                      |       |
| 2004 | 1,388          | 1,155             | 774                 | 1,316                    | 1,842                     | 669           | 552                  | 990   |
| 2005 | 1,386          | 1,150             | 832                 | 1,235                    | 1,786                     | 719           | 560                  | 1,001 |
| 2006 | 1,609          | 1,245             | 822                 | 1,402                    | 1,888                     | 654           | 621                  | 1,055 |
| 2007 | 1,711          | 1,362             | 999                 | 1,451                    | 2,033                     | 656           | 623                  | 1,145 |
| 2008 | 1,839          | 1,424             | 1,121               | 1,388                    | 2,093                     | 822           | 607                  | 1,236 |
| 2009 | 1,911          | 1,093             | 1,042               | 1,671                    | 2,363                     | 735           | 705                  | 1,298 |
| 2010 | 2,035          | 1,456             | 1,094               | 1,598                    | 2,242                     | 772           | 735                  | 1,286 |
| 2011 | 2,048          | 1,577             | 1,144               | 1,669                    | 2,190                     | 908           | 799                  | 1,392 |
| 2012 | 2,055          | 1,757             | 1,327               | 1,757                    | 2,422                     | 933           | 914                  | 1,517 |
| 2013 | 2,114          | 1,265             | 1,330               | 1,753                    | 2,435                     | 985           | 953                  | 1,546 |
| 2014 | 2,390          | 1,862             | 1,411               | 1,838                    | 2,519                     | 1,017         | 934                  | 1,640 |
| 2015 | 2,443          | 1,553             | 1,492               | 2,050                    | 2,594                     | 1,168         | 1,033                | 1,753 |
| 2016 | 2,922          | 2,050             | 1,534               | 2,052                    | 2,803                     | 1,264         | 1,151                | 1,870 |
| 2017 | 2,888          | 2,067             | 1,551               | 1,551                    | 2,892                     | 1,229         | 1,172                | 1,852 |
| 2018 | 3,044          | 2,069             | 1,602               | 2,073                    | 2,864                     | 1,201         | 1,180                | 1,857 |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados y a la PEA ocupada sin ingresos. Se consideran los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

1/ Incluye a los empleadores.

2/ Cifra referencial para el año 2005.

3/ Cifras referenciales para los años 2004 y 2005.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL PROMEDIO MENSUAL DE LA PEA OCUPADA POR GRUPO OCUPACIONAL, 2004 - 2018**  
(Soles)

| Años | Profesional, técnico, gerente, administrador y funcionario | Empleado de oficina | Vendedor | Agricultor, ganadero, pescador, minero y cantero | Artesano y operario | Obrero, jornalero | Conductor | Trabajador de los servicios | Trabajador del hogar | Total |
|------|------------------------------------------------------------|---------------------|----------|--------------------------------------------------|---------------------|-------------------|-----------|-----------------------------|----------------------|-------|
| 2004 | 1,977                                                      | 1,441               | 684      | 440                                              | 678                 | 648               | 879       | 754                         | 552                  | 990   |
| 2005 | 1,939                                                      | 1,245               | 830      | 538                                              | 680                 | 632               | 830       | 776                         | 560                  | 1,001 |
| 2006 | 2,052                                                      | 1,578               | 723      | 560                                              | 755                 | 710               | 876       | 886                         | 621                  | 1,055 |
| 2007 | 2,142                                                      | 1,740               | 806      | 547                                              | 807                 | 833               | 941       | 855                         | 623                  | 1,145 |
| 2008 | 2,368                                                      | 1,562               | 875      | 708                                              | 868                 | 919               | 1,133     | 941                         | 607                  | 1,236 |
| 2009 | 2,473                                                      | 1,818               | 886      | 767                                              | 959                 | 1,035             | 1,052     | 856                         | 705                  | 1,298 |
| 2010 | 2,425                                                      | 1,655               | 926      | 864                                              | 956                 | 984               | 1,226     | 917                         | 735                  | 1,286 |
| 2011 | 2,428                                                      | 1,721               | 1,081    | 874                                              | 1,078               | 1,093             | 1,236     | 1,004                       | 799                  | 1,392 |
| 2012 | 2,562                                                      | 1,890               | 1,074    | 970                                              | 1,101               | 1,260             | 1,409     | 1,213                       | 914                  | 1,517 |
| 2013 | 2,631                                                      | 1,921               | 1,088    | 868                                              | 1,202               | 1,275             | 1,347     | 1,213                       | 953                  | 1,546 |
| 2014 | 2,754                                                      | 2,125               | 1,105    | 861                                              | 1,269               | 1,502             | 1,353     | 1,301                       | 934                  | 1,640 |
| 2015 | 3,125                                                      | 1,982               | 1,261    | 1,064                                            | 1,364               | 1,404             | 1,507     | 1,356                       | 1,033                | 1,753 |
| 2016 | 3,178                                                      | 2,253               | 1,414    | 1,060                                            | 1,408               | 1,573             | 1,614     | 1,424                       | 1,151                | 1,870 |
| 2017 | 3,232                                                      | 2,348               | 1,278    | 1,046                                            | 1,360               | 1,551             | 1,580     | 1,421                       | 1,172                | 1,852 |
| 2018 | 3,200                                                      | 2,197               | 1,326    | 1,124                                            | 1,358               | 1,573             | 1,690     | 1,341                       | 1,180                | 1,857 |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados y a la PEA ocupada sin ingresos. Se consideran los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

Clasificación basada en el "Código de Ocupaciones" (Adaptación de la Clasificación Internacional Uniforme de Ocupaciones. Revisada: CIUO - 88).

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL PROMEDIO MENSUAL DE LA PEA OCUPADA POR CATEGORÍA OCUPACIONAL, 2004 - 2018**  
**(Soles)**

| <b>Años</b> | <b>Asalariado privado 1/</b> | <b>Independiente</b> | <b>Empleador 2/</b> | <b>Asalariado público</b> | <b>Trabajador del hogar</b> | <b>Total</b> |
|-------------|------------------------------|----------------------|---------------------|---------------------------|-----------------------------|--------------|
| 2004        | 1,089                        | 669                  | 1,730               | 1,388                     | 552                         | 990          |
| 2005        | 1,060                        | 719                  | 1,893               | 1,386                     | 560                         | 1,001        |
| 2006        | 1,170                        | 654                  | 1,976               | 1,609                     | 621                         | 1,055        |
| 2007        | 1,233                        | 656                  | 2,396               | 1,711                     | 623                         | 1,145        |
| 2008        | 1,285                        | 822                  | 2,689               | 1,839                     | 607                         | 1,236        |
| 2009        | 1,462                        | 735                  | 2,392               | 1,911                     | 705                         | 1,298        |
| 2010        | 1,416                        | 772                  | 2,306               | 2,035                     | 735                         | 1,286        |
| 2011        | 1,465                        | 908                  | 2,688               | 2,048                     | 799                         | 1,392        |
| 2012        | 1,629                        | 933                  | 2,875               | 2,055                     | 914                         | 1,517        |
| 2013        | 1,683                        | 985                  | 2,670               | 2,114                     | 953                         | 1,546        |
| 2014        | 1,765                        | 1,017                | 2,910               | 2,390                     | 934                         | 1,640        |
| 2015        | 1,861                        | 1,168                | 3,091               | 2,443                     | 1,033                       | 1,753        |
| 2016        | 1,964                        | 1,264                | 2,948               | 2,922                     | 1,151                       | 1,870        |
| 2017        | 1,954                        | 1,229                | 3,337               | 2,888                     | 1,172                       | 1,852        |
| 2018        | 1,951                        | 1,201                | 3,300               | 3,044                     | 1,180                       | 1,857        |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados y a la PEA ocupada sin ingresos. Se consideran los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

1/ Comprende a los empleados y obreros del sector privado.

2/ Cifra referencial para el año 2008.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL PROMEDIO MENSUAL DE LA PEA OCUPADA POR RAMA DE ACTIVIDAD ECONÓMICA, 2007 - 2018**  
(Soles)

| Años | Extractiva 1/ | Industria<br>Manufacturera | Construcción | Comercio | Servicios no<br>personales | Servicios<br>personales | Hogares | Total |
|------|---------------|----------------------------|--------------|----------|----------------------------|-------------------------|---------|-------|
| 2007 | 1,130         | 1,246                      | 1,062        | 965      | 1,443                      | 634                     | 622     | 1,145 |
| 2008 | 1,418         | 1,264                      | 1,397        | 951      | 1,564                      | 800                     | 601     | 1,236 |
| 2009 | 1,411         | 1,355                      | 1,455        | 1,030    | 1,617                      | 842                     | 705     | 1,298 |
| 2010 | 1,263         | 1,321                      | 1,432        | 1,056    | 1,608                      | 808                     | 735     | 1,286 |
| 2011 | 1,667         | 1,376                      | 1,523        | 1,219    | 1,645                      | 906                     | 799     | 1,392 |
| 2012 | 1,577         | 1,406                      | 1,605        | 1,239    | 1,853                      | 1,183                   | 914     | 1,517 |
| 2013 | 1,496         | 1,500                      | 1,950        | 1,363    | 1,790                      | 1,064                   | 953     | 1,546 |
| 2014 | 1,661         | 1,566                      | 1,921        | 1,315    | 2,022                      | 1,072                   | 934     | 1,640 |
| 2015 | 1,795         | 1,728                      | 2,272        | 1,427    | 2,012                      | 1,301                   | 1,033   | 1,753 |
| 2016 | 1,877         | 1,817                      | 2,085        | 1,576    | 2,239                      | 1,223                   | 1,153   | 1,870 |
| 2017 | 1,801         | 1,911                      | 2,013        | 1,469    | 2,260                      | 1,229                   | 1,172   | 1,852 |
| 2018 | 1,534         | 1,824                      | 2,127        | 1,594    | 2,222                      | 1,321                   | 1,180   | 1,857 |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados y a la PEA ocupada sin ingresos. Se consideran los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

Clasificación de ramas de actividad económica basada en el CIIU Rev. 4.

1/ Comprende a las ramas Agricultura, ganadería, silvicultura, pesca y minería. Cifras referenciales para los años 2007 al 2009, 2011 y 2017.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2007 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL PROMEDIO MENSUAL DE LA PEA OCUPADA POR RANGO DE EDAD,  
2004 - 2018  
(Soles)**

| Años | 14 años 1/ | 15 a 29 años | 30 a 44 años | 45 a 64 años | 65 a más años 2/ | Total |
|------|------------|--------------|--------------|--------------|------------------|-------|
| 2004 | 338        | 692          | 1,110        | 1,260        | 657              | 990   |
| 2005 | 307        | 740          | 1,164        | 1,101        | 913              | 1,001 |
| 2006 | 297        | 730          | 1,134        | 1,386        | 1,120            | 1,055 |
| 2007 | 196        | 773          | 1,319        | 1,390        | 885              | 1,145 |
| 2008 | 328        | 925          | 1,395        | 1,458        | 929              | 1,236 |
| 2009 | 339        | 932          | 1,489        | 1,568        | 818              | 1,298 |
| 2010 | 262        | 899          | 1,485        | 1,527        | 815              | 1,286 |
| 2011 | 301        | 1,032        | 1,521        | 1,685        | 981              | 1,392 |
| 2012 | 332        | 1,112        | 1,735        | 1,760        | 1,011            | 1,517 |
| 2013 | 369        | 1,214        | 1,708        | 1,763        | 1,085            | 1,546 |
| 2014 | 311        | 1,279        | 1,818        | 1,839        | 1,219            | 1,640 |
| 2015 | 272        | 1,306        | 1,936        | 2,019        | 1,372            | 1,753 |
| 2016 | 466        | 1,450        | 2,008        | 2,168        | 1,355            | 1,870 |
| 2017 | 433        | 1,403        | 2,016        | 2,127        | 1,451            | 1,852 |
| 2018 | 436        | 1,403        | 2,065        | 2,111        | 1,322            | 1,857 |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados y a la PEA ocupada sin ingresos. Se consideran los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

1/ Cifras referenciales para todos los años a excepción del 2016.

2/ Cifras referenciales para los años 2004, 2005, 2006, 2007, 2008, 2010 y 2011.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL PROMEDIO MENSUAL DE LA PEA OCUPADA POR NIVEL EDUCATIVO,  
2004 - 2018  
(Soles)**

| Años | Sin nivel 1/ | Primaria 2/ | Secundaria | Superior no<br>universitaria | Superior<br>Universitaria | Total |
|------|--------------|-------------|------------|------------------------------|---------------------------|-------|
| 2004 | 384          | 567         | 708        | 985                          | 2,032                     | 990   |
| 2005 | 471          | 569         | 771        | 1,026                        | 1,952                     | 1,001 |
| 2006 | 339          | 632         | 724        | 1,107                        | 2,107                     | 1,055 |
| 2007 | 467          | 594         | 769        | 1,169                        | 2,259                     | 1,145 |
| 2008 | 470          | 672         | 867        | 1,285                        | 2,388                     | 1,236 |
| 2009 | 495          | 705         | 927        | 1,321                        | 2,423                     | 1,298 |
| 2010 | 454          | 777         | 978        | 1,293                        | 2,331                     | 1,286 |
| 2011 | 504          | 811         | 1,028      | 1,387                        | 2,532                     | 1,392 |
| 2012 | 604          | 850         | 1,172      | 1,474                        | 2,574                     | 1,517 |
| 2013 | 768          | 881         | 1,162      | 1,478                        | 2,682                     | 1,546 |
| 2014 | 542          | 932         | 1,214      | 1,590                        | 2,836                     | 1,640 |
| 2015 | 609          | 1,059       | 1,312      | 1,770                        | 2,976                     | 1,753 |
| 2016 | 1,168        | 1,122       | 1,372      | 1,744                        | 3,220                     | 1,870 |
| 2017 | 769          | 1,014       | 1,402      | 1,749                        | 3,124                     | 1,852 |
| 2018 | 760          | 1,059       | 1,414      | 1,734                        | 3,068                     | 1,857 |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados y a la PEA ocupada sin ingresos. Se consideran los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

El nivel educativo considera la educación completa e incompleta.

1/ Cifras referenciales para 2012, 2013 y 2016.

2/ Se incluye educación básica especial para el año 2017.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL PROMEDIO MENSUAL DE LA PEA OCUPADA POR RANGO DE HORAS SEMANALES DE  
TRABAJO, 2004 - 2018  
(Soles)**

| <b>Años</b> | <b>Hasta 14 horas<br/>1/</b> | <b>De 15 a 34 horas<br/>2/</b> | <b>De 35 a 47 horas</b> | <b>48 horas<br/>3/</b> | <b>De 49 a 59 horas</b> | <b>60 a más horas</b> | <b>Total</b> |
|-------------|------------------------------|--------------------------------|-------------------------|------------------------|-------------------------|-----------------------|--------------|
| 2004        | 215                          | 522                            | 1,227                   | 1,214                  | 1,124                   | 996                   | 990          |
| 2005        | 219                          | 609                            | 1,153                   | 880                    | 1,278                   | 1,024                 | 1,001        |
| 2006        | 231                          | 741                            | 1,286                   | 1,030                  | 1,377                   | 1,006                 | 1,055        |
| 2007        | 259                          | 674                            | 1,307                   | 1,094                  | 1,401                   | 1,278                 | 1,145        |
| 2008        | 299                          | 737                            | 1,475                   | 1,217                  | 1,559                   | 1,292                 | 1,236        |
| 2009        | 280                          | 759                            | 1,634                   | 1,331                  | 1,536                   | 1,365                 | 1,298        |
| 2010        | 248                          | 687                            | 1,656                   | 1,483                  | 1,398                   | 1,433                 | 1,286        |
| 2011        | 306                          | 830                            | 1,661                   | 1,363                  | 1,716                   | 1,520                 | 1,392        |
| 2012        | 348                          | 914                            | 1,911                   | 1,423                  | 1,659                   | 1,697                 | 1,517        |
| 2013        | 486                          | 923                            | 1,878                   | 1,576                  | 1,714                   | 1,674                 | 1,546        |
| 2014        | 522                          | 1,022                          | 1,952                   | 1,705                  | 1,883                   | 1,712                 | 1,640        |
| 2015        | 493                          | 1,059                          | 2,107                   | 1,695                  | 2,088                   | 1,800                 | 1,753        |
| 2016        | 595                          | 1,121                          | 2,239                   | 1,784                  | 2,305                   | 2,006                 | 1,870        |
| 2017        | 564                          | 1,220                          | 2,261                   | 1,837                  | 2,153                   | 1,927                 | 1,852        |
| 2018        | 607                          | 1,139                          | 2,300                   | 1,844                  | 2,132                   | 1,963                 | 1,857        |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda del 2007.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados y a la PEA ocupada sin ingresos. Se consideran los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

1/ Cifras referenciales para los años 2006 y 2007.

2/ Cifras referenciales para los años 2005 y 2006.

3/ Cifra referencial para el año 2004.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA: INGRESO LABORAL PROMEDIO MENSUAL DE LOS  
ASALARIADOS POR CONDICIÓN DE INFORMALIDAD,  
2004 - 2018  
(Soles)**

| Años | Total | Empleo informal | Empleo formal |
|------|-------|-----------------|---------------|
| 2004 | 1,138 | 656             | 1,914         |
| 2005 | 1,109 | 705             | 1,875         |
| 2006 | 1,232 | 719             | 2,026         |
| 2007 | 1,310 | 763             | 2,025         |
| 2008 | 1,363 | 831             | 2,054         |
| 2009 | 1,524 | 882             | 2,238         |
| 2010 | 1,499 | 879             | 2,192         |
| 2011 | 1,554 | 940             | 2,156         |
| 2012 | 1,688 | 1,037           | 2,297         |
| 2013 | 1,741 | 1,114           | 2,331         |
| 2014 | 1,855 | 1,139           | 2,444         |
| 2015 | 1,943 | 1,163           | 2,609         |
| 2016 | 2,100 | 1,261           | 2,821         |
| 2017 | 2,088 | 1,301           | 2,792         |
| 2018 | 2,117 | 1,251           | 2,813         |

**Notas:** El empleo informal se calcula en base a la Metodología de la OIT. Comprende a aquellos trabajadores que laboraron en unidades productivas que no cuentan con RUC registrado en la SUNAT o aquellos que no cuentan con beneficios sociales como seguro de salud.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados y a la PEA ocupada sin i  
Se considera los ingresos totales por trabajo de la ocupación principal y secundaria del trabajador.

**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2004 - 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A  
MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| 1997 OCT. | 75.0               | 74.7          | 85.7      | 71.0     | 82.7                      | 68.7         |
| NOV.      | 75.4               | 76.5          | 85.8      | 71.2     | 83.0                      | 69.4         |
| DIC.      | 75.6               | 76.6          | 86.1      | 71.2     | 83.3                      | 69.5         |
| 1998 ENE. | 74.6               | 77.0          | 85.3      | 71.6     | 83.7                      | 67.5         |
| FEB.      | 74.5               | 75.7          | 85.9      | 72.2     | 82.8                      | 66.9         |
| MAR.      | 74.7               | 75.8          | 85.7      | 71.5     | 85.1                      | 67.3         |
| ABR.      | 75.4               | 73.2          | 85.1      | 71.3     | 84.5                      | 69.7         |
| MAY.      | 75.4               | 71.5          | 85.0      | 71.1     | 84.8                      | 70.1         |
| JUN.      | 75.3               | 74.9          | 84.7      | 71.6     | 80.2                      | 70.5         |
| JUL.      | 75.6               | 78.1          | 85.0      | 71.3     | 81.2                      | 70.6         |
| AGO.      | 75.5               | 78.1          | 85.0      | 71.7     | 80.9                      | 70.2         |
| SET.      | 75.4               | 76.3          | 84.9      | 71.3     | 81.7                      | 70.2         |
| OCT.      | 75.2               | 74.9          | 84.2      | 71.6     | 81.6                      | 70.3         |
| NOV.      | 74.2               | 75.4          | 81.6      | 70.9     | 81.4                      | 70.0         |
| DIC.      | 73.9               | 74.8          | 81.7      | 71.1     | 80.1                      | 69.5         |
| 1999 ENE. | 72.0               | 73.0          | 79.7      | 70.1     | 78.4                      | 67.2         |
| FEB.      | 71.1               | 73.3          | 79.8      | 69.0     | 77.1                      | 65.5         |
| MAR.      | 70.6               | 69.4          | 79.3      | 68.2     | 77.3                      | 65.4         |
| ABR.      | 70.5               | 68.5          | 78.8      | 66.8     | 76.5                      | 66.3         |
| MAY.      | 70.4               | 68.8          | 78.2      | 65.9     | 76.0                      | 66.9         |
| JUN.      | 70.3               | 68.2          | 78.0      | 65.5     | 76.4                      | 66.9         |
| JUL.      | 69.9               | 66.1          | 77.2      | 65.0     | 76.2                      | 66.9         |
| AGO.      | 69.6               | 65.9          | 76.9      | 64.7     | 75.2                      | 66.9         |
| SET.      | 69.6               | 65.6          | 77.6      | 64.2     | 75.1                      | 66.6         |
| OCT.      | 69.5               | 64.2          | 77.6      | 64.0     | 75.2                      | 66.5         |
| NOV.      | 69.6               | 66.2          | 77.6      | 63.3     | 75.8                      | 66.7         |
| DIC.      | 69.8               | 67.1          | 78.2      | 63.7     | 76.4                      | 66.3         |
| 2000 ENE. | 68.2               | 60.5          | 76.8      | 63.8     | 76.4                      | 64.0         |
| FEB.      | 67.7               | 62.2          | 76.6      | 64.0     | 77.3                      | 62.5         |
| MAR.      | 67.9               | 59.1          | 76.8      | 63.6     | 78.1                      | 63.1         |
| ABR.      | 68.4               | 62.5          | 76.8      | 63.2     | 77.1                      | 64.4         |
| MAY.      | 68.5               | 58.8          | 76.7      | 62.4     | 76.8                      | 65.4         |
| JUN.      | 69.1               | 65.8          | 76.7      | 62.6     | 78.7                      | 65.8         |
| JUL.      | 68.8               | 66.7          | 76.3      | 61.8     | 77.5                      | 66.1         |
| AGO.      | 68.4               | 60.8          | 76.2      | 61.2     | 76.5                      | 65.9         |
| SET.      | 68.2               | 61.0          | 76.2      | 60.6     | 77.5                      | 65.6         |
| OCT.      | 68.0               | 59.3          | 75.8      | 60.9     | 75.7                      | 65.6         |
| NOV.      | 68.2               | 64.4          | 75.9      | 60.6     | 76.5                      | 65.6         |
| DIC.      | 68.0               | 66.1          | 75.8      | 60.9     | 76.2                      | 65.2         |
| 2001 ENE. | 66.5               | 68.9          | 75.1      | 60.4     | 76.9                      | 62.0         |
| FEB.      | 66.2               | 66.1          | 75.6      | 59.8     | 77.8                      | 61.1         |
| MAR.      | 66.8               | 65.7          | 75.8      | 59.9     | 79.1                      | 62.1         |
| ABR.      | 67.2               | 67.0          | 75.9      | 59.7     | 78.7                      | 63.3         |
| MAY.      | 67.4               | 68.2          | 75.8      | 59.0     | 77.6                      | 64.2         |
| JUN.      | 67.3               | 68.9          | 75.2      | 59.1     | 76.5                      | 64.6         |
| JUL.      | 67.2               | 67.4          | 75.0      | 58.5     | 76.7                      | 64.6         |
| AGO.      | 67.3               | 65.5          | 76.0      | 58.8     | 77.3                      | 64.0         |
| SET.      | 67.4               | 65.3          | 75.6      | 59.2     | 76.8                      | 64.6         |
| OCT.      | 67.8               | 65.1          | 75.4      | 60.3     | 77.3                      | 65.0         |
| NOV.      | 67.9               | 67.3          | 75.8      | 59.9     | 77.1                      | 65.1         |
| DIC.      | 67.7               | 66.5          | 76.1      | 59.6     | 76.4                      | 64.8         |
| 2002 ENE. | 65.5               | 64.8          | 74.6      | 59.5     | 75.6                      | 60.9         |
| FEB.      | 65.3               | 66.2          | 75.1      | 59.2     | 76.7                      | 59.9         |
| MAR.      | 66.0               | 63.6          | 75.9      | 59.8     | 77.3                      | 60.8         |
| ABR.      | 67.2               | 67.8          | 76.0      | 59.8     | 77.5                      | 63.3         |
| MAY.      | 67.6               | 65.2          | 76.0      | 59.4     | 76.5                      | 64.6         |
| JUN.      | 68.0               | 67.8          | 76.4      | 60.2     | 76.5                      | 64.8         |

LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A  
MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| JUL.      | 68.1               | 69.2          | 76.1      | 60.3     | 76.7                      | 65.2         |
| AGO.      | 67.9               | 68.6          | 76.0      | 60.4     | 76.2                      | 64.9         |
| SET.      | 68.0               | 63.2          | 76.0      | 60.5     | 76.6                      | 65.1         |
| OCT.      | 68.4               | 64.0          | 76.5      | 60.8     | 77.3                      | 65.4         |
| NOV.      | 68.8               | 67.9          | 77.4      | 61.0     | 76.9                      | 65.7         |
| DIC.      | 69.1               | 68.8          | 77.2      | 62.7     | 76.7                      | 65.6         |
| 2003 ENE. | 67.2               | 65.4          | 75.8      | 63.6     | 76.9                      | 61.9         |
| FEB.      | 66.9               | 66.0          | 76.4      | 63.5     | 77.1                      | 60.6         |
| MAR.      | 67.3               | 65.3          | 77.2      | 63.5     | 77.1                      | 61.0         |
| ABR.      | 68.6               | 64.0          | 77.2      | 63.8     | 77.2                      | 64.1         |
| MAY.      | 69.2               | 68.6          | 77.0      | 63.8     | 77.4                      | 65.4         |
| JUN.      | 69.4               | 68.0          | 77.3      | 64.1     | 76.7                      | 65.8         |
| JUL.      | 69.3               | 67.8          | 77.2      | 63.4     | 76.7                      | 66.0         |
| AGO.      | 68.6               | 65.8          | 76.5      | 63.3     | 77.5                      | 64.6         |
| SET.      | 69.0               | 65.2          | 76.7      | 63.2     | 78.3                      | 65.5         |
| OCT.      | 69.5               | 64.9          | 77.0      | 63.1     | 78.3                      | 66.4         |
| NOV.      | 69.9               | 69.8          | 77.6      | 62.8     | 78.4                      | 66.8         |
| DIC.      | 70.4               | 69.8          | 78.3      | 63.8     | 78.6                      | 67.1         |
| 2004 ENE. | 68.5               | 69.6          | 77.8      | 64.5     | 77.3                      | 62.8         |
| FEB.      | 68.0               | 69.8          | 78.4      | 62.6     | 78.2                      | 62.0         |
| MAR.      | 68.5               | 68.9          | 79.0      | 62.9     | 78.8                      | 62.6         |
| ABR.      | 70.4               | 69.0          | 79.7      | 63.4     | 77.9                      | 66.4         |
| MAY.      | 70.8               | 72.3          | 79.2      | 63.6     | 77.3                      | 67.5         |
| JUN.      | 70.9               | 74.6          | 79.2      | 63.4     | 77.6                      | 67.9         |
| JUL.      | 70.9               | 75.8          | 79.0      | 62.5     | 77.6                      | 68.3         |
| AGO.      | 70.4               | 72.9          | 78.6      | 61.9     | 78.1                      | 67.7         |
| SET.      | 70.8               | 71.1          | 79.2      | 62.0     | 78.4                      | 68.2         |
| OCT.      | 71.5               | 70.7          | 79.6      | 62.6     | 78.7                      | 69.3         |
| NOV.      | 72.0               | 72.8          | 80.5      | 63.4     | 78.6                      | 69.3         |
| DIC.      | 72.5               | 74.2          | 81.0      | 64.8     | 79.2                      | 69.5         |
| 2005 ENE. | 70.4               | 72.0          | 80.4      | 64.9     | 78.4                      | 65.0         |
| FEB.      | 70.1               | 71.3          | 81.0      | 64.7     | 78.1                      | 64.0         |
| MAR.      | 70.9               | 71.6          | 81.9      | 64.2     | 78.7                      | 65.4         |
| ABR.      | 72.0               | 71.7          | 81.7      | 64.6     | 78.9                      | 68.0         |
| MAY.      | 73.1               | 74.5          | 82.9      | 64.6     | 79.2                      | 69.7         |
| JUN.      | 73.7               | 78.9          | 83.7      | 65.1     | 79.8                      | 70.0         |
| JUL.      | 74.0               | 78.4          | 83.7      | 65.3     | 79.9                      | 70.7         |
| AGO.      | 73.5               | 75.0          | 83.5      | 65.2     | 80.4                      | 69.6         |
| SET.      | 74.0               | 72.5          | 83.5      | 65.3     | 81.0                      | 70.8         |
| OCT.      | 74.5               | 71.6          | 84.0      | 65.9     | 81.1                      | 71.6         |
| NOV.      | 75.3               | 74.4          | 84.3      | 66.7     | 80.9                      | 72.7         |
| DIC.      | 76.1               | 79.1          | 85.2      | 68.1     | 81.5                      | 73.0         |
| 2006 ENE. | 74.3               | 75.9          | 84.4      | 68.8     | 81.8                      | 68.9         |
| FEB.      | 74.2               | 75.4          | 84.9      | 67.9     | 82.1                      | 68.9         |
| MAR.      | 75.0               | 75.7          | 85.9      | 68.4     | 81.5                      | 69.9         |
| ABR.      | 76.7               | 78.1          | 86.3      | 69.1     | 82.2                      | 73.1         |
| MAY.      | 77.4               | 80.2          | 86.2      | 69.2     | 82.6                      | 74.7         |
| JUN.      | 78.3               | 80.9          | 87.8      | 69.7     | 84.2                      | 75.3         |
| JUL.      | 79.4               | 79.7          | 90.0      | 70.3     | 83.9                      | 76.2         |
| AGO.      | 78.9               | 77.7          | 89.7      | 70.2     | 84.4                      | 75.4         |
| SET.      | 79.6               | 77.0          | 90.7      | 70.5     | 84.6                      | 76.0         |
| OCT.      | 81.1               | 75.7          | 93.3      | 71.2     | 85.3                      | 77.7         |
| NOV.      | 82.1               | 79.6          | 94.3      | 71.9     | 86.8                      | 78.5         |
| DIC.      | 82.7               | 82.2          | 94.4      | 73.2     | 87.3                      | 78.9         |
| 2007 ENE. | 80.6               | 77.6          | 93.4      | 73.8     | 87.0                      | 74.4         |
| FEB.      | 80.7               | 74.8          | 94.9      | 73.1     | 86.4                      | 74.1         |
| MAR.      | 82.0               | 76.5          | 95.3      | 73.9     | 88.4                      | 76.3         |

LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A  
MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| ABR.      | 82.9               | 74.5          | 94.7      | 73.7     | 88.2                      | 79.0         |
| MAY.      | 83.6               | 78.4          | 94.7      | 73.5     | 90.3                      | 80.3         |
| JUN.      | 84.7               | 79.9          | 95.7      | 75.5     | 90.1                      | 81.2         |
| JUL.      | 85.4               | 76.5          | 96.3      | 76.2     | 89.5                      | 82.3         |
| AGO.      | 85.8               | 76.9          | 98.0      | 77.0     | 89.5                      | 81.9         |
| SET.      | 87.0               | 76.5          | 99.2      | 77.4     | 89.8                      | 83.6         |
| OCT.      | 88.3               | 76.9          | 100.9     | 78.0     | 91.1                      | 85.1         |
| NOV.      | 89.0               | 76.4          | 102.0     | 79.2     | 92.3                      | 85.3         |
| DIC.      | 90.3               | 80.0          | 103.4     | 80.5     | 92.4                      | 86.6         |
| 2008 ENE. | 87.7               | 78.5          | 100.4     | 84.3     | 92.8                      | 80.6         |
| FEB.      | 88.0               | 78.1          | 101.4     | 85.1     | 93.4                      | 80.2         |
| MAR.      | 89.6               | 78.0          | 102.1     | 86.5     | 94.1                      | 82.8         |
| ABR.      | 90.9               | 78.5          | 101.7     | 84.3     | 94.7                      | 87.0         |
| MAY.      | 92.2               | 83.2          | 101.8     | 85.4     | 95.8                      | 88.9         |
| JUN.      | 92.8               | 82.9          | 101.7     | 86.8     | 95.7                      | 89.9         |
| JUL.      | 93.4               | 84.0          | 100.8     | 87.8     | 96.6                      | 91.2         |
| AGO.      | 92.8               | 80.3          | 99.8      | 87.0     | 97.3                      | 90.8         |
| SET.      | 93.4               | 81.0          | 99.6      | 87.9     | 98.6                      | 91.8         |
| OCT.      | 94.5               | 81.5          | 100.0     | 88.4     | 99.0                      | 93.6         |
| NOV.      | 95.7               | 83.4          | 102.4     | 89.5     | 99.9                      | 94.2         |
| DIC.      | 96.9               | 88.7          | 103.4     | 92.3     | 100.4                     | 94.7         |
| 2009 ENE. | 92.9               | 85.3          | 99.0      | 91.9     | 99.1                      | 88.6         |
| FEB.      | 91.6               | 82.4          | 96.5      | 91.6     | 99.0                      | 87.5         |
| MAR.      | 92.3               | 81.5          | 95.9      | 91.5     | 99.6                      | 89.4         |
| ABR.      | 93.5               | 80.8          | 94.5      | 90.7     | 100.2                     | 93.5         |
| MAY.      | 93.5               | 83.3          | 93.9      | 90.1     | 99.4                      | 94.2         |
| JUN.      | 94.2               | 82.3          | 94.6      | 91.1     | 99.2                      | 95.0         |
| JUL.      | 94.2               | 82.9          | 94.4      | 91.1     | 99.8                      | 95.0         |
| AGO.      | 93.3               | 81.2          | 93.2      | 91.0     | 99.5                      | 93.9         |
| SET.      | 93.7               | 81.8          | 93.7      | 91.3     | 98.9                      | 94.3         |
| OCT.      | 94.7               | 82.0          | 94.6      | 91.8     | 97.2                      | 96.3         |
| NOV.      | 95.3               | 82.6          | 95.6      | 92.6     | 97.0                      | 96.7         |
| DIC.      | 96.7               | 91.8          | 97.0      | 94.0     | 97.6                      | 97.9         |
| 2010 ENE. | 93.3               | 87.3          | 94.7      | 94.9     | 96.7                      | 91.6         |
| FEB.      | 93.3               | 88.2          | 94.5      | 95.5     | 96.8                      | 91.4         |
| MAR.      | 95.0               | 91.9          | 95.7      | 95.7     | 98.0                      | 93.8         |
| ABR.      | 96.4               | 92.5          | 95.7      | 95.2     | 98.1                      | 97.1         |
| MAY.      | 97.3               | 97.2          | 96.3      | 96.1     | 98.9                      | 98.0         |
| JUN.      | 98.4               | 99.8          | 97.8      | 96.9     | 100.5                     | 99.0         |
| JUL.      | 98.7               | 100.1         | 98.2      | 97.5     | 99.5                      | 99.2         |
| AGO.      | 98.0               | 98.8          | 98.3      | 97.8     | 99.1                      | 97.7         |
| SET.      | 98.7               | 98.9          | 98.8      | 98.9     | 100.5                     | 98.1         |
| OCT.      | 100.0              | 100.0         | 100.0     | 100.0    | 100.0                     | 100.0        |
| NOV.      | 100.6              | 98.8          | 100.5     | 100.1    | 100.6                     | 100.9        |
| DIC.      | 101.8              | 100.3         | 103.0     | 101.5    | 101.0                     | 101.4        |
| 2011 ENE. | 98.6               | 99.2          | 101.0     | 102.2    | 100.2                     | 95.5         |
| FEB.      | 98.4               | 99.3          | 101.5     | 101.8    | 100.8                     | 94.9         |
| MAR.      | 100.1              | 100.1         | 102.0     | 102.5    | 101.7                     | 97.8         |
| ABR.      | 102.1              | 100.1         | 103.3     | 101.8    | 100.9                     | 101.9        |
| MAY.      | 102.7              | 99.2          | 104.2     | 102.5    | 100.8                     | 102.5        |
| JUN.      | 103.5              | 100.1         | 104.6     | 103.3    | 101.8                     | 103.4        |
| JUL.      | 103.8              | 100.8         | 105.3     | 103.2    | 101.7                     | 103.8        |
| AGO.      | 103.6              | 102.4         | 104.9     | 104.0    | 102.8                     | 103.0        |
| SET.      | 104.1              | 102.1         | 105.3     | 103.8    | 102.9                     | 103.9        |
| OCT.      | 105.2              | 101.9         | 106.2     | 104.4    | 103.2                     | 105.6        |
| NOV.      | 106.0              | 102.7         | 106.4     | 105.5    | 103.4                     | 106.7        |
| DIC.      | 106.9              | 104.6         | 107.6     | 107.3    | 104.5                     | 107.0        |

LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A  
MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)

| AÑO Y MES |      | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           |      | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| 2012      | ENE. | 102.9              | 103.2         | 105.0     | 105.7    | 103.9                     | 100.5        |
|           | FEB. | 102.4              | 106.0         | 104.1     | 105.3    | 105.6                     | 99.4         |
|           | MAR. | 104.2              | 107.8         | 104.0     | 105.5    | 105.0                     | 103.4        |
|           | ABR. | 105.8              | 107.8         | 103.7     | 105.0    | 105.3                     | 107.3        |
|           | MAY. | 107.1              | 108.4         | 104.1     | 106.3    | 107.1                     | 108.8        |
|           | JUN. | 108.2              | 109.0         | 105.4     | 106.5    | 108.3                     | 110.2        |
|           | JUL. | 108.5              | 108.2         | 105.9     | 106.3    | 108.5                     | 110.8        |
|           | AGO. | 108.2              | 109.7         | 105.8     | 106.4    | 108.0                     | 110.1        |
|           | SET. | 108.8              | 110.4         | 106.5     | 106.8    | 108.2                     | 110.8        |
|           | OCT. | 109.4              | 108.5         | 106.8     | 107.0    | 106.7                     | 112.3        |
|           | NOV. | 110.4              | 109.0         | 107.3     | 108.6    | 107.7                     | 113.2        |
|           | DIC. | 111.5              | 110.3         | 108.6     | 110.8    | 108.4                     | 113.8        |
| 2013      | ENE. | 107.3              | 110.5         | 105.5     | 110.1    | 106.9                     | 107.0        |
|           | FEB. | 106.9              | 109.7         | 106.2     | 110.5    | 106.4                     | 105.8        |
|           | MAR. | 108.5              | 107.6         | 106.0     | 111.1    | 107.7                     | 108.9        |
|           | ABR. | 110.5              | 106.4         | 106.2     | 110.9    | 107.5                     | 113.2        |
|           | MAY. | 111.0              | 106.5         | 106.1     | 111.3    | 108.2                     | 114.1        |
|           | JUN. | 111.9              | 108.1         | 106.8     | 112.9    | 108.6                     | 114.9        |
|           | JUL. | 111.9              | 108.5         | 107.3     | 112.8    | 109.7                     | 114.5        |
|           | AGO. | 111.5              | 107.6         | 106.8     | 112.0    | 109.8                     | 114.2        |
|           | SET. | 111.5              | 106.7         | 107.1     | 112.3    | 111.0                     | 113.8        |
|           | OCT. | 113.2              | 107.5         | 107.8     | 113.9    | 112.3                     | 116.2        |
|           | NOV. | 114.0              | 107.2         | 109.0     | 114.8    | 112.9                     | 116.8        |
|           | DIC. | 114.4              | 108.5         | 109.2     | 117.0    | 112.5                     | 116.6        |
| 2014      | ENE. | 109.7              | 108.0         | 104.8     | 116.2    | 110.9                     | 109.4        |
|           | FEB. | 109.0              | 106.4         | 104.9     | 115.1    | 110.5                     | 108.5        |
|           | MAR. | 110.4              | 105.9         | 105.2     | 115.6    | 111.0                     | 111.0        |
|           | ABR. | 112.6              | 104.4         | 104.9     | 116.3    | 111.3                     | 115.8        |
|           | MAY. | 113.4              | 105.9         | 105.7     | 115.8    | 112.2                     | 117.0        |
|           | JUN. | 114.3              | 106.8         | 106.7     | 116.8    | 112.3                     | 118.1        |
|           | JUL. | 114.0              | 105.8         | 106.2     | 115.8    | 112.7                     | 118.0        |
|           | AGO. | 113.6              | 106.5         | 105.3     | 115.4    | 113.5                     | 117.6        |
|           | SET. | 114.1              | 105.5         | 105.7     | 116.2    | 113.4                     | 118.3        |
|           | OCT. | 114.9              | 105.9         | 106.2     | 115.5    | 113.9                     | 119.9        |
|           | NOV. | 115.7              | 106.1         | 107.6     | 115.5    | 114.3                     | 120.8        |
|           | DIC. | 116.2              | 105.7         | 108.3     | 116.8    | 114.3                     | 121.0        |
| 2015      | ENE. | 111.2              | 103.9         | 104.2     | 116.8    | 112.2                     | 112.7        |
|           | FEB. | 110.5              | 103.1         | 104.6     | 115.2    | 111.8                     | 111.8        |
|           | MAR. | 111.7              | 102.4         | 104.2     | 115.5    | 112.2                     | 114.4        |
|           | ABR. | 113.8              | 101.4         | 104.1     | 115.7    | 112.1                     | 119.2        |
|           | MAY. | 114.3              | 103.9         | 104.2     | 115.4    | 112.3                     | 120.3        |
|           | JUN. | 114.9              | 103.6         | 103.5     | 116.9    | 112.1                     | 121.2        |
|           | JUL. | 114.8              | 103.7         | 103.8     | 116.5    | 112.1                     | 121.0        |
|           | AGO. | 114.5              | 102.8         | 102.7     | 116.6    | 112.0                     | 120.9        |
|           | SET. | 114.8              | 102.0         | 103.4     | 115.6    | 119.3                     | 120.4        |
|           | OCT. | 116.2              | 101.4         | 103.7     | 117.9    | 120.1                     | 122.2        |
|           | NOV. | 116.4              | 99.9          | 104.7     | 118.9    | 120.5                     | 121.8        |
|           | DIC. | 116.3              | 101.1         | 104.7     | 119.8    | 115.6                     | 122.0        |
| 2016      | ENE. | 111.6              | 99.7          | 101.2     | 119.6    | 113.5                     | 114.3        |
|           | FEB. | 110.9              | 99.1          | 101.4     | 118.9    | 112.8                     | 113.0        |
|           | MAR. | 112.5              | 98.1          | 101.2     | 119.4    | 113.1                     | 116.3        |
|           | ABR. | 113.8              | 97.4          | 101.1     | 120.3    | 113.9                     | 118.9        |
|           | MAY. | 114.5              | 97.2          | 100.6     | 120.6    | 113.7                     | 120.6        |
|           | JUN. | 115.2              | 98.1          | 101.1     | 121.2    | 114.1                     | 121.4        |
|           | JUL. | 115.2              | 98.7          | 101.0     | 120.6    | 114.0                     | 121.6        |
|           | AGO. | 115.0              | 97.5          | 100.9     | 119.9    | 113.5                     | 121.7        |
|           | SET. | 115.2              | 96.8          | 101.5     | 119.8    | 113.6                     | 121.9        |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A  
MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019**  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| OCT.      | 115.7              | 97.1          | 101.9     | 120.7    | 113.5                     | 122.5        |
| NOV.      | 116.3              | 97.2          | 102.5     | 121.4    | 113.7                     | 123.1        |
| DIC.      | 116.7              | 99.5          | 102.9     | 123.8    | 112.7                     | 122.8        |
| 2017 ENE. | 112.2              | 98.2          | 99.5      | 123.0    | 110.9                     | 115.6        |
| FEB.      | 111.2              | 97.9          | 99.9      | 120.1    | 110.9                     | 114.4        |
| MAR.      | 112.1              | 97.5          | 99.3      | 120.4    | 111.2                     | 116.6        |
| ABR.      | 113.9              | 97.6          | 98.7      | 120.0    | 110.6                     | 121.0        |
| MAY.      | 114.4              | 96.0          | 99.1      | 120.1    | 110.1                     | 122.0        |
| JUN.      | 114.7              | 95.8          | 99.4      | 119.7    | 109.9                     | 122.8        |
| JUL.      | 114.3              | 95.8          | 99.2      | 119.6    | 109.9                     | 122.0        |
| AGO.      | 114.1              | 95.2          | 98.6      | 119.8    | 111.0                     | 121.8        |
| SET.      | 114.0              | 94.3          | 99.1      | 120.1    | 111.2                     | 121.0        |
| OCT.      | 114.6              | 94.2          | 99.2      | 120.1    | 111.4                     | 122.2        |
| NOV.      | 114.8              | 94.7          | 99.7      | 120.2    | 111.9                     | 122.3        |
| DIC.      | 115.2              | 94.5          | 99.7      | 122.1    | 112.2                     | 122.3        |
| 2018 ENE. | 111.4              | 93.3          | 96.8      | 121.5    | 110.3                     | 116.3        |
| FEB.      | 110.7              | 93.8          | 97.5      | 121.4    | 111.0                     | 114.1        |
| MAR.      | 111.9              | 92.4          | 97.0      | 122.1    | 111.4                     | 117.0        |
| ABR.      | 113.3              | 93.0          | 96.5      | 120.9    | 111.7                     | 120.7        |
| MAY.      | 114.4              | 93.2          | 96.7      | 121.2    | 112.2                     | 122.6        |
| JUN.      | 114.6              | 93.6          | 97.0      | 120.7    | 111.8                     | 123.2        |
| JUL.      | 114.0              | 93.8          | 96.5      | 120.0    | 112.1                     | 122.3        |
| AGO.      | 113.9              | 93.5          | 96.7      | 120.0    | 112.2                     | 121.9        |
| SET.      | 113.9              | 93.2          | 97.1      | 119.6    | 112.5                     | 121.9        |
| OCT.      | 114.7              | 92.8          | 97.1      | 119.9    | 112.2                     | 123.7        |
| NOV.      | 115.5              | 92.9          | 97.9      | 120.6    | 112.4                     | 124.7        |
| DIC.      | 116.0              | 93.5          | 98.3      | 122.1    | 114.4                     | 124.6        |
| 2019 ENE. | 111.7              | 93.3          | 94.9      | 120.9    | 112.7                     | 117.8        |
| FEB.      | 110.9              | 92.5          | 95.5      | 122.0    | 112.1                     | 115.3        |
| MAR.      | 112.5              | 93.3          | 95.6      | 122.7    | 112.6                     | 118.4        |
| ABR.      | 114.0              | 93.7          | 95.1      | 121.4    | 112.4                     | 122.5        |
| MAY.      | 114.6              | 93.8          | 94.8      | 121.7    | 112.5                     | 124.0        |
| JUN.      | 114.9              | 94.2          | 94.7      | 121.5    | 112.7                     | 124.6        |
| JUL.      | 114.4              | 94.0          | 94.6      | 121.4    | 112.9                     | 123.5        |
| AGO. P/   | 114.5              | 93.0          | 95.2      | 121.5    | 112.6                     | 123.6        |

**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao. La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en octubre 1997.

1/ Conformada por las subramas agricultura, pesca y minería.

2/ Conformada por las subramas servicios prestados a empresas, restaurantes y hoteles, establecimientos financieros, enseñanza, servicios sociales y comunales; y electricidad, gas y

P/ Cifras preliminares.

**Fuente:** MTPE – Encuesta Nacional de Variación Mensual del Empleo (ENVME).

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| 1997 OCT. | 113.8              | 65.6          | 113.7     | 134.5    | 168.4                     | 100.9        |
| NOV.      | 114.7              | 68.9          | 113.5     | 134.4    | 171.8                     | 102.4        |
| DIC.      | 115.8              | 68.5          | 116.3     | 135.0    | 171.8                     | 103.1        |
| 1998 ENE. | 114.7              | 70.2          | 117.0     | 133.7    | 171.1                     | 100.3        |
| FEB.      | 115.6              | 69.1          | 116.4     | 134.6    | 170.5                     | 102.8        |
| MAR.      | 115.1              | 69.6          | 116.4     | 132.5    | 172.1                     | 102.2        |
| ABR.      | 115.3              | 66.1          | 115.0     | 130.1    | 172.6                     | 105.3        |
| MAY.      | 114.7              | 63.2          | 114.4     | 129.8    | 173.1                     | 104.8        |
| JUN.      | 113.3              | 69.4          | 113.0     | 129.6    | 151.7                     | 105.7        |
| JUL.      | 115.5              | 74.3          | 119.4     | 128.5    | 156.4                     | 105.3        |
| AGO.      | 114.8              | 74.4          | 119.6     | 128.0    | 154.8                     | 103.9        |
| SET.      | 114.1              | 70.6          | 119.8     | 126.4    | 155.6                     | 103.3        |
| OCT.      | 112.2              | 67.2          | 118.1     | 124.0    | 152.8                     | 101.8        |
| NOV.      | 109.2              | 68.0          | 111.7     | 120.7    | 150.3                     | 100.5        |
| DIC.      | 108.5              | 67.2          | 111.0     | 121.1    | 146.9                     | 99.9         |
| 1999 ENE. | 105.0              | 65.5          | 109.0     | 118.2    | 140.6                     | 95.6         |
| FEB.      | 103.2              | 66.4          | 108.1     | 116.3    | 135.5                     | 93.3         |
| MAR.      | 101.7              | 60.8          | 105.4     | 114.5    | 133.1                     | 93.7         |
| ABR.      | 100.2              | 60.4          | 102.3     | 110.4    | 127.5                     | 95.3         |
| MAY.      | 99.7               | 61.0          | 101.8     | 107.5    | 125.8                     | 96.0         |
| JUN.      | 98.8               | 60.3          | 100.5     | 105.6    | 126.4                     | 95.6         |
| JUL.      | 98.0               | 57.9          | 99.3      | 103.1    | 124.6                     | 96.2         |
| AGO.      | 97.3               | 57.4          | 99.0      | 102.9    | 120.1                     | 95.8         |
| SET.      | 97.1               | 59.7          | 100.4     | 100.4    | 119.1                     | 95.5         |
| OCT.      | 96.1               | 58.4          | 97.8      | 99.4     | 120.1                     | 95.2         |
| NOV.      | 95.9               | 63.2          | 98.1      | 97.6     | 118.9                     | 95.0         |
| DIC.      | 95.9               | 62.4          | 98.9      | 98.2     | 118.7                     | 94.2         |
| 2000 ENE. | 93.1               | 56.8          | 97.0      | 96.2     | 116.4                     | 90.8         |
| FEB.      | 92.4               | 57.0          | 95.0      | 98.0     | 122.8                     | 88.2         |
| MAR.      | 92.6               | 54.7          | 94.7      | 97.0     | 125.8                     | 89.2         |
| ABR.      | 92.4               | 55.9          | 94.7      | 94.5     | 124.2                     | 90.3         |
| MAY.      | 92.4               | 53.0          | 95.3      | 93.8     | 120.1                     | 91.5         |
| JUN.      | 93.4               | 62.1          | 95.8      | 93.9     | 123.9                     | 91.5         |
| JUL.      | 92.9               | 62.3          | 95.0      | 92.5     | 122.8                     | 91.9         |
| AGO.      | 91.9               | 58.1          | 95.2      | 90.8     | 119.7                     | 91.2         |
| SET.      | 91.3               | 59.8          | 95.0      | 89.8     | 115.8                     | 91.0         |
| OCT.      | 90.7               | 58.5          | 93.2      | 90.9     | 114.1                     | 90.4         |
| NOV.      | 90.3               | 62.0          | 92.7      | 89.0     | 113.3                     | 90.6         |
| DIC.      | 89.2               | 63.8          | 91.4      | 86.8     | 112.6                     | 89.7         |
| 2001 ENE. | 87.4               | 61.9          | 91.7      | 84.4     | 113.0                     | 86.4         |
| FEB.      | 87.5               | 59.0          | 92.4      | 84.6     | 113.7                     | 86.2         |
| MAR.      | 87.9               | 60.0          | 92.4      | 85.2     | 116.6                     | 86.5         |
| ABR.      | 88.3               | 60.2          | 92.5      | 85.2     | 114.8                     | 87.7         |
| MAY.      | 88.5               | 63.9          | 92.3      | 83.9     | 117.0                     | 88.3         |
| JUN.      | 87.9               | 64.1          | 91.5      | 83.1     | 113.2                     | 88.5         |
| JUL.      | 87.2               | 64.3          | 91.4      | 81.3     | 114.7                     | 87.6         |
| AGO.      | 87.9               | 63.9          | 94.7      | 81.8     | 115.3                     | 86.7         |
| SET.      | 87.7               | 63.9          | 94.9      | 82.2     | 114.6                     | 86.2         |
| OCT.      | 87.6               | 63.1          | 94.5      | 82.5     | 114.8                     | 85.9         |
| NOV.      | 86.9               | 63.9          | 94.4      | 81.2     | 115.3                     | 84.7         |
| DIC.      | 86.2               | 62.4          | 94.2      | 80.8     | 113.8                     | 83.9         |
| 2002 ENE. | 83.3               | 60.0          | 92.5      | 78.9     | 113.8                     | 79.1         |
| FEB.      | 83.0               | 61.6          | 93.2      | 78.7     | 114.2                     | 77.8         |
| MAR.      | 83.4               | 59.1          | 93.9      | 79.0     | 116.3                     | 78.3         |
| ABR.      | 85.5               | 61.6          | 93.1      | 79.8     | 117.7                     | 82.7         |
| MAY.      | 86.3               | 59.6          | 94.6      | 79.9     | 116.7                     | 84.3         |
| JUN.      | 87.2               | 61.2          | 96.4      | 80.6     | 115.9                     | 84.9         |

LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| JUL.      | 86.8               | 61.7          | 95.0      | 80.5     | 115.9                     | 84.9         |
| AGO.      | 86.6               | 60.4          | 94.2      | 81.5     | 115.3                     | 84.4         |
| SET.      | 86.8               | 59.1          | 94.8      | 81.7     | 117.2                     | 84.3         |
| OCT.      | 86.8               | 58.9          | 94.6      | 81.2     | 118.7                     | 84.5         |
| NOV.      | 87.2               | 59.7          | 95.9      | 80.6     | 117.8                     | 85.1         |
| DIC.      | 87.0               | 60.7          | 95.4      | 80.7     | 117.9                     | 84.8         |
| 2003 ENE. | 84.2               | 60.7          | 92.8      | 80.8     | 119.0                     | 79.2         |
| FEB.      | 84.4               | 60.2          | 94.6      | 80.6     | 119.0                     | 78.7         |
| MAR.      | 84.9               | 60.2          | 95.1      | 81.4     | 118.6                     | 79.1         |
| ABR.      | 86.7               | 59.6          | 94.2      | 82.0     | 119.2                     | 83.6         |
| MAY.      | 87.1               | 59.6          | 94.3      | 82.2     | 119.9                     | 84.2         |
| JUN.      | 87.4               | 59.3          | 95.3      | 82.1     | 119.6                     | 84.7         |
| JUL.      | 86.9               | 59.1          | 94.3      | 80.2     | 118.5                     | 85.3         |
| AGO.      | 86.5               | 58.3          | 94.5      | 80.0     | 119.3                     | 84.5         |
| SET.      | 86.6               | 57.1          | 93.9      | 79.5     | 124.4                     | 84.6         |
| OCT.      | 87.0               | 57.4          | 95.2      | 79.7     | 125.4                     | 84.6         |
| NOV.      | 87.2               | 59.7          | 95.6      | 78.9     | 124.3                     | 85.2         |
| DIC.      | 87.2               | 61.5          | 94.9      | 79.6     | 123.7                     | 85.2         |
| 2004 ENE. | 84.0               | 61.0          | 92.4      | 79.3     | 119.8                     | 79.3         |
| FEB.      | 81.9               | 59.2          | 90.7      | 77.1     | 120.2                     | 76.4         |
| MAR.      | 82.4               | 63.0          | 90.2      | 77.3     | 120.5                     | 77.3         |
| ABR.      | 86.3               | 62.6          | 96.7      | 79.0     | 118.4                     | 82.8         |
| MAY.      | 85.7               | 63.4          | 92.4      | 80.1     | 116.8                     | 83.6         |
| JUN.      | 85.6               | 66.5          | 92.3      | 78.6     | 116.9                     | 84.0         |
| JUL.      | 84.9               | 68.3          | 90.9      | 76.3     | 117.1                     | 84.0         |
| AGO.      | 84.0               | 64.5          | 90.4      | 74.6     | 117.7                     | 83.6         |
| SET.      | 84.4               | 62.6          | 92.1      | 74.7     | 117.4                     | 83.6         |
| OCT.      | 84.1               | 61.4          | 91.3      | 74.7     | 117.6                     | 83.5         |
| NOV.      | 84.1               | 63.0          | 91.2      | 74.7     | 117.1                     | 83.4         |
| DIC.      | 84.0               | 67.5          | 91.2      | 74.6     | 116.9                     | 83.0         |
| 2005 ENE. | 81.2               | 63.0          | 90.7      | 74.0     | 115.6                     | 77.0         |
| FEB.      | 80.8               | 62.5          | 90.1      | 73.8     | 117.2                     | 76.3         |
| MAR.      | 82.1               | 62.6          | 90.9      | 73.4     | 118.1                     | 79.2         |
| ABR.      | 83.6               | 63.0          | 90.2      | 74.0     | 117.9                     | 83.2         |
| MAY.      | 85.4               | 67.1          | 93.6      | 74.1     | 117.7                     | 85.3         |
| JUN.      | 84.9               | 68.2          | 93.4      | 74.2     | 116.1                     | 84.3         |
| JUL.      | 85.3               | 67.3          | 93.7      | 75.4     | 113.6                     | 84.7         |
| AGO.      | 84.8               | 61.2          | 93.5      | 75.0     | 112.8                     | 84.8         |
| SET.      | 84.4               | 61.9          | 92.2      | 74.1     | 114.1                     | 84.6         |
| OCT.      | 84.2               | 60.6          | 91.0      | 74.8     | 113.3                     | 84.9         |
| NOV.      | 85.1               | 60.8          | 91.4      | 76.1     | 113.3                     | 86.0         |
| DIC.      | 85.1               | 66.3          | 92.1      | 76.3     | 114.5                     | 84.7         |
| 2006 ENE. | 83.0               | 61.1          | 93.6      | 75.6     | 114.1                     | 79.8         |
| FEB.      | 82.7               | 61.7          | 94.0      | 74.4     | 115.3                     | 79.2         |
| MAR.      | 83.4               | 62.5          | 94.0      | 75.0     | 111.9                     | 81.1         |
| ABR.      | 85.8               | 64.6          | 94.8      | 76.1     | 110.5                     | 85.8         |
| MAY.      | 85.2               | 67.9          | 93.1      | 75.0     | 110.1                     | 85.8         |
| JUN.      | 85.8               | 66.9          | 94.8      | 74.9     | 109.6                     | 86.8         |
| JUL.      | 87.4               | 65.6          | 100.1     | 75.9     | 107.3                     | 87.4         |
| AGO.      | 86.2               | 66.3          | 97.3      | 74.6     | 106.3                     | 86.9         |
| SET.      | 86.8               | 64.6          | 99.7      | 74.9     | 107.5                     | 86.7         |
| OCT.      | 88.6               | 62.4          | 107.2     | 75.2     | 108.0                     | 86.7         |
| NOV.      | 90.0               | 66.6          | 108.5     | 75.9     | 112.1                     | 87.5         |
| DIC.      | 89.6               | 68.4          | 107.0     | 76.7     | 111.1                     | 87.1         |
| 2007 ENE. | 86.9               | 62.6          | 105.7     | 76.5     | 110.7                     | 80.4         |
| FEB.      | 87.7               | 60.6          | 108.6     | 76.5     | 109.8                     | 81.0         |
| MAR.      | 89.7               | 63.6          | 108.3     | 78.1     | 112.1                     | 85.4         |

LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| ABR.      | 89.2               | 63.3          | 103.8     | 77.3     | 109.5                     | 87.6         |
| MAY.      | 90.3               | 66.5          | 103.0     | 77.0     | 114.1                     | 89.8         |
| JUN.      | 91.4               | 68.2          | 103.0     | 81.4     | 110.9                     | 89.9         |
| JUL.      | 91.7               | 65.4          | 103.3     | 82.0     | 109.1                     | 90.5         |
| AGO.      | 92.9               | 65.6          | 106.2     | 83.4     | 108.6                     | 91.0         |
| SET.      | 93.5               | 65.2          | 107.9     | 83.5     | 110.1                     | 91.6         |
| OCT.      | 94.6               | 65.5          | 111.3     | 83.2     | 111.5                     | 92.4         |
| NOV.      | 94.8               | 64.0          | 113.5     | 83.0     | 113.1                     | 91.8         |
| DIC.      | 95.1               | 66.3          | 113.9     | 83.2     | 111.8                     | 92.3         |
| 2008 ENE. | 91.3               | 67.6          | 108.7     | 89.5     | 111.9                     | 81.4         |
| FEB.      | 92.4               | 67.1          | 110.2     | 92.2     | 112.1                     | 81.7         |
| MAR.      | 94.0               | 66.2          | 109.2     | 92.3     | 111.6                     | 86.2         |
| ABR.      | 93.9               | 66.3          | 105.9     | 87.1     | 111.4                     | 91.1         |
| MAY.      | 95.6               | 67.6          | 105.7     | 89.0     | 113.4                     | 93.4         |
| JUN.      | 96.1               | 66.0          | 106.6     | 90.2     | 112.4                     | 93.9         |
| JUL.      | 97.7               | 66.9          | 105.8     | 91.9     | 112.6                     | 96.9         |
| AGO.      | 97.5               | 67.0          | 105.0     | 91.3     | 113.9                     | 97.1         |
| SET.      | 99.0               | 71.0          | 106.3     | 92.4     | 115.7                     | 98.5         |
| OCT.      | 98.9               | 70.8          | 106.4     | 92.0     | 113.7                     | 99.0         |
| NOV.      | 101.0              | 71.0          | 115.0     | 93.2     | 113.4                     | 98.6         |
| DIC.      | 101.8              | 72.6          | 118.0     | 93.8     | 112.4                     | 98.9         |
| 2009 ENE. | 96.1               | 73.1          | 111.1     | 90.9     | 109.6                     | 90.7         |
| FEB.      | 94.7               | 72.8          | 106.3     | 92.2     | 108.9                     | 89.2         |
| MAR.      | 96.6               | 71.2          | 106.4     | 92.6     | 109.2                     | 93.6         |
| ABR.      | 98.3               | 71.5          | 105.7     | 92.5     | 110.6                     | 97.9         |
| MAY.      | 97.8               | 71.8          | 103.7     | 91.7     | 107.6                     | 99.1         |
| JUN.      | 98.5               | 72.4          | 105.2     | 93.2     | 105.9                     | 99.2         |
| JUL.      | 98.3               | 74.0          | 104.4     | 93.0     | 107.0                     | 99.0         |
| AGO.      | 97.5               | 74.8          | 101.8     | 93.0     | 106.6                     | 98.4         |
| SET.      | 97.1               | 75.4          | 101.2     | 92.8     | 102.5                     | 98.7         |
| OCT.      | 97.7               | 75.3          | 102.1     | 93.7     | 100.5                     | 99.3         |
| NOV.      | 98.4               | 76.1          | 104.2     | 94.5     | 100.7                     | 99.2         |
| DIC.      | 99.6               | 82.7          | 105.7     | 95.7     | 100.7                     | 100.2        |
| 2010 ENE. | 94.6               | 81.1          | 100.1     | 94.6     | 98.7                      | 92.9         |
| FEB.      | 95.4               | 82.4          | 98.1      | 98.6     | 97.9                      | 93.6         |
| MAR.      | 98.0               | 88.7          | 100.3     | 99.1     | 99.2                      | 97.1         |
| ABR.      | 98.3               | 89.8          | 99.2      | 98.5     | 98.9                      | 98.4         |
| MAY.      | 98.9               | 97.2          | 99.4      | 99.0     | 100.6                     | 98.6         |
| JUN.      | 99.7               | 100.1         | 100.4     | 99.0     | 103.4                     | 99.1         |
| JUL.      | 99.9               | 100.3         | 100.6     | 99.9     | 100.8                     | 99.4         |
| AGO.      | 99.3               | 98.5          | 100.8     | 99.1     | 99.6                      | 98.9         |
| SET.      | 99.4               | 98.5          | 99.7      | 99.7     | 101.5                     | 98.8         |
| OCT.      | 100.0              | 100.0         | 100.0     | 100.0    | 100.0                     | 100.0        |
| NOV.      | 99.7               | 97.6          | 98.7      | 98.6     | 99.7                      | 100.6        |
| DIC.      | 100.3              | 99.6          | 102.8     | 98.6     | 99.0                      | 100.5        |
| 2011 ENE. | 96.9               | 99.9          | 102.1     | 97.9     | 97.2                      | 94.2         |
| FEB.      | 96.7               | 98.3          | 100.4     | 98.6     | 98.6                      | 94.0         |
| MAR.      | 99.2               | 99.9          | 101.1     | 99.5     | 98.9                      | 98.4         |
| ABR.      | 100.7              | 100.1         | 104.1     | 98.5     | 96.9                      | 101.2        |
| MAY.      | 101.1              | 98.4          | 105.8     | 99.8     | 96.0                      | 101.1        |
| JUN.      | 101.4              | 99.3          | 105.8     | 100.3    | 96.6                      | 101.4        |
| JUL.      | 101.8              | 99.7          | 108.6     | 100.1    | 96.1                      | 101.4        |
| AGO.      | 102.4              | 102.2         | 108.3     | 102.2    | 95.9                      | 101.6        |
| SET.      | 103.2              | 102.3         | 109.9     | 101.4    | 96.3                      | 102.9        |
| OCT.      | 103.5              | 102.2         | 112.1     | 101.9    | 95.3                      | 103.0        |
| NOV.      | 103.9              | 102.6         | 112.0     | 101.7    | 93.8                      | 104.0        |
| DIC.      | 104.7              | 105.2         | 113.1     | 103.7    | 94.5                      | 104.2        |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)**

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| 2012 ENE. | 100.0              | 103.8         | 112.4     | 101.8    | 93.6                      | 96.1         |
| FEB.      | 99.5               | 105.4         | 108.1     | 101.8    | 94.9                      | 96.0         |
| MAR.      | 103.2              | 108.8         | 107.4     | 101.5    | 94.5                      | 103.6        |
| ABR.      | 104.0              | 109.1         | 106.7     | 100.9    | 93.6                      | 106.0        |
| MAY.      | 105.4              | 109.1         | 107.2     | 102.1    | 97.4                      | 107.3        |
| JUN.      | 106.0              | 109.3         | 107.5     | 102.3    | 99.2                      | 108.1        |
| JUL.      | 106.2              | 108.9         | 107.2     | 101.4    | 98.1                      | 109.2        |
| AGO.      | 106.0              | 109.8         | 106.9     | 101.0    | 97.3                      | 109.2        |
| SET.      | 106.1              | 108.8         | 107.6     | 101.0    | 98.5                      | 109.1        |
| OCT.      | 105.7              | 106.0         | 106.5     | 100.5    | 97.9                      | 109.2        |
| NOV.      | 106.8              | 106.9         | 107.2     | 102.8    | 99.4                      | 109.7        |
| DIC.      | 107.1              | 107.3         | 108.6     | 102.7    | 99.8                      | 109.9        |
| 2013 ENE. | 101.8              | 107.5         | 105.7     | 101.2    | 96.2                      | 101.4        |
| FEB.      | 102.1              | 106.3         | 104.4     | 102.4    | 96.8                      | 101.8        |
| MAR.      | 104.5              | 103.9         | 103.9     | 102.7    | 99.3                      | 106.4        |
| ABR.      | 106.5              | 102.6         | 104.1     | 103.2    | 98.0                      | 110.4        |
| MAY.      | 106.5              | 102.7         | 104.0     | 103.5    | 97.5                      | 110.6        |
| JUN.      | 107.8              | 103.7         | 106.0     | 106.8    | 98.0                      | 111.0        |
| JUL.      | 107.8              | 104.8         | 106.9     | 106.1    | 99.1                      | 110.6        |
| AGO.      | 107.5              | 103.7         | 105.9     | 104.6    | 100.0                     | 110.9        |
| SET.      | 107.8              | 101.9         | 105.9     | 104.1    | 102.3                     | 111.3        |
| OCT.      | 108.6              | 103.0         | 105.8     | 107.0    | 104.1                     | 111.2        |
| NOV.      | 109.2              | 102.7         | 107.4     | 107.2    | 105.2                     | 111.7        |
| DIC.      | 109.0              | 103.3         | 106.6     | 108.3    | 103.8                     | 111.2        |
| 2014 ENE. | 102.6              | 104.2         | 100.0     | 105.9    | 101.6                     | 102.0        |
| FEB.      | 102.6              | 100.8         | 99.2      | 105.6    | 100.8                     | 102.8        |
| MAR.      | 105.0              | 99.9          | 100.8     | 106.2    | 101.9                     | 106.7        |
| ABR.      | 106.8              | 97.1          | 100.8     | 108.2    | 101.4                     | 109.9        |
| MAY.      | 107.8              | 99.7          | 103.0     | 108.1    | 103.6                     | 110.6        |
| JUN.      | 108.8              | 100.7         | 105.4     | 110.0    | 103.9                     | 110.8        |
| JUL.      | 107.5              | 98.9          | 104.5     | 106.2    | 103.6                     | 110.3        |
| AGO.      | 108.1              | 99.9          | 104.0     | 106.6    | 105.2                     | 111.2        |
| SET.      | 108.6              | 98.3          | 103.2     | 107.0    | 105.6                     | 112.3        |
| OCT.      | 107.9              | 98.6          | 102.1     | 105.7    | 106.0                     | 111.8        |
| NOV.      | 108.9              | 98.9          | 105.8     | 105.6    | 106.8                     | 112.3        |
| DIC.      | 108.7              | 99.1          | 107.6     | 105.2    | 106.2                     | 111.5        |
| 2015 ENE. | 102.9              | 98.6          | 102.0     | 104.1    | 102.8                     | 102.8        |
| FEB.      | 103.2              | 97.3          | 101.3     | 102.9    | 102.8                     | 104.2        |
| MAR.      | 104.8              | 96.6          | 100.0     | 103.6    | 103.1                     | 107.7        |
| ABR.      | 107.4              | 96.0          | 100.7     | 103.9    | 103.3                     | 112.8        |
| MAY.      | 107.3              | 98.9          | 101.0     | 102.7    | 104.9                     | 112.4        |
| JUN.      | 107.8              | 98.5          | 100.2     | 106.6    | 102.8                     | 112.6        |
| JUL.      | 108.5              | 98.8          | 101.8     | 106.5    | 102.7                     | 113.3        |
| AGO.      | 108.5              | 98.6          | 100.9     | 106.3    | 102.6                     | 113.9        |
| SET.      | 109.6              | 97.6          | 100.9     | 103.1    | 120.6                     | 113.9        |
| OCT.      | 110.3              | 97.7          | 100.7     | 109.9    | 121.9                     | 112.0        |
| NOV.      | 110.4              | 95.4          | 102.1     | 111.1    | 121.0                     | 111.6        |
| DIC.      | 108.9              | 96.9          | 101.0     | 111.1    | 107.3                     | 111.7        |
| 2016 ENE. | 103.0              | 96.8          | 96.8      | 109.2    | 103.7                     | 102.5        |
| FEB.      | 103.2              | 96.2          | 96.2      | 111.2    | 102.3                     | 102.8        |
| MAR.      | 105.4              | 94.7          | 93.9      | 110.7    | 102.2                     | 108.5        |
| ABR.      | 107.0              | 93.9          | 93.5      | 114.5    | 103.4                     | 110.2        |
| MAY.      | 107.2              | 94.3          | 93.9      | 115.0    | 102.9                     | 110.3        |
| JUN.      | 107.9              | 96.4          | 95.3      | 115.8    | 105.8                     | 110.2        |
| JUL.      | 108.0              | 96.8          | 95.9      | 115.2    | 106.9                     | 110.1        |
| AGO.      | 108.0              | 94.8          | 95.1      | 114.1    | 106.7                     | 110.9        |
| SET.      | 107.9              | 93.0          | 94.7      | 112.2    | 107.0                     | 111.8        |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)**

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| OCT.      | 107.9              | 94.0          | 94.3      | 113.9    | 105.4                     | 111.5        |
| NOV.      | 108.0              | 94.3          | 95.0      | 114.9    | 105.6                     | 110.9        |
| DIC.      | 108.0              | 97.5          | 95.3      | 115.0    | 105.5                     | 110.7        |
| 2017 ENE. | 103.2              | 96.7          | 92.3      | 112.7    | 104.0                     | 103.1        |
| FEB.      | 102.8              | 97.0          | 91.3      | 111.0    | 104.3                     | 103.4        |
| MAR.      | 104.3              | 95.9          | 91.0      | 110.7    | 104.6                     | 106.7        |
| ABR.      | 106.6              | 95.7          | 91.3      | 110.7    | 103.9                     | 111.5        |
| MAY.      | 106.8              | 93.3          | 92.2      | 112.9    | 102.3                     | 111.1        |
| JUN.      | 106.9              | 92.5          | 92.2      | 112.9    | 101.7                     | 111.6        |
| JUL.      | 106.9              | 92.7          | 91.5      | 113.1    | 102.9                     | 111.6        |
| AGO.      | 106.6              | 91.9          | 89.4      | 112.9    | 105.6                     | 111.2        |
| SET.      | 106.0              | 92.3          | 89.4      | 111.3    | 105.0                     | 110.8        |
| OCT.      | 106.2              | 92.1          | 88.9      | 112.1    | 106.2                     | 111.0        |
| NOV.      | 105.5              | 92.0          | 89.0      | 109.8    | 106.1                     | 110.3        |
| DIC.      | 105.6              | 90.8          | 89.4      | 111.4    | 106.1                     | 109.9        |
| 2018 ENE. | 100.9              | 91.7          | 85.9      | 110.3    | 102.5                     | 102.4        |
| FEB.      | 101.6              | 90.4          | 86.1      | 113.9    | 103.9                     | 102.1        |
| MAR.      | 103.9              | 89.0          | 85.7      | 113.9    | 105.2                     | 107.0        |
| ABR.      | 105.0              | 90.1          | 85.4      | 111.8    | 105.3                     | 110.1        |
| MAY.      | 105.2              | 89.2          | 84.7      | 112.0    | 106.7                     | 110.5        |
| JUN.      | 104.4              | 90.2          | 84.2      | 109.9    | 103.9                     | 110.5        |
| JUL.      | 104.2              | 90.6          | 82.4      | 110.1    | 105.4                     | 110.5        |
| AGO.      | 104.0              | 90.5          | 82.5      | 110.3    | 105.1                     | 109.9        |
| SET.      | 104.1              | 89.2          | 82.4      | 109.6    | 106.5                     | 110.2        |
| OCT.      | 104.2              | 88.9          | 81.8      | 109.6    | 106.2                     | 110.7        |
| NOV.      | 104.8              | 88.4          | 82.6      | 109.6    | 106.5                     | 111.8        |
| DIC.      | 105.2              | 88.2          | 82.9      | 109.0    | 107.0                     | 112.7        |
| 2019 ENE. | 100.0              | 88.5          | 79.2      | 108.3    | 103.8                     | 104.0        |
| FEB.      | 100.8              | 88.0          | 79.1      | 114.8    | 103.6                     | 103.0        |
| MAR.      | 103.3              | 89.1          | 80.4      | 114.4    | 104.4                     | 107.7        |
| ABR.      | 104.7              | 90.1          | 79.9      | 112.4    | 103.0                     | 112.2        |
| MAY.      | 104.7              | 89.9          | 79.3      | 112.7    | 103.1                     | 112.3        |
| JUN.      | 104.3              | 89.2          | 77.9      | 111.3    | 103.8                     | 112.4        |
| JUL.      | 104.1              | 88.9          | 77.9      | 112.0    | 104.3                     | 111.7        |
| AGO. P/   | 104.7              | 88.0          | 81.0      | 112.3    | 103.0                     | 111.8        |

**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao. La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en octubre 1997.

1/ Conformada por las subramas agricultura, pesca y minería.

2/ Conformada por las subramas servicios prestados a empresas, restaurantes y hoteles, establecimientos financieros, enseñanza, servicios sociales y comunales; y electricidad.

P/ Cifras preliminares.

**Fuente:** MTPE – Encuesta Nacional de Variación Mensual del Empleo (ENVME).

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019**  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                              |              |
|-----------|--------------------|---------------|-----------|----------|------------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y<br>COMUNIC. | SERVICIOS 2/ |
| 1997 OCT. | 62.7               | 91.4          | 77.7      | 47.5     | 57.2                         | 58.8         |
| NOV.      | 63.0               | 92.1          | 77.9      | 47.8     | 56.9                         | 59.3         |
| DIC.      | 63.0               | 92.8          | 77.6      | 47.7     | 57.2                         | 59.3         |
| 1998 ENE. | 62.1               | 91.6          | 76.6      | 48.4     | 57.8                         | 57.6         |
| FEB.      | 61.8               | 90.0          | 77.4      | 48.8     | 57.0                         | 56.3         |
| MAR.      | 62.1               | 89.8          | 77.2      | 48.6     | 59.1                         | 57.0         |
| ABR.      | 62.9               | 87.9          | 76.8      | 48.9     | 58.4                         | 59.1         |
| MAY.      | 63.0               | 87.8          | 76.7      | 48.7     | 58.6                         | 59.6         |
| JUN.      | 63.2               | 88.2          | 76.7      | 49.3     | 58.3                         | 59.9         |
| JUL.      | 63.1               | 89.8          | 75.8      | 49.2     | 58.4                         | 60.1         |
| AGO.      | 63.1               | 89.6          | 75.6      | 49.8     | 58.5                         | 60.0         |
| SET.      | 63.1               | 90.0          | 75.5      | 49.7     | 59.2                         | 60.0         |
| OCT.      | 63.4               | 90.6          | 75.1      | 50.5     | 59.7                         | 60.5         |
| NOV.      | 62.9               | 90.7          | 73.4      | 50.6     | 60.0                         | 60.5         |
| DIC.      | 62.7               | 90.2          | 73.6      | 50.8     | 59.3                         | 59.9         |
| 1999 ENE. | 61.3               | 88.1          | 71.7      | 50.3     | 58.8                         | 58.2         |
| FEB.      | 60.6               | 87.6          | 72.0      | 49.5     | 58.6                         | 56.8         |
| MAR.      | 60.5               | 86.2          | 72.1      | 49.1     | 59.5                         | 56.5         |
| ABR.      | 60.7               | 84.3          | 72.2      | 48.5     | 60.0                         | 57.2         |
| MAY.      | 60.7               | 84.3          | 71.7      | 48.2     | 59.8                         | 57.8         |
| JUN.      | 60.8               | 83.7          | 71.7      | 48.3     | 60.1                         | 57.8         |
| JUL.      | 60.6               | 81.9          | 71.1      | 48.4     | 60.3                         | 57.7         |
| AGO.      | 60.4               | 81.9          | 70.7      | 48.1     | 60.2                         | 57.8         |
| SET.      | 60.5               | 78.4          | 71.2      | 48.3     | 60.3                         | 57.6         |
| OCT.      | 60.6               | 76.8          | 71.9      | 48.3     | 60.1                         | 57.5         |
| NOV.      | 60.7               | 75.9          | 71.8      | 48.0     | 61.1                         | 57.8         |
| DIC.      | 60.9               | 78.5          | 72.4      | 48.4     | 61.8                         | 57.5         |
| 2000 ENE. | 59.8               | 70.4          | 71.1      | 49.2     | 62.3                         | 55.5         |
| FEB.      | 59.3               | 73.7          | 71.3      | 48.8     | 62.0                         | 54.3         |
| MAR.      | 59.6               | 69.5          | 71.7      | 48.7     | 62.3                         | 54.8         |
| ABR.      | 60.2               | 76.0          | 71.7      | 49.0     | 61.5                         | 56.2         |
| MAY.      | 60.4               | 70.9          | 71.4      | 48.2     | 62.0                         | 57.0         |
| JUN.      | 60.7               | 75.7          | 71.3      | 48.4     | 63.4                         | 57.5         |
| JUL.      | 60.6               | 77.7          | 71.0      | 47.8     | 62.2                         | 57.8         |
| AGO.      | 60.4               | 69.2          | 70.8      | 47.7     | 61.8                         | 57.7         |
| SET.      | 60.2               | 67.4          | 70.8      | 47.3     | 63.7                         | 57.3         |
| OCT.      | 60.1               | 65.1          | 70.7      | 47.2     | 62.1                         | 57.5         |
| NOV.      | 60.5               | 72.4          | 71.1      | 47.5     | 63.1                         | 57.5         |
| DIC.      | 60.6               | 74.1          | 71.3      | 48.7     | 63.0                         | 57.1         |
| 2001 ENE. | 59.2               | 82.8          | 70.3      | 48.9     | 63.7                         | 54.1         |
| FEB.      | 58.7               | 79.8          | 70.7      | 48.0     | 64.5                         | 53.0         |
| MAR.      | 59.3               | 77.6          | 71.0      | 47.9     | 65.4                         | 54.2         |
| ABR.      | 59.8               | 80.2          | 71.1      | 47.7     | 65.4                         | 55.4         |
| MAY.      | 60.0               | 78.7          | 71.0      | 47.2     | 63.6                         | 56.3         |
| JUN.      | 60.1               | 80.1          | 70.5      | 47.7     | 63.1                         | 56.7         |
| JUL.      | 60.1               | 76.4          | 70.3      | 47.6     | 63.0                         | 57.0         |
| AGO.      | 60.0               | 72.5          | 70.6      | 47.9     | 63.5                         | 56.6         |
| SET.      | 60.2               | 72.0          | 70.1      | 48.2     | 63.1                         | 57.4         |
| OCT.      | 60.8               | 72.4          | 70.0      | 49.7     | 63.6                         | 58.1         |
| NOV.      | 61.1               | 76.5          | 70.4      | 49.6     | 63.3                         | 58.5         |
| DIC.      | 61.2               | 76.3          | 70.8      | 49.4     | 62.9                         | 58.5         |
| 2002 ENE. | 59.2               | 75.3          | 69.4      | 50.0     | 61.9                         | 54.9         |
| FEB.      | 59.1               | 76.6          | 69.8      | 49.8     | 63.2                         | 54.0         |
| MAR.      | 59.8               | 73.5          | 70.7      | 50.5     | 63.3                         | 54.9         |
| ABR.      | 60.7               | 79.8          | 71.0      | 50.1     | 63.3                         | 56.8         |
| MAY.      | 60.9               | 76.5          | 70.7      | 49.6     | 62.4                         | 58.1         |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019**  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| JUN.      | 61.1               | 80.2          | 70.6      | 50.3     | 62.5                      | 58.2         |
| JUL.      | 61.5               | 82.8          | 70.7      | 50.6     | 62.8                      | 58.7         |
| AGO.      | 61.3               | 82.7          | 70.7      | 50.3     | 62.3                      | 58.4         |
| SET.      | 61.2               | 72.8          | 70.6      | 50.4     | 62.4                      | 58.7         |
| OCT.      | 61.8               | 74.6          | 71.3      | 50.9     | 62.9                      | 59.1         |
| NOV.      | 62.2               | 81.9          | 72.0      | 51.5     | 62.6                      | 59.3         |
| DIC.      | 62.6               | 82.9          | 71.9      | 53.9     | 62.4                      | 59.3         |
| 2003 ENE. | 61.1               | 76.1          | 70.8      | 55.1     | 62.3                      | 56.1         |
| FEB.      | 60.6               | 78.0          | 71.2      | 55.1     | 62.6                      | 54.6         |
| MAR.      | 61.0               | 76.6          | 71.9      | 54.8     | 62.6                      | 55.0         |
| ABR.      | 62.1               | 74.5          | 72.1      | 54.9     | 62.6                      | 57.6         |
| MAY.      | 62.8               | 83.8          | 71.9      | 54.9     | 62.8                      | 59.1         |
| JUN.      | 63.0               | 82.7          | 72.1      | 55.2     | 62.0                      | 59.5         |
| JUL.      | 63.0               | 82.5          | 72.1      | 55.1     | 62.2                      | 59.6         |
| AGO.      | 62.1               | 79.0          | 71.3      | 55.1     | 62.9                      | 58.0         |
| SET.      | 62.7               | 79.1          | 71.6      | 55.1     | 62.8                      | 59.2         |
| OCT.      | 63.1               | 78.1          | 71.6      | 54.9     | 62.7                      | 60.3         |
| NOV.      | 63.6               | 85.9          | 72.4      | 54.8     | 63.0                      | 60.7         |
| DIC.      | 64.3               | 84.5          | 73.3      | 56.0     | 63.3                      | 61.0         |
| 2004 ENE. | 62.8               | 84.5          | 73.3      | 57.1     | 62.7                      | 57.2         |
| FEB.      | 62.8               | 86.5          | 74.4      | 55.4     | 63.5                      | 56.9         |
| MAR.      | 63.3               | 81.2          | 75.3      | 55.6     | 64.2                      | 57.5         |
| ABR.      | 64.5               | 81.8          | 74.7      | 55.7     | 63.6                      | 60.7         |
| MAY.      | 65.2               | 87.7          | 75.1      | 55.5     | 63.3                      | 61.9         |
| JUN.      | 65.4               | 89.5          | 75.1      | 55.8     | 63.6                      | 62.3         |
| JUL.      | 65.6               | 90.1          | 75.2      | 55.6     | 63.6                      | 62.9         |
| AGO.      | 65.2               | 87.8          | 74.8      | 55.5     | 63.9                      | 62.1         |
| SET.      | 65.6               | 85.8          | 75.1      | 55.6     | 64.4                      | 62.9         |
| OCT.      | 66.6               | 86.0          | 75.8      | 56.3     | 64.7                      | 64.2         |
| NOV.      | 67.2               | 88.8          | 77.0      | 57.6     | 64.7                      | 64.2         |
| DIC.      | 67.9               | 87.8          | 77.6      | 59.6     | 65.5                      | 64.6         |
| 2005 ENE. | 66.0               | 87.2          | 76.9      | 59.9     | 64.9                      | 60.5         |
| FEB.      | 65.7               | 86.4          | 77.8      | 59.7     | 64.1                      | 59.5         |
| MAR.      | 66.4               | 86.8          | 78.7      | 59.2     | 64.6                      | 60.5         |
| ABR.      | 67.3               | 86.6          | 78.6      | 59.5     | 64.9                      | 62.7         |
| MAY.      | 68.3               | 88.9          | 79.3      | 59.5     | 65.2                      | 64.3         |
| JUN.      | 69.2               | 96.2          | 80.3      | 60.2     | 66.3                      | 64.9         |
| JUL.      | 69.5               | 96.1          | 80.2      | 59.9     | 66.9                      | 65.6         |
| AGO.      | 68.9               | 94.3          | 80.0      | 60.0     | 67.7                      | 64.3         |
| SET.      | 69.7               | 89.0          | 80.3      | 60.4     | 68.1                      | 65.8         |
| OCT.      | 70.4               | 88.2          | 81.2      | 61.0     | 68.4                      | 66.7         |
| NOV.      | 71.1               | 93.2          | 81.4      | 61.6     | 68.1                      | 67.8         |
| DIC.      | 72.1               | 98.1          | 82.4      | 63.4     | 68.6                      | 68.5         |
| 2006 ENE. | 70.3               | 95.8          | 81.1      | 64.6     | 69.0                      | 64.7         |
| FEB.      | 70.3               | 94.4          | 81.6      | 63.8     | 69.0                      | 64.8         |
| MAR.      | 71.1               | 94.4          | 82.8      | 64.3     | 69.2                      | 65.6         |
| ABR.      | 72.6               | 97.4          | 83.1      | 64.9     | 70.4                      | 68.3         |
| MAY.      | 73.8               | 98.5          | 83.4      | 65.5     | 71.0                      | 70.3         |
| JUN.      | 74.8               | 100.8         | 85.0      | 66.4     | 73.2                      | 70.8         |
| JUL.      | 75.8               | 99.7          | 86.4      | 66.8     | 73.7                      | 71.8         |
| AGO.      | 75.6               | 95.0          | 86.7      | 67.4     | 74.7                      | 70.9         |
| SET.      | 76.2               | 95.1          | 87.4      | 67.7     | 74.5                      | 71.8         |
| OCT.      | 77.6               | 94.9          | 88.2      | 68.7     | 75.3                      | 73.9         |
| NOV.      | 78.5               | 98.6          | 89.2      | 69.4     | 75.5                      | 74.9         |
| DIC.      | 79.4               | 102.3         | 89.9      | 71.1     | 76.9                      | 75.4         |
| 2007 ENE. | 77.7               | 99.6          | 89.0      | 72.4     | 76.5                      | 71.8         |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019**  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                              |              |
|-----------|--------------------|---------------|-----------|----------|------------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y<br>COMUNIC. | SERVICIOS 2/ |
| FEB.      | 77.4               | 95.6          | 89.9      | 71.1     | 76.1                         | 71.2         |
| MAR.      | 78.3               | 94.3          | 90.5      | 71.1     | 78.1                         | 72.5         |
| ABR.      | 79.7               | 90.4          | 91.1      | 71.3     | 78.8                         | 75.2         |
| MAY.      | 80.4               | 95.1          | 91.4      | 71.1     | 80.0                         | 76.2         |
| JUN.      | 81.5               | 96.5          | 92.7      | 71.6     | 80.9                         | 77.5         |
| JUL.      | 82.3               | 92.3          | 93.5      | 72.4     | 80.8                         | 78.7         |
| AGO.      | 82.5               | 93.0          | 94.8      | 72.9     | 80.9                         | 78.0         |
| SET.      | 83.8               | 92.5          | 95.9      | 73.4     | 80.8                         | 80.1         |
| OCT.      | 85.2               | 93.1          | 97.1      | 74.5     | 82.1                         | 81.8         |
| NOV.      | 86.1               | 93.7          | 98.0      | 76.5     | 83.1                         | 82.3         |
| DIC.      | 87.8               | 99.9          | 99.6      | 78.5     | 83.6                         | 83.9         |
| 2008 ENE. | 85.6               | 94.7          | 97.2      | 80.7     | 84.1                         | 79.8         |
| FEB.      | 85.6               | 94.5          | 98.0      | 80.5     | 84.8                         | 79.0         |
| MAR.      | 87.2               | 95.5          | 99.2      | 82.5     | 86.0                         | 81.0         |
| ABR.      | 89.1               | 96.5          | 99.6      | 82.4     | 87.0                         | 84.8         |
| MAY.      | 90.2               | 105.1         | 99.9      | 83.0     | 87.7                         | 86.5         |
| JUN.      | 90.8               | 106.2         | 99.5      | 84.5     | 87.9                         | 87.7         |
| JUL.      | 91.1               | 107.6         | 98.6      | 85.1     | 89.1                         | 88.3         |
| AGO.      | 90.2               | 99.6          | 97.5      | 84.1     | 89.5                         | 87.7         |
| SET.      | 90.6               | 96.6          | 96.8      | 84.9     | 90.7                         | 88.4         |
| OCT.      | 92.1               | 97.8          | 97.3      | 86.0     | 92.0                         | 90.8         |
| NOV.      | 92.9               | 101.7         | 97.7      | 86.9     | 93.4                         | 91.7         |
| DIC.      | 94.3               | 111.0         | 98.2      | 91.3     | 94.5                         | 92.3         |
| 2009 ENE. | 91.0               | 103.5         | 94.5      | 92.3     | 93.9                         | 87.1         |
| FEB.      | 89.8               | 98.0          | 92.7      | 91.1     | 94.0                         | 86.2         |
| MAR.      | 89.9               | 97.7          | 91.9      | 90.6     | 94.7                         | 87.1         |
| ABR.      | 91.0               | 95.8          | 90.4      | 89.5     | 94.9                         | 91.2         |
| MAY.      | 91.1               | 100.8         | 90.2      | 88.9     | 95.0                         | 91.7         |
| JUN.      | 91.8               | 98.2          | 90.6      | 89.6     | 95.5                         | 92.6         |
| JUL.      | 91.8               | 97.9          | 90.6      | 89.7     | 95.8                         | 92.7         |
| AGO.      | 91.0               | 93.6          | 89.9      | 89.6     | 95.6                         | 91.4         |
| SET.      | 91.6               | 94.2          | 90.7      | 90.2     | 96.5                         | 91.9         |
| OCT.      | 92.9               | 94.7          | 91.6      | 90.4     | 94.9                         | 94.4         |
| NOV.      | 93.4               | 95.1          | 92.2      | 91.2     | 94.6                         | 95.0         |
| DIC.      | 94.9               | 107.5         | 93.6      | 92.8     | 95.3                         | 96.3         |
| 2010 ENE. | 92.6               | 98.1          | 92.6      | 95.3     | 95.4                         | 90.8         |
| FEB.      | 91.9               | 98.2          | 93.1      | 93.1     | 96.0                         | 89.7         |
| MAR.      | 93.0               | 97.1          | 94.0      | 93.1     | 97.1                         | 91.5         |
| ABR.      | 95.2               | 96.8          | 94.3      | 92.7     | 97.6                         | 96.2         |
| MAY.      | 96.2               | 97.3          | 95.1      | 93.9     | 97.8                         | 97.6         |
| JUN.      | 97.6               | 99.4          | 96.8      | 95.4     | 98.4                         | 98.9         |
| JUL.      | 98.0               | 99.9          | 97.4      | 95.8     | 98.6                         | 99.1         |
| AGO.      | 97.2               | 99.2          | 97.4      | 96.8     | 98.8                         | 96.8         |
| SET.      | 98.2               | 99.5          | 98.5      | 98.3     | 99.8                         | 97.7         |
| OCT.      | 100.0              | 100.0         | 100.0     | 100.0    | 100.0                        | 100.0        |
| NOV.      | 101.2              | 100.5         | 101.2     | 101.2    | 101.2                        | 101.1        |
| DIC.      | 102.7              | 101.3         | 103.1     | 103.8    | 102.4                        | 102.0        |
| 2011 ENE. | 99.7               | 98.3          | 100.6     | 105.5    | 102.3                        | 96.4         |
| FEB.      | 99.5               | 100.5         | 101.9     | 104.3    | 102.4                        | 95.5         |
| MAR.      | 100.7              | 100.4         | 102.4     | 104.7    | 103.7                        | 97.4         |
| ABR.      | 103.0              | 100.0         | 103.1     | 104.3    | 103.7                        | 102.4        |
| MAY.      | 103.7              | 100.1         | 103.6     | 104.5    | 104.3                        | 103.5        |
| JUN.      | 104.8              | 101.0         | 104.2     | 105.6    | 105.6                        | 104.8        |
| JUL.      | 105.1              | 102.2         | 104.2     | 105.6    | 105.8                        | 105.4        |
| AGO.      | 104.4              | 102.6         | 103.7     | 105.4    | 107.7                        | 103.9        |
| SET.      | 104.7              | 101.8         | 103.7     | 105.6    | 107.6                        | 104.6        |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019**  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| OCT.      | 106.3              | 101.4         | 104.2     | 106.3    | 108.7                     | 107.4        |
| NOV.      | 107.3              | 102.8         | 104.5     | 108.4    | 110.2                     | 108.4        |
| DIC.      | 108.2              | 103.8         | 105.7     | 109.9    | 111.5                     | 108.8        |
| 2012 ENE. | 104.7              | 102.2         | 102.5     | 108.6    | 111.2                     | 103.4        |
| FEB.      | 104.1              | 106.6         | 102.8     | 107.9    | 113.2                     | 101.7        |
| MAR.      | 104.8              | 106.6         | 102.8     | 108.5    | 112.4                     | 103.2        |
| ABR.      | 106.9              | 106.0         | 102.7     | 108.1    | 113.6                     | 108.0        |
| MAY.      | 108.1              | 107.4         | 103.1     | 109.4    | 113.9                     | 109.8        |
| JUN.      | 109.4              | 108.7         | 104.6     | 109.6    | 114.9                     | 111.5        |
| JUL.      | 109.9              | 107.3         | 105.4     | 109.9    | 115.8                     | 111.8        |
| AGO.      | 109.5              | 109.4         | 105.4     | 110.4    | 115.4                     | 110.7        |
| SET.      | 110.4              | 112.2         | 106.1     | 111.1    | 115.1                     | 112.0        |
| OCT.      | 111.5              | 111.6         | 106.8     | 111.8    | 113.0                     | 114.3        |
| NOV.      | 112.4              | 111.5         | 107.3     | 112.9    | 113.7                     | 115.5        |
| DIC.      | 114.0              | 114.1         | 108.6     | 116.6    | 114.7                     | 116.3        |
| 2013 ENE. | 110.4              | 114.2         | 105.4     | 116.4    | 114.4                     | 110.5        |
| FEB.      | 109.7              | 114.0         | 106.8     | 116.3    | 113.1                     | 108.2        |
| MAR.      | 110.8              | 112.1         | 106.6     | 117.0    | 113.8                     | 110.4        |
| ABR.      | 112.8              | 111.2         | 106.8     | 116.4    | 114.2                     | 115.0        |
| MAY.      | 113.5              | 111.3         | 106.7     | 116.9    | 115.6                     | 116.3        |
| JUN.      | 114.1              | 113.6         | 106.9     | 117.4    | 116.0                     | 117.3        |
| JUL.      | 114.3              | 113.2         | 107.4     | 117.6    | 117.0                     | 117.0        |
| AGO.      | 113.8              | 112.4         | 107.0     | 117.4    | 116.7                     | 116.3        |
| SET.      | 113.6              | 112.7         | 107.4     | 118.1    | 117.1                     | 115.4        |
| OCT.      | 115.9              | 112.9         | 108.4     | 119.0    | 118.2                     | 119.2        |
| NOV.      | 116.7              | 112.7         | 109.4     | 120.2    | 118.5                     | 119.8        |
| DIC.      | 117.4              | 114.9         | 110.0     | 123.1    | 118.6                     | 119.8        |
| 2014 ENE. | 113.6              | 112.5         | 106.3     | 123.4    | 117.5                     | 113.9        |
| FEB.      | 112.6              | 113.4         | 106.7     | 121.7    | 117.3                     | 112.0        |
| MAR.      | 113.4              | 113.5         | 106.6     | 122.2    | 117.4                     | 113.7        |
| ABR.      | 115.9              | 113.6         | 106.2     | 122.1    | 118.2                     | 119.4        |
| MAY.      | 116.5              | 113.7         | 106.5     | 121.3    | 118.3                     | 120.8        |
| JUN.      | 117.4              | 114.5         | 107.0     | 121.8    | 118.3                     | 122.5        |
| JUL.      | 117.6              | 114.5         | 106.6     | 122.6    | 119.2                     | 122.6        |
| AGO.      | 116.6              | 114.8         | 105.6     | 121.6    | 119.5                     | 121.4        |
| SET.      | 117.2              | 114.7         | 106.4     | 122.7    | 119.0                     | 121.9        |
| OCT.      | 118.7              | 115.3         | 107.4     | 122.3    | 119.6                     | 124.7        |
| NOV.      | 119.4              | 115.2         | 108.0     | 122.3    | 119.6                     | 125.8        |
| DIC.      | 120.4              | 114.1         | 108.5     | 124.8    | 120.0                     | 126.6        |
| 2015 ENE. | 115.7              | 110.4         | 104.8     | 125.5    | 118.8                     | 118.5        |
| FEB.      | 114.5              | 110.5         | 105.5     | 123.7    | 118.1                     | 116.3        |
| MAR.      | 115.5              | 109.8         | 105.4     | 123.6    | 118.6                     | 118.5        |
| ABR.      | 117.3              | 108.1         | 105.0     | 123.8    | 118.2                     | 123.0        |
| MAY.      | 118.2              | 110.2         | 105.1     | 124.1    | 117.7                     | 124.9        |
| JUN.      | 118.7              | 109.9         | 104.5     | 124.0    | 118.6                     | 126.3        |
| JUL.      | 118.3              | 109.8         | 104.3     | 123.5    | 118.7                     | 125.6        |
| AGO.      | 117.8              | 107.9         | 103.2     | 123.8    | 118.6                     | 125.1        |
| SET.      | 117.8              | 107.4         | 104.1     | 124.2    | 119.2                     | 124.3        |
| OCT.      | 119.5              | 105.7         | 104.6     | 123.7    | 119.7                     | 128.1        |
| NOV.      | 119.8              | 105.3         | 105.4     | 124.5    | 120.9                     | 127.7        |
| DIC.      | 120.3              | 106.1         | 105.7     | 125.9    | 121.4                     | 127.9        |
| 2016 ENE. | 116.4              | 103.1         | 102.5     | 126.7    | 120.1                     | 121.1        |
| FEB.      | 115.1              | 102.5         | 103.0     | 124.5    | 119.8                     | 118.9        |
| MAR.      | 116.3              | 102.2         | 103.5     | 125.6    | 120.4                     | 120.8        |
| ABR.      | 117.6              | 101.5         | 103.5     | 124.7    | 120.9                     | 123.9        |
| MAY.      | 118.6              | 100.6         | 102.7     | 125.0    | 120.9                     | 126.5        |

LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1997 - AGOSTO 2019  
(Base octubre 2010=100)

| AÑO Y MES | LIMA METROPOLITANA |               |           |          |                           |              |
|-----------|--------------------|---------------|-----------|----------|---------------------------|--------------|
|           | TOTAL              | EXTRACTIVA 1/ | INDUSTRIA | COMERCIO | TRANSP. ALMAC. Y COMUNIC. | SERVICIOS 2/ |
| JUN.      | 119.2              | 100.1         | 102.9     | 125.6    | 119.8                     | 127.9        |
| JUL.      | 119.1              | 100.9         | 102.5     | 124.9    | 119.1                     | 128.1        |
| AGO.      | 118.9              | 100.8         | 102.7     | 124.5    | 118.4                     | 127.9        |
| SET.      | 119.2              | 101.4         | 103.5     | 125.3    | 118.3                     | 127.7        |
| OCT.      | 120.0              | 100.8         | 104.3     | 125.8    | 119.1                     | 128.8        |
| NOV.      | 120.8              | 100.7         | 104.8     | 126.2    | 119.4                     | 130.0        |
| DIC.      | 121.3              | 101.7         | 105.2     | 130.1    | 117.8                     | 129.7        |
| 2017 ENE. | 117.0              | 99.9          | 101.6     | 130.1    | 115.8                     | 122.7        |
| FEB.      | 115.7              | 98.7          | 102.6     | 126.5    | 115.7                     | 120.7        |
| MAR.      | 116.4              | 99.3          | 101.8     | 127.0    | 115.9                     | 122.3        |
| ABR.      | 117.9              | 99.7          | 101.0     | 126.5    | 115.3                     | 126.5        |
| MAY.      | 118.5              | 99.1          | 101.2     | 125.4    | 115.4                     | 128.3        |
| JUN.      | 118.9              | 99.6          | 101.6     | 124.7    | 115.5                     | 129.3        |
| JUL.      | 118.3              | 99.5          | 101.6     | 124.4    | 114.9                     | 128.0        |
| AGO.      | 118.3              | 99.2          | 101.6     | 124.9    | 114.9                     | 127.8        |
| SET.      | 118.3              | 96.7          | 102.1     | 126.2    | 115.7                     | 126.9        |
| OCT.      | 119.1              | 96.5          | 102.5     | 125.9    | 115.2                     | 128.7        |
| NOV.      | 119.8              | 97.8          | 103.1     | 127.3    | 116.1                     | 129.2        |
| DIC.      | 120.3              | 98.9          | 103.0     | 129.3    | 116.6                     | 129.4        |
| 2018 ENE. | 117.0              | 95.0          | 100.3     | 129.0    | 115.7                     | 124.0        |
| FEB.      | 115.5              | 97.7          | 101.2     | 126.9    | 116.0                     | 120.9        |
| MAR.      | 116.3              | 96.3          | 100.6     | 127.9    | 115.8                     | 122.7        |
| ABR.      | 117.8              | 96.4          | 100.0     | 127.2    | 116.3                     | 126.7        |
| MAY.      | 119.3              | 98.0          | 100.6     | 127.6    | 116.2                     | 129.4        |
| JUN.      | 120.0              | 97.6          | 101.2     | 127.9    | 117.3                     | 130.3        |
| JUL.      | 119.1              | 97.5          | 101.1     | 126.8    | 116.9                     | 129.0        |
| AGO.      | 119.1              | 97.1          | 101.3     | 126.6    | 117.2                     | 128.7        |
| SET.      | 119.1              | 97.9          | 101.9     | 126.3    | 116.9                     | 128.5        |
| OCT.      | 120.3              | 97.3          | 102.2     | 126.8    | 116.6                     | 131.0        |
| NOV.      | 121.1              | 98.3          | 102.9     | 127.9    | 116.6                     | 131.9        |
| DIC.      | 121.7              | 100.2         | 103.4     | 130.7    | 119.6                     | 131.3        |
| 2019 ENE. | 117.9              | 99.2          | 100.1     | 129.1    | 118.7                     | 125.5        |
| FEB.      | 116.2              | 98.0          | 100.9     | 127.3    | 117.9                     | 122.2        |
| MAR.      | 117.5              | 98.2          | 100.7     | 128.6    | 118.3                     | 124.5        |
| ABR.      | 118.9              | 97.9          | 100.1     | 127.6    | 118.8                     | 128.4        |
| MAY.      | 119.9              | 98.5          | 99.9      | 127.9    | 118.8                     | 130.5        |
| JUN.      | 120.5              | 100.3         | 100.3     | 128.4    | 118.7                     | 131.5        |
| JUL.      | 119.8              | 100.1         | 100.2     | 127.9    | 118.7                     | 130.2        |
| AGO. P/   | 119.8              | 99.0          | 99.8      | 127.9    | 119.1                     | 130.2        |

Nota: Lima Metropolitana incluye a la Provincia Constitucional del Callao. La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en octubre 1997.

1/ Conformada por las subramas agricultura, pesca y minería.

2/ Conformada por las subramas servicios prestados a empresas, restaurantes y hoteles, establecimientos financieros , enseñanza, servicios sociales y comunales; y electricidad, gas y agua.

P/ Cifras preliminares.

Fuente: MTPE – Encuesta Nacional de Variación Mensual del Empleo (ENVME).

Elaboración: MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS,**  
**ENERO 1994 - AGOSTO 2019**  
**(Base octubre 2010=100)**

| AÑO Y MES | Total | Industria manufacturera |                                           |                                            |                                                               |                                                                    |                                          |                                                              | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |
|-----------|-------|-------------------------|-------------------------------------------|--------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|
|           |       | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confeccion e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |
|           |       |                         |                                           |                                            |                                                               |                                                                    |                                          |                                                              |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |
| 1994 ENE. | 55.9  | 80.0                    | 88.4                                      | 74.0                                       | 83.9                                                          | 60.3                                                               | 79.6                                     | 109.5                                                        | 34.0     | 72.8                  | 18.7                  | 47.5      | 44.0                   | 51.0                         | 71.7    | 39.8                         | 42.2                                           | 76.8                                   | 58.7                           |
| FEB.      | 56.2  | 80.3                    | 89.0                                      | 73.5                                       | 84.1                                                          | 61.0                                                               | 80.7                                     | 110.4                                                        | 34.1     | 73.3                  | 18.7                  | 47.8      | 44.7                   | 52.8                         | 66.5    | 40.7                         | 40.8                                           | 79.3                                   | 58.5                           |
| MAR.      | 56.5  | 80.9                    | 91.2                                      | 73.6                                       | 85.5                                                          | 60.7                                                               | 81.8                                     | 109.9                                                        | 34.1     | 73.4                  | 18.6                  | 48.1      | 46.0                   | 54.1                         | 66.6    | 40.9                         | 40.6                                           | 81.1                                   | 57.9                           |
| ABR.      | 56.1  | 80.1                    | 89.5                                      | 72.5                                       | 86.0                                                          | 60.1                                                               | 82.6                                     | 109.9                                                        | 34.6     | 75.2                  | 18.6                  | 47.5      | 45.2                   | 54.0                         | 67.4    | 41.0                         | 38.7                                           | 81.5                                   | 55.9                           |
| MAY.      | 56.8  | 80.0                    | 89.3                                      | 73.2                                       | 86.5                                                          | 59.4                                                               | 83.4                                     | 107.5                                                        | 34.8     | 75.6                  | 18.6                  | 48.8      | 45.9                   | 54.1                         | 67.5    | 41.6                         | 42.1                                           | 80.6                                   | 47.7                           |
| JUN.      | 57.1  | 80.8                    | 93.1                                      | 73.5                                       | 85.3                                                          | 59.1                                                               | 83.9                                     | 107.8                                                        | 34.8     | 71.6                  | 20.5                  | 48.9      | 45.3                   | 54.1                         | 67.8    | 41.3                         | 42.5                                           | 82.5                                   | 59.8                           |
| JUL.      | 56.7  | 80.7                    | 93.1                                      | 73.4                                       | 87.2                                                          | 58.5                                                               | 84.6                                     | 107.1                                                        | 34.7     | 69.8                  | 21.2                  | 48.2      | 44.5                   | 53.9                         | 59.5    | 40.6                         | 43.1                                           | 80.9                                   | 59.8                           |
| AGO.      | 56.3  | 80.1                    | 91.7                                      | 73.1                                       | 86.6                                                          | 58.2                                                               | 84.2                                     | 106.3                                                        | 34.7     | 69.7                  | 21.3                  | 47.8      | 44.7                   | 53.7                         | 58.5    | 40.1                         | 43.1                                           | 78.4                                   | 59.8                           |
| SET.      | 55.5  | 80.1                    | 92.7                                      | 73.0                                       | 81.9                                                          | 58.0                                                               | 82.4                                     | 107.6                                                        | 34.3     | 70.0                  | 20.4                  | 46.6      | 45.1                   | 53.7                         | 50.9    | 39.3                         | 41.9                                           | 76.2                                   | 58.0                           |
| OCT.      | 55.7  | 80.2                    | 92.0                                      | 73.0                                       | 83.8                                                          | 58.2                                                               | 83.4                                     | 107.5                                                        | 34.2     | 69.9                  | 20.3                  | 47.0      | 46.0                   | 54.3                         | 50.6    | 39.3                         | 42.7                                           | 78.3                                   | 58.6                           |
| NOV.      | 55.6  | 80.2                    | 92.2                                      | 73.2                                       | 85.1                                                          | 58.4                                                               | 82.6                                     | 105.8                                                        | 34.4     | 70.4                  | 20.2                  | 46.7      | 45.4                   | 54.5                         | 39.9    | 39.9                         | 42.9                                           | 78.8                                   | 56.3                           |
| DIC.      | 55.6  | 80.0                    | 91.1                                      | 73.5                                       | 85.4                                                          | 58.3                                                               | 83.0                                     | 105.6                                                        | 35.6     | 72.9                  | 21.0                  | 46.6      | 46.0                   | 54.3                         | 38.1    | 40.0                         | 42.6                                           | 78.2                                   | 59.4                           |
| 1995 ENE. | 54.9  | 78.8                    | 90.1                                      | 70.7                                       | 83.5                                                          | 57.4                                                               | 82.8                                     | 107.8                                                        | 36.5     | 74.2                  | 21.8                  | 45.7      | 46.8                   | 53.5                         | 35.4    | 38.6                         | 41.5                                           | 82.0                                   | 58.9                           |
| FEB.      | 55.0  | 79.4                    | 89.7                                      | 71.6                                       | 83.3                                                          | 58.5                                                               | 84.1                                     | 108.4                                                        | 36.6     | 73.9                  | 22.1                  | 45.3      | 47.1                   | 53.7                         | 35.0    | 40.7                         | 39.7                                           | 81.9                                   | 58.9                           |
| MAR.      | 54.7  | 79.5                    | 88.6                                      | 71.4                                       | 83.4                                                          | 59.2                                                               | 84.1                                     | 109.0                                                        | 37.0     | 74.5                  | 22.4                  | 44.6      | 47.1                   | 53.8                         | 34.5    | 40.7                         | 38.2                                           | 82.1                                   | 58.9                           |
| ABR.      | 54.9  | 79.2                    | 88.3                                      | 71.0                                       | 82.8                                                          | 59.2                                                               | 85.5                                     | 108.6                                                        | 37.6     | 73.6                  | 23.7                  | 45.0      | 47.2                   | 53.4                         | 34.2    | 41.2                         | 39.1                                           | 81.2                                   | 59.3                           |
| MAY.      | 55.6  | 78.7                    | 88.2                                      | 71.6                                       | 82.1                                                          | 58.3                                                               | 84.5                                     | 105.7                                                        | 37.8     | 73.3                  | 24.2                  | 46.8      | 46.6                   | 53.1                         | 34.3    | 42.8                         | 42.9                                           | 80.9                                   | 57.4                           |
| JUN.      | 55.9  | 78.2                    | 87.7                                      | 70.7                                       | 79.1                                                          | 59.0                                                               | 84.0                                     | 105.1                                                        | 38.3     | 73.5                  | 24.9                  | 47.6      | 47.1                   | 52.8                         | 37.1    | 43.5                         | 44.2                                           | 80.9                                   | 57.1                           |
| JUL.      | 56.0  | 77.8                    | 87.8                                      | 70.4                                       | 78.0                                                          | 58.6                                                               | 83.6                                     | 104.2                                                        | 38.5     | 74.6                  | 24.8                  | 47.9      | 46.0                   | 53.1                         | 40.7    | 43.4                         | 44.1                                           | 80.9                                   | 56.9                           |
| AGO.      | 55.8  | 77.4                    | 86.1                                      | 69.7                                       | 77.5                                                          | 59.1                                                               | 83.4                                     | 104.3                                                        | 38.5     | 74.2                  | 24.9                  | 47.9      | 45.2                   | 52.9                         | 44.3    | 43.4                         | 43.9                                           | 79.9                                   | 58.8                           |
| SET.      | 55.9  | 77.6                    | 86.4                                      | 69.6                                       | 77.0                                                          | 59.8                                                               | 82.7                                     | 105.3                                                        | 38.6     | 74.7                  | 24.7                  | 48.0      | 46.4                   | 52.8                         | 49.1    | 42.8                         | 43.2                                           | 80.3                                   | 60.8                           |
| OCT.      | 56.3  | 77.7                    | 89.6                                      | 68.4                                       | 75.4                                                          | 60.1                                                               | 81.1                                     | 106.0                                                        | 38.5     | 75.5                  | 24.3                  | 48.7      | 46.0                   | 52.8                         | 52.9    | 42.8                         | 44.1                                           | 81.6                                   | 61.2                           |
| NOV.      | 56.5  | 77.7                    | 90.6                                      | 67.4                                       | 76.1                                                          | 61.0                                                               | 82.2                                     | 104.2                                                        | 38.9     | 76.4                  | 24.3                  | 49.0      | 46.2                   | 52.8                         | 54.1    | 42.2                         | 44.6                                           | 84.2                                   | 60.3                           |
| DIC.      | 56.3  | 77.2                    | 89.2                                      | 66.9                                       | 76.7                                                          | 61.5                                                               | 80.7                                     | 103.3                                                        | 38.7     | 76.9                  | 23.8                  | 49.0      | 47.6                   | 52.9                         | 54.2    | 41.6                         | 44.7                                           | 84.2                                   | 58.6                           |
| 1996 ENE. | 56.1  | 76.0                    | 86.0                                      | 65.5                                       | 78.9                                                          | 61.2                                                               | 79.4                                     | 102.8                                                        | 41.8     | 78.4                  | 27.6                  | 48.2      | 48.3                   | 53.6                         | 52.5    | 40.9                         | 42.9                                           | 82.5                                   | 59.1                           |
| FEB.      | 55.4  | 74.9                    | 80.6                                      | 66.3                                       | 78.3                                                          | 62.7                                                               | 79.2                                     | 99.7                                                         | 41.8     | 79.4                  | 27.2                  | 47.6      | 48.1                   | 54.3                         | 49.6    | 40.8                         | 41.4                                           | 84.3                                   | 59.2                           |
| MAR.      | 56.0  | 75.7                    | 81.2                                      | 68.0                                       | 78.0                                                          | 63.1                                                               | 80.4                                     | 99.2                                                         | 43.1     | 79.8                  | 28.8                  | 47.8      | 46.9                   | 55.5                         | 49.1    | 41.8                         | 40.7                                           | 84.6                                   | 56.8                           |
| ABR.      | 56.5  | 76.2                    | 82.2                                      | 68.6                                       | 79.8                                                          | 62.6                                                               | 81.8                                     | 99.3                                                         | 43.6     | 80.5                  | 29.3                  | 48.3      | 47.2                   | 56.2                         | 50.9    | 42.4                         | 40.9                                           | 83.6                                   | 56.8                           |
| MAY.      | 57.3  | 76.5                    | 83.4                                      | 68.7                                       | 80.1                                                          | 62.4                                                               | 81.8                                     | 99.3                                                         | 43.9     | 80.2                  | 29.9                  | 49.8      | 46.2                   | 57.3                         | 49.6    | 42.5                         | 44.3                                           | 84.9                                   | 56.5                           |
| JUN.      | 58.2  | 77.1                    | 82.9                                      | 70.5                                       | 78.3                                                          | 63.1                                                               | 83.3                                     | 99.1                                                         | 44.1     | 79.4                  | 30.6                  | 51.1      | 46.1                   | 59.3                         | 56.7    | 42.4                         | 45.1                                           | 86.7                                   | 56.3                           |
| JUL.      | 58.2  | 76.2                    | 80.4                                      | 70.7                                       | 78.0                                                          | 63.1                                                               | 80.6                                     | 98.0                                                         | 44.2     | 78.3                  | 31.3                  | 51.7      | 45.8                   | 60.0                         | 58.7    | 42.9                         | 45.6                                           | 87.3                                   | 55.7                           |
| AGO.      | 58.0  | 75.4                    | 77.9                                      | 70.9                                       | 77.6                                                          | 62.5                                                               | 80.5                                     | 97.3                                                         | 43.7     | 76.7                  | 31.3                  | 51.9      | 46.9                   | 60.0                         | 64.2    | 42.3                         | 45.4                                           | 85.6                                   | 55.0                           |
| SET.      | 57.9  | 75.5                    | 79.4                                      | 69.9                                       | 78.4                                                          | 62.9                                                               | 79.5                                     | 96.7                                                         | 44.5     | 77.1                  | 32.4                  | 51.3      | 46.9                   | 60.8                         | 60.9    | 42.6                         | 44.1                                           | 82.3                                   | 55.2                           |
| OCT.      | 58.8  | 77.7                    | 85.0                                      | 72.0                                       | 79.9                                                          | 63.4                                                               | 79.7                                     | 97.2                                                         | 44.2     | 75.5                  | 32.7                  | 51.8      | 49.0                   | 61.3                         | 61.0    | 42.2                         | 45.3                                           | 81.0                                   | 52.5                           |
| NOV.      | 59.0  | 77.6                    | 84.3                                      | 72.8                                       | 79.4                                                          | 62.4                                                               | 78.8                                     | 98.3                                                         | 44.1     | 74.4                  | 33.2                  | 52.3      | 49.4                   | 61.4                         | 60.8    | 42.7                         | 46.2                                           | 81.8                                   | 52.4                           |
| DIC.      | 59.4  | 77.5                    | 84.0                                      | 73.3                                       | 79.8                                                          | 62.1                                                               | 78.1                                     | 97.5                                                         | 45.2     | 73.6                  | 35.1                  | 52.7      | 49.3                   | 61.9                         | 61.9    | 42.9                         | 46.5                                           | 82.5                                   | 52.8                           |
| 1997 ENE. | 58.8  | 77.6                    | 83.5                                      | 73.8                                       | 84.4                                                          | 61.4                                                               | 78.4                                     | 96.0                                                         | 45.1     | 73.1                  | 35.2                  | 51.7      | 47.9                   | 61.9                         | 60.9    | 42.7                         | 44.5                                           | 80.5                                   | 53.1                           |
| FEB.      | 58.3  | 76.7                    | 79.4                                      | 74.0                                       | 84.5                                                          | 62.0                                                               | 77.8                                     | 95.3                                                         | 45.2     | 72.6                  | 35.5                  | 51.0      | 47.8                   | 62.1                         | 57.8    | 43.1                         | 42.8                                           | 82.6                                   | 53.7                           |
| MAR.      | 58.0  | 77.0                    | 77.6                                      | 74.3                                       | 85.2                                                          | 63.2                                                               | 78.4                                     | 96.7                                                         | 43.5     | 70.9                  | 33.9                  | 51.1      | 47.0                   | 63.2                         | 57.7    | 43.5                         | 41.8                                           | 83.9                                   | 54.4                           |
| ABR.      | 58.8  | 77.1                    | 78.4                                      | 74.7                                       | 85.1                                                          | 62.7                                                               | 79.3                                     | 95.7                                                         | 43.7     | 71.2                  | 34.0                  | 52.3      | 47.8                   | 63.3                         | 58.1    | 43.9                         | 44.6                                           | 85.1                                   | 55.1                           |
| MAY.      | 59.4  | 77.6                    | 78.1                                      | 77.3                                       | 84.5                                                          | 62.2                                                               | 78.6                                     | 95.4                                                         | 43.9     | 70.1                  | 34.6                  | 53.4      | 47.3                   | 63.4                         | 56.7    | 44.1                         | 47.7                                           | 83.6                                   | 54.6                           |
| JUN.      | 59.7  | 77.3                    | 77.1                                      | 77.4                                       | 83.7                                                          | 62.8                                                               | 79.3                                     | 93.1                                                         | 44.7     | 70.5                  | 35.5                  | 53.8      | 46.5                   | 64.5                         | 55.8    | 43.7                         | 48.4                                           | 85.3                                   | 54.4                           |
| JUL.      | 59.8  | 77.1                    | 78.0                                      | 77.3                                       | 83.7                                                          | 62.3                                                               | 78.3                                     | 91.8                                                         | 44.6     | 70.9                  | 35.2                  | 54.2      | 47.6                   | 64.5                         | 58.2    | 44.1                         | 48.6                                           | 84.7                                   | 58.9                           |
| AGO.      | 59.8  | 77.0                    | 77.7                                      | 77.8                                       | 81.6                                                          | 62.5                                                               | 79.6                                     | 90.8                                                         | 44.9     | 70.1                  | 35.9                  | 54.1      | 47.5                   | 65.5                         | 60.1    | 44.7                         | 47.1                                           | 85.2                                   | 58.8                           |
| SET.      | 59.8  | 77.3                    | 79.1                                      | 77.6                                       | 81.7                                                          | 62.2                                                               | 79.8                                     | 91.8                                                         | 45.0     | 70.3                  | 35.9                  | 54.0      | 47.5                   | 66.1                         | 60.7    | 43.8                         | 46.7                                           | 83.6                                   | 58.7                           |
| OCT.      | 60.2  | 77.8                    | 79.7                                      | 77.7                                       | 82.3                                                          | 62.5                                                               | 80.7                                     | 93.0                                                         | 45.4     | 69.5                  | 36.9                  | 54.1      | 47.0                   | 65.4                         | 59.7    | 43.5                         | 48.4                                           | 81.4                                   | 59.2                           |
| NOV.      | 60.9  | 78.4                    | 81.2                                      | 77.8                                       | 82.6                                                          | 63.5                                                               | 82.5                                     | 92.1                                                         | 46.0     | 71.1                  | 37.0                  | 55.0      | 47.4                   | 66.6                         | 62.7    | 43.7                         | 49.4                                           | 81.9                                   | 57.5                           |
| DIC.      | 60.8  | 78.1                    | 79.1                                      | 77.6                                       | 83.9                                                          | 63.3                                                               | 83.0                                     | 92.3                                                         | 46.0     | 70.9                  | 37.1                  | 55.1      | 47.8                   | 66.7                         | 61.6    | 44.3                         | 49.2                                           | 81.9                                   | 59.6                           |
| 1998 ENE. | 59.8  | 76.5                    | 76.7                                      | 75.5                                       | 83.5                                                          | 62.8                                                               | 82.4                                     | 90.8                                                         | 46.8     | 70.6                  | 38.3                  | 53.6      | 47.7                   | 66.6                         | 60.3    | 43.2                         | 46.1                                           | 80.6                                   | 57.3                           |
| FEB.      | 59.6  | 77.3                    | 76.8                                      | 76.0                                       | 86.2                                                          | 64.0                                                               | 82.5                                     | 91.8                                                         | 47.2     | 71.8                  | 38.4                  | 52.5      | 49.0                   | 66.3                         | 59.5    | 43.2                         | 43.0                                           | 83.2                                   | 57.2                           |
| MAR.      | 59.5  | 76.9                    | 76.2                                      | 74.7                                       | 85.1                                                          | 63.6                                                               | 82.8                                     | 93.7                                                         | 46.8     | 73.2                  | 37.2                  | 52.7      | 49.3                   | 66.2                         | 58.9    | 44.0                         | 43.2                                           | 83.8                                   | 62.3                           |
| ABR.      | 60.4  | 76.3                    | 75.9                                      | 73.9                                       | 85.1                                                          | 63.2                                                               | 82.2                                     | 93.1                                                         | 47.1     | 73.5                  | 37.5                  | 54.9      | 49.0                   | 67.9                         | 60.7    | 44.9                         | 47.0                                           | 84.2                                   | 59.7                           |
| MAY.      | 60.7  | 76.3                    | 77.1                                      | 73.5                                       | 84.2                                                          | 63.5                                                               | 80.2                                     | 93.4                                                         | 46.8     | 73.3                  | 37.3                  | 55.6      | 49.5                   | 67.7                         | 62.2    | 44.9                         | 48.8                                           | 83.9                                   | 58.2                           |
| JUN.      | 61.0  |                         |                                           |                                            |                                                               |                                                                    |                                          |                                                              |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS,**  
**ENERO 1994 - AGOSTO 2019**  
**(Base octubre 2010=100)**

| AÑO Y MES | Total | Industria manufacturera |                                           |                                              |                                                               |                                                                    |                                          |                                                              | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |
|-----------|-------|-------------------------|-------------------------------------------|----------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|
|           |       | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confecciones e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |
|           |       |                         |                                           |                                              |                                                               |                                                                    |                                          |                                                              |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |
| 2000      | SET.  | 58.0                    | 71.4                                      | 70.8                                         | 75.1                                                          | 82.0                                                               | 58.6                                     | 67.7                                                         | 46.7     | 69.2                  | 38.8                  | 53.3      | 44.9                   | 58.3                         | 60.7    | 46.9                         | 50.9                                           | 74.8                                   | 43.5                           |
|           | OCT.  | 58.2                    | 72.0                                      | 72.2                                         | 76.0                                                          | 81.7                                                               | 59.0                                     | 67.6                                                         | 46.8     | 68.8                  | 39.0                  | 53.4      | 44.4                   | 57.3                         | 59.7    | 48.5                         | 51.5                                           | 73.3                                   | 44.7                           |
|           | NOV.  | 58.4                    | 71.9                                      | 71.7                                         | 76.1                                                          | 82.1                                                               | 60.0                                     | 64.7                                                         | 46.8     | 68.8                  | 39.1                  | 53.9      | 45.1                   | 56.0                         | 60.2    | 50.6                         | 52.2                                           | 74.8                                   | 43.8                           |
|           | DIC.  | 58.6                    | 72.6                                      | 72.4                                         | 77.4                                                          | 81.9                                                               | 60.2                                     | 65.4                                                         | 47.5     | 68.9                  | 40.0                  | 53.6      | 44.8                   | 55.4                         | 59.7    | 49.6                         | 52.0                                           | 75.9                                   | 43.9                           |
|           | ENE.  | 57.6                    | 71.1                                      | 70.2                                         | 76.4                                                          | 79.4                                                               | 59.1                                     | 63.1                                                         | 48.6     | 68.7                  | 41.7                  | 51.9      | 45.0                   | 54.7                         | 60.9    | 48.9                         | 48.4                                           | 74.9                                   | 44.6                           |
|           | FEB.  | 56.7                    | 71.3                                      | 70.4                                         | 77.1                                                          | 79.1                                                               | 60.4                                     | 62.1                                                         | 48.0     | 68.6                  | 40.8                  | 50.3      | 45.3                   | 54.8                         | 59.6    | 50.2                         | 43.6                                           | 76.0                                   | 43.6                           |
|           | MAR.  | 56.9                    | 71.7                                      | 70.7                                         | 77.6                                                          | 80.2                                                               | 60.9                                     | 61.6                                                         | 47.7     | 69.2                  | 40.3                  | 50.5      | 44.9                   | 54.0                         | 58.5    | 50.2                         | 45.0                                           | 76.1                                   | 43.1                           |
|           | ABR.  | 57.7                    | 71.7                                      | 71.2                                         | 77.1                                                          | 81.3                                                               | 60.6                                     | 61.1                                                         | 48.2     | 69.0                  | 41.0                  | 52.0      | 44.3                   | 53.3                         | 56.9    | 49.3                         | 49.8                                           | 76.3                                   | 44.7                           |
|           | MAY.  | 57.9                    | 71.4                                      | 69.1                                         | 78.3                                                          | 80.4                                                               | 59.7                                     | 61.3                                                         | 47.2     | 67.3                  | 40.3                  | 52.9      | 43.7                   | 52.8                         | 56.8    | 48.1                         | 53.0                                           | 76.5                                   | 46.3                           |
|           | JUN.  | 58.2                    | 71.3                                      | 67.8                                         | 79.3                                                          | 78.5                                                               | 59.8                                     | 60.5                                                         | 47.5     | 67.3                  | 40.6                  | 53.6      | 43.6                   | 52.8                         | 58.2    | 49.2                         | 54.4                                           | 75.6                                   | 46.6                           |
|           | JUL.  | 58.1                    | 71.0                                      | 67.7                                         | 80.5                                                          | 77.2                                                               | 58.7                                     | 60.2                                                         | 46.8     | 66.8                  | 39.9                  | 53.8      | 45.3                   | 52.0                         | 58.1    | 51.0                         | 54.3                                           | 74.7                                   | 47.6                           |
|           | AGO.  | 58.1                    | 71.1                                      | 68.0                                         | 80.4                                                          | 76.8                                                               | 58.3                                     | 60.8                                                         | 46.7     | 68.1                  | 39.3                  | 53.7      | 45.5                   | 52.4                         | 57.1    | 51.0                         | 54.0                                           | 74.7                                   | 48.9                           |
| 2001      | SET.  | 58.1                    | 71.5                                      | 68.0                                         | 81.2                                                          | 76.0                                                               | 58.6                                     | 62.0                                                         | 46.3     | 67.9                  | 38.7                  | 53.6      | 45.5                   | 52.7                         | 56.4    | 50.4                         | 54.1                                           | 72.6                                   | 48.3                           |
|           | OCT.  | 58.2                    | 71.5                                      | 66.8                                         | 81.2                                                          | 76.9                                                               | 59.5                                     | 60.8                                                         | 46.2     | 67.1                  | 38.9                  | 53.8      | 45.6                   | 52.2                         | 55.3    | 50.3                         | 55.3                                           | 72.3                                   | 48.3                           |
|           | NOV.  | 58.4                    | 71.8                                      | 68.6                                         | 81.9                                                          | 76.8                                                               | 59.0                                     | 60.4                                                         | 46.6     | 66.7                  | 39.6                  | 53.9      | 45.5                   | 52.1                         | 53.2    | 50.5                         | 55.8                                           | 71.6                                   | 47.8                           |
|           | DIC.  | 58.5                    | 72.0                                      | 68.3                                         | 82.9                                                          | 76.3                                                               | 58.7                                     | 60.9                                                         | 48.0     | 66.6                  | 41.4                  | 53.5      | 45.2                   | 51.4                         | 53.6    | 50.0                         | 55.5                                           | 72.3                                   | 47.6                           |
|           | ENE.  | 56.9                    | 71.4                                      | 67.7                                         | 82.1                                                          | 77.0                                                               | 58.1                                     | 60.2                                                         | 48.2     | 66.1                  | 42.0                  | 50.5      | 44.6                   | 50.3                         | 52.8    | 49.7                         | 48.5                                           | 72.9                                   | 47.8                           |
|           | FEB.  | 56.4                    | 71.8                                      | 67.2                                         | 82.9                                                          | 77.6                                                               | 59.0                                     | 60.3                                                         | 47.4     | 66.0                  | 40.9                  | 49.4      | 44.9                   | 50.3                         | 52.7    | 49.0                         | 46.0                                           | 72.5                                   | 47.2                           |
|           | MAR.  | 57.1                    | 72.1                                      | 68.0                                         | 83.8                                                          | 77.1                                                               | 58.7                                     | 60.0                                                         | 47.4     | 66.0                  | 40.8                  | 50.7      | 45.6                   | 49.7                         | 52.0    | 48.9                         | 49.8                                           | 71.9                                   | 48.1                           |
|           | ABR.  | 57.9                    | 72.6                                      | 67.4                                         | 85.2                                                          | 79.1                                                               | 58.2                                     | 60.1                                                         | 47.5     | 65.5                  | 41.2                  | 51.9      | 46.0                   | 49.0                         | 51.7    | 49.0                         | 52.8                                           | 73.1                                   | 47.3                           |
|           | MAY.  | 58.3                    | 72.5                                      | 67.6                                         | 85.8                                                          | 76.3                                                               | 57.2                                     | 60.7                                                         | 46.9     | 65.6                  | 40.4                  | 53.2      | 46.0                   | 48.7                         | 51.7    | 50.9                         | 55.7                                           | 71.6                                   | 46.2                           |
|           | JUN.  | 58.5                    | 72.0                                      | 68.1                                         | 85.4                                                          | 73.8                                                               | 57.3                                     | 59.7                                                         | 47.5     | 65.7                  | 41.0                  | 53.6      | 45.6                   | 48.8                         | 52.2    | 50.4                         | 56.9                                           | 73.0                                   | 47.6                           |
|           | JUL.  | 58.6                    | 71.6                                      | 66.8                                         | 85.8                                                          | 72.9                                                               | 57.0                                     | 59.5                                                         | 47.6     | 65.7                  | 41.2                  | 54.0      | 46.9                   | 48.9                         | 52.3    | 49.9                         | 57.3                                           | 76.0                                   | 47.5                           |
|           | AGO.  | 58.3                    | 71.7                                      | 67.8                                         | 86.1                                                          | 73.0                                                               | 57.0                                     | 58.8                                                         | 47.8     | 65.8                  | 41.5                  | 53.3      | 48.5                   | 49.1                         | 53.0    | 50.2                         | 54.6                                           | 76.0                                   | 45.3                           |
| 2002      | SET.  | 58.7                    | 71.1                                      | 67.3                                         | 84.7                                                          | 73.3                                                               | 56.5                                     | 59.2                                                         | 48.3     | 66.2                  | 41.9                  | 54.4      | 48.6                   | 49.7                         | 54.0    | 50.7                         | 56.5                                           | 77.7                                   | 45.9                           |
|           | OCT.  | 59.3                    | 71.0                                      | 67.8                                         | 84.1                                                          | 73.6                                                               | 56.8                                     | 59.0                                                         | 49.4     | 66.1                  | 43.5                  | 55.1      | 47.8                   | 50.1                         | 54.4    | 51.4                         | 57.8                                           | 78.5                                   | 46.6                           |
|           | NOV.  | 59.6                    | 71.5                                      | 68.2                                         | 84.6                                                          | 74.1                                                               | 57.2                                     | 58.6                                                         | 49.3     | 66.8                  | 43.1                  | 55.6      | 47.7                   | 50.5                         | 54.0    | 52.8                         | 58.5                                           | 77.8                                   | 46.1                           |
|           | DIC.  | 59.8                    | 72.0                                      | 68.3                                         | 85.9                                                          | 74.8                                                               | 57.8                                     | 58.1                                                         | 49.1     | 66.2                  | 43.1                  | 55.8      | 46.8                   | 50.2                         | 53.9    | 53.8                         | 58.6                                           | 78.7                                   | 44.6                           |
|           | ENE.  | 57.8                    | 70.4                                      | 67.1                                         | 83.9                                                          | 73.0                                                               | 57.4                                     | 57.5                                                         | 49.1     | 66.0                  | 44.4                  | 52.2      | 46.4                   | 50.1                         | 53.2    | 53.2                         | 49.8                                           | 79.7                                   | 42.8                           |
|           | FEB.  | 57.5                    | 71.0                                      | 68.5                                         | 83.5                                                          | 74.9                                                               | 57.9                                     | 57.0                                                         | 49.7     | 65.8                  | 44.0                  | 51.2      | 46.3                   | 50.9                         | 53.8    | 51.5                         | 47.4                                           | 79.6                                   | 43.8                           |
|           | MAR.  | 58.3                    | 72.0                                      | 68.7                                         | 84.9                                                          | 76.9                                                               | 58.5                                     | 57.4                                                         | 50.2     | 66.7                  | 44.4                  | 52.2      | 46.8                   | 51.5                         | 54.9    | 52.1                         | 48.5                                           | 81.6                                   | 49.8                           |
|           | ABR.  | 59.3                    | 72.3                                      | 69.8                                         | 84.8                                                          | 75.8                                                               | 59.4                                     | 57.6                                                         | 49.8     | 65.7                  | 44.2                  | 54.2      | 47.0                   | 51.9                         | 54.6    | 51.0                         | 54.2                                           | 81.3                                   | 48.8                           |
|           | MAY.  | 59.7                    | 71.9                                      | 70.2                                         | 84.2                                                          | 73.2                                                               | 59.3                                     | 56.4                                                         | 49.0     | 65.2                  | 43.3                  | 55.6      | 46.7                   | 51.4                         | 54.8    | 52.5                         | 57.7                                           | 79.4                                   | 48.6                           |
|           | JUN.  | 59.9                    | 71.6                                      | 70.1                                         | 83.1                                                          | 72.4                                                               | 59.9                                     | 57.6                                                         | 50.0     | 61.4                  | 45.8                  | 55.9      | 46.5                   | 51.2                         | 55.7    | 50.3                         | 59.2                                           | 80.6                                   | 50.7                           |
|           | JUL.  | 60.1                    | 71.7                                      | 71.0                                         | 83.1                                                          | 72.7                                                               | 60.3                                     | 57.7                                                         | 50.2     | 62.3                  | 45.8                  | 56.3      | 46.3                   | 52.1                         | 55.8    | 50.9                         | 59.4                                           | 81.7                                   | 50.4                           |
|           | AGO.  | 59.9                    | 71.7                                      | 70.6                                         | 83.1                                                          | 72.1                                                               | 60.5                                     | 58.2                                                         | 49.9     | 63.2                  | 45.1                  | 55.9      | 47.9                   | 52.3                         | 55.3    | 50.9                         | 58.0                                           | 82.1                                   | 51.4                           |
| 2003      | SET.  | 60.1                    | 71.6                                      | 70.4                                         | 82.2                                                          | 72.7                                                               | 60.6                                     | 58.4                                                         | 50.0     | 63.0                  | 45.3                  | 56.3      | 47.9                   | 52.5                         | 55.9    | 51.6                         | 58.2                                           | 83.6                                   | 50.9                           |
|           | OCT.  | 60.7                    | 72.5                                      | 71.9                                         | 82.7                                                          | 73.3                                                               | 61.4                                     | 58.8                                                         | 50.5     | 63.0                  | 46.0                  | 56.7      | 47.7                   | 52.6                         | 55.8    | 51.7                         | 59.2                                           | 83.4                                   | 54.7                           |
|           | NOV.  | 61.1                    | 73.1                                      | 71.9                                         | 83.9                                                          | 74.2                                                               | 61.6                                     | 59.1                                                         | 51.1     | 63.0                  | 46.8                  | 57.0      | 47.5                   | 52.9                         | 56.3    | 51.5                         | 59.8                                           | 83.9                                   | 51.8                           |
|           | DIC.  | 61.3                    | 72.9                                      | 72.7                                         | 83.3                                                          | 74.6                                                               | 62.0                                     | 58.5                                                         | 51.9     | 63.0                  | 47.9                  | 57.0      | 47.6                   | 52.6                         | 56.3    | 51.8                         | 59.8                                           | 84.1                                   | 51.0                           |
|           | ENE.  | 59.9                    | 72.1                                      | 70.7                                         | 82.6                                                          | 76.9                                                               | 61.5                                     | 58.5                                                         | 53.6     | 63.2                  | 50.1                  | 54.1      | 46.9                   | 52.1                         | 56.0    | 50.5                         | 52.9                                           | 85.6                                   | 52.0                           |
|           | FEB.  | 59.3                    | 72.5                                      | 70.1                                         | 83.8                                                          | 77.7                                                               | 61.9                                     | 59.0                                                         | 53.7     | 63.5                  | 50.1                  | 52.4      | 47.6                   | 52.6                         | 57.0    | 50.0                         | 48.0                                           | 86.8                                   | 50.2                           |
|           | MAR.  | 59.6                    | 73.4                                      | 70.7                                         | 84.9                                                          | 77.9                                                               | 63.8                                     | 59.5                                                         | 53.0     | 64.0                  | 49.1                  | 52.6      | 47.3                   | 52.1                         | 57.8    | 50.5                         | 48.6                                           | 86.6                                   | 52.1                           |
|           | ABR.  | 61.0                    | 73.6                                      | 70.4                                         | 85.9                                                          | 77.1                                                               | 63.9                                     | 59.8                                                         | 53.2     | 63.9                  | 49.4                  | 55.4      | 47.3                   | 52.8                         | 57.4    | 50.9                         | 55.5                                           | 85.6                                   | 51.5                           |
|           | MAY.  | 61.6                    | 73.4                                      | 71.1                                         | 86.2                                                          | 75.2                                                               | 63.7                                     | 59.5                                                         | 53.2     | 63.1                  | 49.6                  | 56.9      | 47.8                   | 52.6                         | 58.0    | 50.4                         | 59.6                                           | 85.9                                   | 52.6                           |
|           | JUN.  | 62.0                    | 73.5                                      | 71.5                                         | 86.7                                                          | 73.9                                                               | 63.6                                     | 59.9                                                         | 53.7     | 63.2                  | 50.2                  | 57.4      | 47.0                   | 52.5                         | 58.1    | 50.7                         | 60.8                                           | 85.7                                   | 55.3                           |
|           | JUL.  | 62.0                    | 73.5                                      | 70.6                                         | 87.2                                                          | 73.4                                                               | 63.6                                     | 59.7                                                         | 53.6     | 63.0                  | 50.1                  | 57.5      | 47.0                   | 52.9                         | 58.6    | 50.3                         | 61.0                                           | 85.7                                   | 58.4                           |
|           | AGO.  | 61.0                    | 72.6                                      | 69.4                                         | 85.9                                                          | 72.6                                                               | 63.5                                     | 60.0                                                         | 53.6     | 65.5                  | 49.4                  | 55.8      | 46.1                   | 53.0                         | 58.4    | 51.0                         | 56.5                                           | 86.5                                   | 52.7                           |
| 2004      | SET.  | 61.7                    | 73.0                                      | 70.6                                         | 86.0                                                          | 72.5                                                               | 63.8                                     | 60.5                                                         | 53.6     | 64.7                  | 49.6                  | 57.2      | 46.5                   | 53.2                         | 58.5    | 52.3                         | 58.9                                           | 87.4                                   | 52.3                           |
|           | OCT.  | 62.3                    | 73.1                                      | 71.7                                         | 85.0                                                          | 72.0                                                               | 64.4                                     | 60.9                                                         | 53.5     | 64.3                  | 49.6                  | 58.5      | 47.2                   | 53.7                         | 58.1    | 52.9                         | 61.6                                           | 87.6                                   | 53.4                           |
|           | NOV.  | 62.7                    | 73.8                                      | 72.3                                         | 86.3                                                          | 72.1                                                               | 65.2                                     | 60.6                                                         | 53.6     | 63.9                  | 49.8                  | 58.8      | 48.1                   | 52.7                         | 58.8    | 53.8                         | 62.2                                           | 87.5                                   | 54.6                           |
|           | DIC.  | 63.6                    | 74.9                                      | 73.8                                         | 87.7                                                          | 72.9                                                               | 65.7                                     | 60.9                                                         | 55.0     | 63.8                  | 51.7                  | 59.3      | 48.1                   | 53.2                         | 58.1    | 54.5                         | 62.7                                           | 88.1                                   | 54.8                           |
|           | ENE.  | 62.0                    | 75.0                                      | 72.8                                         | 89.3                                                          | 72.8                                                               | 65.1                                     | 60.8                                                         | 56.2     | 62.9                  | 53.6                  | 55.3      | 46.8                   | 53.3                         | 59.9    | 53.9                         | 52.8                                           | 88.3                                   | 47.1                           |
|           | FEB.  | 61.9                    | 76.2                                      | 72.0                                         | 92.0                                                          | 76.1                                                               | 66.0                                     | 61.2                                                         | 54.2     | 62.9                  | 51.0                  | 55.0      | 48.5                   | 53.8                         | 58.9    | 54.8                         | 51.1                                           | 88.3                                   | 47.7                           |
|           | MAR.  | 62.4                    | 77.2                                      | 71.8                                         | 93.7                                                          | 78.8                                                               | 66.7                                     | 61.6                                                         | 54.4     | 63.5                  | 51.1                  | 55.4      | 48.5                   | 53.7                         | 59.0    | 56.0                         | 51.5                                           | 88.9                                   | 47.4                           |
|           | ABR.  | 63.8                    | 76.3                                      | 70.9                                         | 92.9                                                          | 75.8                                                               | 65.9                                     | 61.8                                                         | 55.3     | 62.3                  | 51.4                  | 58.9      | 49.2                   | 54.6                         | 59.4    | 57.3                         | 59.2                                           | 88.8                                   | 48.0                           |
|           | MAY.  |                         |                                           |                                              |                                                               |                                                                    |                                          |                                                              |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS,**  
**ENERO 1994 - AGOSTO 2019**  
**(Base octubre 2010=100)**

| AÑO Y MES | Total | Industria manufacturera |                                           |                                            |                                                               |                                                                    |                                          |                                                              | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |       |
|-----------|-------|-------------------------|-------------------------------------------|--------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|-------|
|           |       | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confeccion e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |       |
| 2006      | MAY.  | 67.8                    | 80.4                                      | 71.9                                       | 102.0                                                         | 74.3                                                               | 69.6                                     | 65.1                                                         | 58.0     | 64.3                  | 55.7                  | 63.0      | 50.6                   | 58.4                         | 69.4    | 59.3                         | 65.3                                           | 87.4                                   | 52.1                           |       |
|           | JUN.  | 68.6                    | 81.4                                      | 73.7                                       | 103.7                                                         | 73.9                                                               | 69.7                                     | 65.3                                                         | 58.8     | 64.4                  | 56.7                  | 63.6      | 50.7                   | 58.8                         | 69.3    | 59.7                         | 66.3                                           | 88.9                                   | 52.5                           |       |
|           | JUL.  | 68.8                    | 81.2                                      | 73.7                                       | 103.5                                                         | 72.2                                                               | 69.3                                     | 65.2                                                         | 58.5     | 64.4                  | 56.2                  | 64.4      | 51.2                   | 59.2                         | 70.5    | 61.5                         | 67.0                                           | 87.5                                   | 54.4                           |       |
|           | AGO.  | 67.9                    | 80.9                                      | 72.8                                       | 103.0                                                         | 73.0                                                               | 68.9                                     | 65.4                                                         | 58.6     | 64.5                  | 56.3                  | 62.6      | 52.2                   | 59.5                         | 72.4    | 62.1                         | 61.4                                           | 87.4                                   | 55.7                           |       |
|           | SET.  | 68.9                    | 81.2                                      | 73.6                                       | 103.0                                                         | 73.4                                                               | 69.6                                     | 65.7                                                         | 59.0     | 64.3                  | 57.0                  | 64.3      | 53.2                   | 59.3                         | 74.9    | 61.9                         | 65.8                                           | 86.0                                   | 55.8                           |       |
|           | OCT.  | 69.8                    | 82.0                                      | 74.8                                       | 104.3                                                         | 74.0                                                               | 70.3                                     | 65.8                                                         | 59.8     | 64.2                  | 58.1                  | 65.3      | 53.5                   | 59.4                         | 78.4    | 61.9                         | 67.6                                           | 87.1                                   | 55.2                           |       |
|           | NOV.  | 70.6                    | 82.1                                      | 76.4                                       | 102.9                                                         | 74.5                                                               | 71.1                                     | 65.9                                                         | 60.4     | 64.3                  | 59.0                  | 66.6      | 53.6                   | 60.5                         | 82.5    | 63.5                         | 68.8                                           | 88.1                                   | 56.1                           |       |
|           | DIC.  | 71.7                    | 83.2                                      | 78.1                                       | 104.0                                                         | 76.7                                                               | 72.2                                     | 66.2                                                         | 62.4     | 64.7                  | 61.5                  | 67.5      | 54.1                   | 61.2                         | 88.3    | 64.2                         | 69.0                                           | 89.9                                   | 55.9                           |       |
|           | ENE.  | 69.8                    | 82.0                                      | 74.7                                       | 102.3                                                         | 76.6                                                               | 72.2                                     | 66.9                                                         | 66.4     | 63.9                  | 64.7                  | 63.5      | 63.8                   | 54.3                         | 61.3    | 90.0                         | 64.6                                           | 58.8                                   | 89.8                           | 57.3  |
|           | FEB.  | 69.7                    | 82.3                                      | 75.0                                       | 101.4                                                         | 78.8                                                               | 73.2                                     | 67.7                                                         | 67.5     | 62.8                  | 66.0                  | 61.5      | 63.8                   | 54.6                         | 61.9    | 90.4                         | 64.7                                           | 57.8                                   | 92.2                           | 55.8  |
|           | MAR.  | 70.4                    | 83.4                                      | 75.9                                       | 103.4                                                         | 80.4                                                               | 73.9                                     | 68.7                                                         | 66.3     | 63.3                  | 66.8                  | 62.0      | 64.3                   | 55.6                         | 63.4    | 89.2                         | 65.5                                           | 58.3                                   | 89.7                           | 59.1  |
|           | ABR.  | 72.0                    | 83.7                                      | 77.1                                       | 104.0                                                         | 76.9                                                               | 74.2                                     | 69.2                                                         | 67.1     | 63.9                  | 67.3                  | 62.6      | 67.1                   | 56.4                         | 62.2    | 93.5                         | 66.5                                           | 65.2                                   | 88.3                           | 60.8  |
| 2007      | MAY.  | 73.4                    | 84.1                                      | 76.8                                       | 106.0                                                         | 75.8                                                               | 74.0                                     | 69.3                                                         | 64.6     | 67.5                  | 63.4                  | 69.5      | 56.7                   | 63.0                         | 97.4    | 66.8                         | 70.0                                           | 90.4                                   | 64.5                           |       |
|           | JUN.  | 74.3                    | 85.5                                      | 78.9                                       | 107.5                                                         | 75.6                                                               | 75.0                                     | 70.8                                                         | 65.6     | 68.4                  | 64.5                  | 70.0      | 57.6                   | 63.4                         | 100.0   | 64.9                         | 71.7                                           | 90.0                                   | 65.8                           |       |
|           | JUL.  | 75.3                    | 86.9                                      | 77.7                                       | 111.1                                                         | 76.3                                                               | 75.5                                     | 71.7                                                         | 69.0     | 66.0                  | 68.9                  | 64.9      | 71.2                   | 58.4                         | 64.0    | 104.7                        | 67.4                                           | 72.3                                   | 90.8                           | 63.1  |
|           | AGO.  | 75.1                    | 87.4                                      | 78.3                                       | 111.9                                                         | 77.7                                                               | 76.3                                     | 71.6                                                         | 68.1     | 66.4                  | 69.9                  | 65.0      | 70.1                   | 58.8                         | 64.8    | 111.1                        | 68.0                                           | 67.8                                   | 89.7                           | 65.4  |
|           | SET.  | 75.9                    | 88.0                                      | 80.7                                       | 111.6                                                         | 79.1                                                               | 77.0                                     | 72.2                                                         | 67.7     | 66.7                  | 70.6                  | 65.2      | 71.1                   | 59.2                         | 65.5    | 111.8                        | 68.5                                           | 69.6                                   | 90.1                           | 64.7  |
|           | OCT.  | 77.4                    | 88.9                                      | 82.2                                       | 112.9                                                         | 79.2                                                               | 77.6                                     | 72.5                                                         | 67.8     | 67.7                  | 71.5                  | 66.2      | 73.5                   | 59.9                         | 66.5    | 114.8                        | 69.0                                           | 73.8                                   | 94.5                           | 66.8  |
|           | NOV.  | 78.4                    | 89.9                                      | 83.5                                       | 113.6                                                         | 81.3                                                               | 78.7                                     | 73.0                                                         | 68.2     | 68.5                  | 71.6                  | 67.2      | 74.5                   | 60.9                         | 67.7    | 113.9                        | 70.0                                           | 75.1                                   | 95.3                           | 68.2  |
|           | DIC.  | 79.3                    | 90.7                                      | 85.9                                       | 114.4                                                         | 81.5                                                               | 78.9                                     | 73.4                                                         | 68.2     | 70.2                  | 72.3                  | 69.4      | 75.2                   | 62.1                         | 68.2    | 114.1                        | 71.5                                           | 75.3                                   | 95.2                           | 67.9  |
|           | ENE.  | 77.8                    | 89.9                                      | 85.3                                       | 112.8                                                         | 82.7                                                               | 78.8                                     | 73.0                                                         | 66.2     | 71.8                  | 71.6                  | 71.9      | 71.9                   | 62.4                         | 68.2    | 113.1                        | 71.8                                           | 66.0                                   | 96.1                           | 69.1  |
|           | FEB.  | 77.4                    | 90.7                                      | 85.7                                       | 113.9                                                         | 83.3                                                               | 79.6                                     | 74.1                                                         | 66.9     | 70.3                  | 71.5                  | 69.9      | 71.1                   | 64.9                         | 68.8    | 112.0                        | 71.7                                           | 63.3                                   | 96.9                           | 65.6  |
|           | MAR.  | 78.1                    | 91.3                                      | 85.5                                       | 114.5                                                         | 84.1                                                               | 80.5                                     | 75.1                                                         | 68.2     | 70.4                  | 72.1                  | 69.7      | 72.0                   | 66.4                         | 69.6    | 111.1                        | 73.1                                           | 63.9                                   | 97.9                           | 66.4  |
|           | ABR.  | 79.6                    | 92.0                                      | 87.2                                       | 114.1                                                         | 84.4                                                               | 80.8                                     | 76.6                                                         | 70.7     | 70.7                  | 72.9                  | 69.9      | 74.7                   | 65.5                         | 70.9    | 105.3                        | 73.6                                           | 71.7                                   | 96.5                           | 67.7  |
| 2008      | MAY.  | 80.0                    | 92.2                                      | 87.4                                       | 114.3                                                         | 83.9                                                               | 80.9                                     | 77.5                                                         | 70.8     | 70.3                  | 73.7                  | 69.0      | 75.6                   | 65.8                         | 71.4    | 103.1                        | 72.7                                           | 75.4                                   | 93.3                           | 70.4  |
|           | JUN.  | 81.2                    | 93.3                                      | 90.5                                       | 115.9                                                         | 84.1                                                               | 79.9                                     | 77.8                                                         | 72.5     | 71.0                  | 74.1                  | 69.7      | 77.0                   | 67.6                         | 71.8    | 104.5                        | 74.6                                           | 76.8                                   | 92.7                           | 76.7  |
|           | JUL.  | 82.2                    | 94.1                                      | 88.9                                       | 117.3                                                         | 85.8                                                               | 79.9                                     | 79.4                                                         | 75.9     | 71.7                  | 74.7                  | 70.5      | 78.2                   | 67.8                         | 73.1    | 107.0                        | 77.9                                           | 77.2                                   | 90.6                           | 79.0  |
|           | AGO.  | 82.3                    | 95.6                                      | 87.7                                       | 120.6                                                         | 85.9                                                               | 81.4                                     | 80.3                                                         | 78.0     | 72.1                  | 75.0                  | 71.0      | 77.3                   | 68.1                         | 74.0    | 107.6                        | 82.2                                           | 71.2                                   | 89.6                           | 83.6  |
|           | SET.  | 83.8                    | 96.6                                      | 87.6                                       | 122.3                                                         | 88.1                                                               | 81.7                                     | 81.9                                                         | 78.6     | 72.6                  | 75.6                  | 71.4      | 79.6                   | 70.7                         | 74.7    | 104.1                        | 84.4                                           | 75.5                                   | 87.6                           | 89.8  |
|           | OCT.  | 85.4                    | 98.0                                      | 90.5                                       | 123.8                                                         | 88.9                                                               | 81.8                                     | 82.7                                                         | 80.3     | 73.7                  | 76.3                  | 72.6      | 81.5                   | 70.8                         | 75.7    | 101.9                        | 86.7                                           | 79.2                                   | 87.5                           | 85.4  |
|           | NOV.  | 86.3                    | 98.8                                      | 90.9                                       | 124.4                                                         | 89.1                                                               | 82.9                                     | 84.3                                                         | 82.1     | 75.7                  | 77.0                  | 75.3      | 81.9                   | 72.0                         | 76.9    | 98.9                         | 86.1                                           | 80.5                                   | 87.1                           | 85.4  |
|           | DIC.  | 88.1                    | 100.5                                     | 97.3                                       | 124.3                                                         | 89.7                                                               | 84.6                                     | 85.2                                                         | 82.1     | 77.9                  | 77.4                  | 78.2      | 83.7                   | 74.5                         | 77.7    | 99.2                         | 91.5                                           | 80.4                                   | 88.2                           | 86.6  |
|           | ENE.  | 86.1                    | 98.0                                      | 91.9                                       | 120.7                                                         | 89.9                                                               | 84.0                                     | 85.5                                                         | 80.1     | 80.3                  | 77.0                  | 81.8      | 80.2                   | 77.4                         | 78.2    | 99.9                         | 90.2                                           | 70.2                                   | 89.1                           | 87.8  |
|           | FEB.  | 85.9                    | 98.9                                      | 93.5                                       | 120.1                                                         | 94.1                                                               | 84.5                                     | 86.2                                                         | 83.6     | 79.9                  | 78.3                  | 80.7      | 79.2                   | 75.8                         | 80.0    | 98.8                         | 90.2                                           | 66.7                                   | 91.4                           | 91.9  |
|           | MAR.  | 87.4                    | 100.1                                     | 95.2                                       | 120.6                                                         | 95.5                                                               | 85.7                                     | 87.5                                                         | 85.1     | 82.0                  | 79.9                  | 83.1      | 80.8                   | 77.0                         | 83.5    | 99.1                         | 91.4                                           | 68.3                                   | 90.2                           | 94.6  |
|           | ABR.  | 89.4                    | 100.6                                     | 96.0                                       | 121.1                                                         | 93.1                                                               | 86.2                                     | 89.0                                                         | 86.8     | 81.9                  | 80.5                  | 82.6      | 84.7                   | 77.9                         | 84.8    | 99.4                         | 90.6                                           | 79.3                                   | 89.0                           | 93.9  |
| 2009      | MAY.  | 90.3                    | 100.8                                     | 96.9                                       | 120.4                                                         | 92.5                                                               | 86.5                                     | 89.6                                                         | 88.6     | 82.4                  | 81.4                  | 83.0      | 86.4                   | 76.1                         | 86.3    | 97.8                         | 91.3                                           | 83.0                                   | 90.0                           | 95.7  |
|           | JUN.  | 91.1                    | 100.2                                     | 93.9                                       | 119.3                                                         | 92.5                                                               | 86.9                                     | 91.9                                                         | 89.7     | 83.9                  | 82.5                  | 84.6      | 87.6                   | 77.0                         | 87.8    | 99.3                         | 92.0                                           | 84.9                                   | 90.4                           | 93.5  |
|           | JUL.  | 91.1                    | 99.1                                      | 93.4                                       | 116.0                                                         | 92.2                                                               | 87.6                                     | 93.0                                                         | 88.8     | 84.5                  | 82.9                  | 85.3      | 88.3                   | 78.7                         | 89.1    | 99.2                         | 91.9                                           | 85.6                                   | 91.1                           | 96.4  |
|           | AGO.  | 90.1                    | 97.8                                      | 92.6                                       | 111.0                                                         | 92.9                                                               | 88.9                                     | 94.0                                                         | 89.8     | 83.3                  | 83.7                  | 83.3      | 87.5                   | 79.3                         | 90.5    | 99.3                         | 93.5                                           | 81.2                                   | 91.9                           | 100.3 |
|           | SET.  | 90.3                    | 97.1                                      | 93.2                                       | 107.5                                                         | 93.6                                                               | 89.0                                     | 94.7                                                         | 91.2     | 84.0                  | 84.9                  | 83.6      | 88.3                   | 81.2                         | 91.9    | 99.7                         | 93.3                                           | 82.5                                   | 90.6                           | 98.8  |
|           | OCT.  | 91.9                    | 97.6                                      | 95.3                                       | 106.6                                                         | 95.0                                                               | 89.7                                     | 95.3                                                         | 91.9     | 85.0                  | 85.3                  | 85.0      | 90.8                   | 81.9                         | 93.1    | 99.1                         | 95.2                                           | 87.8                                   | 90.6                           | 95.3  |
|           | NOV.  | 92.7                    | 98.0                                      | 97.6                                       | 105.9                                                         | 97.6                                                               | 89.7                                     | 94.8                                                         | 92.1     | 86.0                  | 84.8                  | 86.7      | 91.8                   | 83.2                         | 96.0    | 98.9                         | 94.3                                           | 89.2                                   | 91.9                           | 96.6  |
|           | DIC.  | 94.1                    | 98.6                                      | 102.4                                      | 104.0                                                         | 98.6                                                               | 91.3                                     | 93.9                                                         | 92.1     | 90.7                  | 84.7                  | 93.5      | 92.5                   | 85.4                         | 97.3    | 97.3                         | 95.3                                           | 89.3                                   | 92.1                           | 98.5  |
|           | ENE.  | 90.8                    | 94.8                                      | 94.7                                       | 98.4                                                          | 97.4                                                               | 91.5                                     | 92.5                                                         | 89.4     | 92.0                  | 83.6                  | 95.9      | 87.6                   | 85.3                         | 97.0    | 96.6                         | 94.0                                           | 77.4                                   | 89.8                           | 97.6  |
|           | FEB.  | 89.3                    | 92.8                                      | 93.2                                       | 95.2                                                          | 97.3                                                               | 90.6                                     | 90.9                                                         | 86.4     | 90.5                  | 86.4                  | 92.4      | 86.5                   | 87.6                         | 98.0    | 92.7                         | 92.2                                           | 75.0                                   | 90.3                           | 99.3  |
|           | MAR.  | 89.2                    | 91.9                                      | 93.7                                       | 91.9                                                          | 96.7                                                               | 90.8                                     | 90.4                                                         | 87.4     | 89.9                  | 87.4                  | 91.1      | 87.1                   | 85.7                         | 99.3    | 91.6                         | 90.2                                           | 77.7                                   | 91.3                           | 102.7 |
|           | 2010  | ABR.                    | 90.3                                      | 90.3                                       | 91.8                                                          | 90.2                                                               | 93.8                                     | 89.9                                                         | 90.8     | 85.6                  | 88.8                  | 87.2      | 89.6                   | 91.0                         | 85.6    | 99.3                         | 91.7                                           | 89.6                                   | 89.1                           | 90.1  |
| MAY.      |       | 90.3                    | 90.2                                      | 96.1                                       | 89.2                                                          | 91.7                                                               | 89.5                                     | 90.1                                                         | 83.3     | 88.2                  | 87.1                  | 88.7      | 91.3                   | 85.3                         | 99.6    | 91.6                         | 87.5                                           | 91.7                                   | 90.0                           | 100.3 |
| JUN.      |       | 91.1                    | 90.5                                      | 97.5                                       | 89.2                                                          | 90.9                                                               | 89.7                                     | 89.6                                                         | 84.9     | 88.9                  | 87.2                  | 89.7      | 92.4                   | 85.9                         | 99.5    | 91.7                         | 87.9                                           | 93.9                                   | 91.6                           | 101.2 |
| JUL.      |       | 91.1                    | 90.6                                      | 93.8                                       | 92.3                                                          | 89.9                                                               | 89.5                                     | 89.2                                                         | 83.7     | 89.0                  | 87.7                  | 89.6      | 92.3                   | 86.1                         | 99.7    | 92.0                         | 87.4                                           | 93.8                                   | 92.9                           | 100.7 |
| AGO.      |       | 90.2                    | 89.8                                      | 92.6                                       | 91.6                                                          | 89.6                                                               | 89.2                                     | 88.8                                                         | 82.1     | 88.9                  | 87.9                  | 89.4      | 91.0                   | 86.8                         | 99.0    | 92.9                         | 89.8                                           | 88.2                                   | 93.9                           | 102.7 |
| SET.      |       | 90.8                    | 90.7                                      | 92.6                                       | 93.2                                                          | 91.2                                                               | 89.8                                     | 89.0                                                         | 82.8     | 89.6                  | 89.4                  | 89.7      | 91.5                   | 86.6                         | 98.9    | 94.0                         | 89.6                                           | 89.5                                   | 93.4                           | 106.8 |
| OCT.      |       | 92.4                    | 91.5                                      | 95.7                                       | 93.1                                                          | 92.4                                                               | 90.4                                     | 88.8                                                         | 83.6     | 89.7                  | 89.3                  | 89.9      | 94.2                   | 87.8                         | 98.8    | 95.2                         | 91.2                                           | 95.4                                   | 93.4                           | 109.6 |
| NOV.      |       | 93.0                    | 92.0                                      | 97.8                                       | 92.9                                                          | 93.0                                                               | 90.2                                     | 89.5                                                         | 84.3     | 90.5                  | 89.6                  | 91.0      | 94.8                   | 85.6                         | 99.0    | 95.3                         | 92.4                                           | 96.8                                   | 94.0                           | 101.8 |
| DIC.      |       | 94.6                    | 93.6                                      | 101.1                                      | 93.1                                                          | 95.0                                                               | 91.3                                     | 91.0                                                         | 87.5     | 92.2                  | 90.1                  | 93.1      | 96.3                   | 87.4                         | 99.3    | 95.9                         | 95.9                                           | 97.2                                   | 95.7                           | 105.5 |
| ENE.      |       | 92.5                    | 92.8                                      | 98.4                                       | 91.2                                                          | 9                                                                  |                                          |                                                              |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |       |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS,**  
**ENERO 1994 - AGOSTO 2019**  
**(Base octubre 2010=100)**

| AÑO Y MES | Total | Industria manufacturera |                                           |                                            |                                                               |                                                                    |                                          |                                                              | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |
|-----------|-------|-------------------------|-------------------------------------------|--------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|
|           |       | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confeccion e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |
| 2011 ENE. | 99.8  | 100.6                   | 99.7                                      | 98.5                                       | 105.4                                                         | 101.6                                                              | 102.7                                    | 101.2                                                        | 106.1    | 101.8                 | 107.9                 | 96.9      | 101.1                  | 102.0                        | 102.6   | 102.3                        | 87.7                                           | 101.6                                  | 90.5                           |
| FEB.      | 99.3  | 101.9                   | 99.0                                      | 100.6                                      | 108.2                                                         | 101.9                                                              | 104.3                                    | 103.6                                                        | 104.2    | 102.2                 | 105.1                 | 95.7      | 101.8                  | 102.8                        | 102.1   | 103.0                        | 83.5                                           | 101.3                                  | 91.1                           |
| MAR.      | 100.3 | 102.2                   | 98.6                                      | 101.1                                      | 107.0                                                         | 102.6                                                              | 105.5                                    | 104.4                                                        | 104.7    | 102.7                 | 105.6                 | 97.3      | 101.6                  | 103.1                        | 103.2   | 104.7                        | 86.1                                           | 102.2                                  | 91.6                           |
| ABR.      | 102.9 | 103.0                   | 102.2                                     | 101.5                                      | 102.5                                                         | 102.5                                                              | 107.4                                    | 106.0                                                        | 104.2    | 102.9                 | 104.8                 | 102.4     | 102.8                  | 103.6                        | 104.5   | 106.4                        | 98.7                                           | 101.3                                  | 93.9                           |
| MAY.      | 103.7 | 103.5                   | 104.3                                     | 101.6                                      | 102.3                                                         | 102.9                                                              | 108.0                                    | 106.1                                                        | 104.4    | 104.2                 | 104.5                 | 103.6     | 104.9                  | 104.4                        | 105.9   | 105.4                        | 101.7                                          | 102.3                                  | 96.5                           |
| JUN.      | 104.9 | 104.1                   | 104.4                                     | 102.7                                      | 101.6                                                         | 104.0                                                              | 107.9                                    | 106.5                                                        | 105.5    | 105.3                 | 105.6                 | 105.1     | 106.8                  | 105.0                        | 107.0   | 106.4                        | 104.0                                          | 104.2                                  | 92.0                           |
| JUL.      | 105.1 | 104.0                   | 105.8                                     | 101.2                                      | 101.2                                                         | 104.1                                                              | 107.4                                    | 108.1                                                        | 105.4    | 104.6                 | 105.8                 | 105.7     | 109.3                  | 105.6                        | 108.4   | 105.8                        | 105.0                                          | 105.5                                  | 94.5                           |
| AGO.      | 104.0 | 103.3                   | 107.6                                     | 98.1                                       | 102.5                                                         | 103.9                                                              | 106.9                                    | 107.8                                                        | 105.3    | 104.9                 | 105.4                 | 104.0     | 110.0                  | 106.4                        | 109.9   | 107.6                        | 98.1                                           | 105.3                                  | 92.2                           |
| SET.      | 104.4 | 103.3                   | 107.9                                     | 95.6                                       | 105.6                                                         | 104.8                                                              | 108.3                                    | 109.7                                                        | 105.4    | 105.7                 | 105.3                 | 104.6     | 110.4                  | 107.3                        | 110.5   | 107.3                        | 99.3                                           | 106.6                                  | 94.2                           |
| OCT.      | 106.1 | 103.7                   | 109.7                                     | 94.0                                       | 108.2                                                         | 105.3                                                              | 108.4                                    | 111.9                                                        | 106.1    | 106.7                 | 105.8                 | 107.6     | 111.9                  | 107.6                        | 111.7   | 108.1                        | 106.4                                          | 105.8                                  | 96.5                           |
| NOV.      | 107.0 | 103.6                   | 109.3                                     | 93.3                                       | 108.5                                                         | 105.7                                                              | 108.0                                    | 112.5                                                        | 108.3    | 107.8                 | 108.5                 | 108.8     | 115.9                  | 109.2                        | 112.4   | 109.5                        | 106.9                                          | 106.3                                  | 94.6                           |
| DIC.      | 107.9 | 104.7                   | 113.9                                     | 92.8                                       | 107.5                                                         | 106.5                                                              | 109.3                                    | 114.5                                                        | 109.9    | 108.8                 | 110.4                 | 109.2     | 114.5                  | 110.7                        | 113.5   | 110.0                        | 106.9                                          | 107.2                                  | 93.8                           |
| 2012 ENE. | 104.3 | 101.7                   | 106.0                                     | 89.7                                       | 105.6                                                         | 106.5                                                              | 108.8                                    | 112.2                                                        | 108.6    | 107.2                 | 109.3                 | 104.3     | 114.5                  | 110.3                        | 114.1   | 109.3                        | 94.0                                           | 107.3                                  | 90.3                           |
| FEB.      | 103.2 | 101.9                   | 106.2                                     | 90.2                                       | 105.5                                                         | 106.8                                                              | 110.9                                    | 110.8                                                        | 107.7    | 107.7                 | 107.7                 | 102.3     | 112.5                  | 110.6                        | 115.2   | 108.7                        | 89.1                                           | 107.0                                  | 91.0                           |
| MAR.      | 103.9 | 101.8                   | 105.7                                     | 90.0                                       | 105.2                                                         | 107.0                                                              | 111.8                                    | 110.3                                                        | 108.4    | 108.2                 | 108.4                 | 103.5     | 112.4                  | 112.3                        | 116.6   | 110.3                        | 90.2                                           | 107.3                                  | 93.8                           |
| ABR.      | 106.1 | 101.5                   | 105.0                                     | 89.3                                       | 103.1                                                         | 107.5                                                              | 113.0                                    | 110.9                                                        | 107.9    | 107.7                 | 107.9                 | 108.4     | 114.4                  | 112.7                        | 118.4   | 110.2                        | 103.3                                          | 106.6                                  | 94.3                           |
| MAY.      | 107.4 | 102.0                   | 107.6                                     | 89.7                                       | 103.1                                                         | 106.9                                                              | 114.4                                    | 109.8                                                        | 109.3    | 108.0                 | 109.9                 | 110.2     | 115.0                  | 113.3                        | 118.9   | 110.4                        | 107.8                                          | 106.0                                  | 95.4                           |
| JUN.      | 108.8 | 103.7                   | 109.8                                     | 91.2                                       | 103.8                                                         | 107.7                                                              | 116.3                                    | 112.6                                                        | 109.4    | 108.7                 | 109.7                 | 112.0     | 116.8                  | 114.9                        | 119.4   | 112.5                        | 109.8                                          | 107.1                                  | 98.6                           |
| JUL.      | 109.2 | 104.5                   | 111.2                                     | 91.9                                       | 104.0                                                         | 108.0                                                              | 116.9                                    | 114.1                                                        | 109.8    | 109.3                 | 110.0                 | 112.3     | 118.0                  | 118.4                        | 120.5   | 109.8                        | 110.7                                          | 108.6                                  | 99.1                           |
| AGO.      | 108.7 | 104.4                   | 112.1                                     | 90.8                                       | 103.5                                                         | 108.6                                                              | 116.3                                    | 115.4                                                        | 110.1    | 109.6                 | 110.3                 | 111.0     | 119.8                  | 119.2                        | 121.4   | 112.9                        | 103.6                                          | 108.7                                  | 101.0                          |
| SET.      | 109.7 | 105.1                   | 112.6                                     | 91.1                                       | 104.4                                                         | 109.6                                                              | 117.2                                    | 116.0                                                        | 110.8    | 109.9                 | 111.2                 | 112.3     | 121.7                  | 121.3                        | 119.8   | 113.0                        | 106.1                                          | 109.3                                  | 98.6                           |
| OCT.      | 111.2 | 105.7                   | 113.0                                     | 91.1                                       | 105.5                                                         | 110.4                                                              | 117.8                                    | 117.6                                                        | 111.6    | 110.1                 | 112.2                 | 114.8     | 123.1                  | 122.1                        | 120.9   | 113.5                        | 111.9                                          | 108.7                                  | 102.0                          |
| NOV.      | 112.2 | 106.1                   | 113.6                                     | 91.6                                       | 106.5                                                         | 110.9                                                              | 117.8                                    | 118.0                                                        | 112.7    | 110.6                 | 113.7                 | 116.0     | 125.3                  | 123.3                        | 121.5   | 114.4                        | 113.3                                          | 108.9                                  | 103.7                          |
| DIC.      | 113.8 | 107.4                   | 116.1                                     | 92.3                                       | 108.7                                                         | 111.4                                                              | 118.6                                    | 119.2                                                        | 116.7    | 111.5                 | 119.0                 | 116.9     | 126.0                  | 124.2                        | 121.8   | 116.0                        | 113.7                                          | 110.1                                  | 104.4                          |
| 2013 ENE. | 110.2 | 104.4                   | 110.8                                     | 89.2                                       | 107.1                                                         | 110.6                                                              | 117.8                                    | 114.6                                                        | 116.6    | 110.9                 | 119.2                 | 111.5     | 126.9                  | 124.0                        | 123.5   | 114.8                        | 98.9                                           | 110.7                                  | 103.2                          |
| FEB.      | 109.4 | 105.8                   | 110.4                                     | 91.6                                       | 109.4                                                         | 111.6                                                              | 119.9                                    | 115.9                                                        | 116.3    | 111.2                 | 118.5                 | 109.0     | 126.9                  | 124.3                        | 120.9   | 112.5                        | 94.5                                           | 109.5                                  | 99.9                           |
| MAR.      | 110.5 | 105.8                   | 110.7                                     | 90.8                                       | 110.6                                                         | 110.9                                                              | 121.6                                    | 116.2                                                        | 117.1    | 112.1                 | 119.3                 | 111.0     | 123.9                  | 125.6                        | 121.7   | 115.1                        | 97.6                                           | 110.5                                  | 100.4                          |
| ABR.      | 112.6 | 106.0                   | 111.9                                     | 89.7                                       | 108.7                                                         | 111.8                                                              | 123.1                                    | 117.7                                                        | 116.4    | 112.3                 | 118.2                 | 115.6     | 125.3                  | 125.7                        | 122.2   | 115.1                        | 110.3                                          | 109.8                                  | 100.1                          |
| MAY.      | 113.3 | 105.7                   | 112.7                                     | 88.1                                       | 107.5                                                         | 111.7                                                              | 124.0                                    | 119.0                                                        | 116.9    | 112.9                 | 118.6                 | 116.9     | 125.1                  | 126.2                        | 122.9   | 115.7                        | 113.3                                          | 109.7                                  | 99.6                           |
| JUN.      | 113.9 | 105.9                   | 114.6                                     | 87.3                                       | 108.2                                                         | 111.6                                                              | 125.0                                    | 118.9                                                        | 117.3    | 114.1                 | 118.8                 | 117.9     | 126.3                  | 125.7                        | 123.1   | 115.7                        | 116.0                                          | 110.4                                  | 97.6                           |
| JUL.      | 113.9 | 106.4                   | 116.6                                     | 87.2                                       | 108.4                                                         | 112.0                                                              | 125.3                                    | 118.6                                                        | 117.6    | 114.3                 | 119.1                 | 117.6     | 127.9                  | 125.9                        | 123.6   | 115.3                        | 115.1                                          | 110.0                                  | 94.0                           |
| AGO.      | 113.4 | 106.0                   | 117.1                                     | 85.5                                       | 109.1                                                         | 111.9                                                              | 126.3                                    | 118.0                                                        | 117.4    | 114.1                 | 118.8                 | 116.8     | 127.7                  | 126.6                        | 125.4   | 115.5                        | 112.2                                          | 111.0                                  | 93.2                           |
| SET.      | 113.1 | 106.4                   | 119.9                                     | 85.2                                       | 110.0                                                         | 112.0                                                              | 126.5                                    | 116.7                                                        | 118.1    | 114.5                 | 119.7                 | 115.7     | 127.7                  | 127.1                        | 125.7   | 114.8                        | 109.5                                          | 110.7                                  | 93.0                           |
| OCT.      | 115.6 | 107.2                   | 120.3                                     | 85.4                                       | 111.3                                                         | 113.4                                                              | 126.3                                    | 119.4                                                        | 119.1    | 115.4                 | 120.7                 | 119.8     | 129.7                  | 126.8                        | 129.3   | 115.5                        | 119.8                                          | 109.7                                  | 91.8                           |
| NOV.      | 116.5 | 108.1                   | 122.4                                     | 85.9                                       | 113.1                                                         | 113.9                                                              | 127.1                                    | 119.8                                                        | 120.4    | 116.6                 | 122.0                 | 120.5     | 130.9                  | 126.9                        | 128.7   | 116.5                        | 120.7                                          | 109.9                                  | 92.4                           |
| DIC.      | 117.3 | 108.7                   | 123.3                                     | 85.4                                       | 114.0                                                         | 114.3                                                              | 129.3                                    | 121.6                                                        | 123.4    | 116.8                 | 126.3                 | 120.6     | 130.9                  | 127.4                        | 128.2   | 118.7                        | 118.9                                          | 109.9                                  | 92.9                           |
| 2014 ENE. | 113.6 | 105.1                   | 117.3                                     | 80.8                                       | 112.8                                                         | 112.6                                                              | 127.6                                    | 118.2                                                        | 123.9    | 114.7                 | 128.0                 | 115.2     | 129.4                  | 126.2                        | 125.3   | 118.6                        | 105.0                                          | 109.6                                  | 93.5                           |
| FEB.      | 112.3 | 105.5                   | 115.3                                     | 83.6                                       | 113.9                                                         | 113.0                                                              | 125.4                                    | 117.4                                                        | 121.9    | 115.9                 | 124.5                 | 113.0     | 129.5                  | 125.4                        | 124.3   | 117.0                        | 100.5                                          | 110.3                                  | 94.1                           |
| MAR.      | 113.0 | 105.3                   | 115.2                                     | 83.1                                       | 113.5                                                         | 113.6                                                              | 124.5                                    | 117.2                                                        | 122.5    | 116.4                 | 125.1                 | 114.4     | 128.2                  | 125.8                        | 124.0   | 117.9                        | 103.5                                          | 111.3                                  | 93.3                           |
| ABR.      | 115.6 | 104.9                   | 116.0                                     | 81.7                                       | 111.0                                                         | 114.0                                                              | 125.5                                    | 117.1                                                        | 122.5    | 116.5                 | 125.1                 | 120.1     | 130.5                  | 126.2                        | 123.2   | 118.1                        | 119.1                                          | 109.5                                  | 93.0                           |
| MAY.      | 116.3 | 105.3                   | 118.7                                     | 81.2                                       | 111.4                                                         | 114.9                                                              | 125.2                                    | 115.4                                                        | 121.6    | 116.1                 | 124.0                 | 121.6     | 131.4                  | 126.1                        | 123.8   | 118.6                        | 122.4                                          | 110.7                                  | 95.1                           |
| JUN.      | 117.4 | 105.7                   | 120.0                                     | 81.3                                       | 111.2                                                         | 115.9                                                              | 125.3                                    | 115.1                                                        | 122.0    | 116.4                 | 124.5                 | 123.3     | 133.6                  | 126.1                        | 124.2   | 120.7                        | 125.0                                          | 111.2                                  | 94.5                           |
| JUL.      | 117.4 | 105.3                   | 119.0                                     | 81.1                                       | 111.6                                                         | 115.2                                                              | 125.9                                    | 113.6                                                        | 122.9    | 116.2                 | 125.9                 | 123.3     | 135.6                  | 127.2                        | 123.4   | 121.3                        | 123.5                                          | 112.1                                  | 93.8                           |
| AGO.      | 116.3 | 104.2                   | 118.9                                     | 78.7                                       | 112.0                                                         | 115.0                                                              | 124.0                                    | 112.5                                                        | 122.0    | 115.6                 | 124.8                 | 122.2     | 134.6                  | 127.5                        | 123.1   | 122.2                        | 119.8                                          | 111.8                                  | 92.2                           |
| SET.      | 117.0 | 105.0                   | 121.6                                     | 78.3                                       | 113.5                                                         | 115.2                                                              | 125.3                                    | 114.2                                                        | 123.0    | 115.1                 | 126.5                 | 122.6     | 135.0                  | 128.4                        | 123.7   | 122.4                        | 120.4                                          | 111.5                                  | 91.5                           |
| OCT.      | 118.7 | 105.9                   | 123.5                                     | 78.3                                       | 114.0                                                         | 116.4                                                              | 125.9                                    | 115.9                                                        | 122.6    | 115.0                 | 125.9                 | 125.7     | 136.0                  | 129.6                        | 123.8   | 123.0                        | 127.8                                          | 110.6                                  | 92.9                           |
| NOV.      | 119.5 | 106.5                   | 124.2                                     | 78.8                                       | 114.2                                                         | 116.7                                                              | 126.2                                    | 117.8                                                        | 122.5    | 114.8                 | 126.0                 | 126.9     | 136.9                  | 129.8                        | 124.4   | 125.0                        | 129.2                                          | 111.1                                  | 93.6                           |
| DIC.      | 120.6 | 107.0                   | 123.5                                     | 78.7                                       | 115.4                                                         | 117.4                                                              | 126.6                                    | 120.7                                                        | 125.2    | 115.7                 | 129.4                 | 127.8     | 139.9                  | 130.1                        | 125.7   | 128.9                        | 127.5                                          | 110.6                                  | 95.2                           |
| 2015 ENE. | 115.8 | 103.6                   | 117.1                                     | 75.6                                       | 112.5                                                         | 115.3                                                              | 125.1                                    | 117.3                                                        | 126.1    | 113.9                 | 131.6                 | 120.0     | 136.8                  | 129.3                        | 125.5   | 124.7                        | 110.2                                          | 109.9                                  | 93.3                           |
| FEB.      |       |                         |                                           |                                            |                                                               |                                                                    |                                          |                                                              |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS,  
ENERO 1994 - AGOSTO 2019  
(Base octubre 2010=100)**

| AÑO Y MES | Total   | Industria manufacturera |                                           |                                                |                                                               |                                                                    |                                          |                                                              | Comercio |                       |                       | Servicios |                         |                               |          |                               |                                                |                                        |                                  |      |
|-----------|---------|-------------------------|-------------------------------------------|------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|-------------------------|-------------------------------|----------|-------------------------------|------------------------------------------------|----------------------------------------|----------------------------------|------|
|           |         | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confeccion e s e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restauran tes y hoteles | Establecimie ntos financieros | Seguro s | Bienes inmueble s y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales s y hogares |      |
|           |         |                         |                                           |                                                |                                                               |                                                                    |                                          |                                                              |          |                       |                       |           |                         |                               |          |                               |                                                |                                        |                                  |      |
| 2017      | SET.    | 119.4                   | 102.0                                     | 125.4                                          | 72.4                                                          | 112.1                                                              | 117.0                                    | 114.5                                                        | 125.5    | 115.5                 | 130.0                 | 128.6     | 145.6                   | 133.3                         | 127.7    | 122.6                         | 132.0                                          | 117.6                                  | 68.3                             |      |
|           | OCT.    | 120.3                   | 102.6                                     | 126.2                                          | 72.7                                                          | 113.0                                                              | 117.7                                    | 114.2                                                        | 126.0    | 115.5                 | 130.7                 | 129.9     | 142.1                   | 134.5                         | 127.1    | 122.3                         | 136.3                                          | 116.1                                  | 68.5                             |      |
|           | NOV.    | 121.1                   | 103.1                                     | 126.1                                          | 72.6                                                          | 114.3                                                              | 118.4                                    | 114.9                                                        | 126.4    | 115.3                 | 131.4                 | 131.1     | 140.1                   | 135.9                         | 129.2    | 123.6                         | 138.4                                          | 115.9                                  | 68.7                             |      |
|           | DIC.    | 122.0                   | 103.5                                     | 125.3                                          | 73.4                                                          | 115.4                                                              | 119.4                                    | 114.9                                                        | 126.7    | 119.0                 | 135.5                 | 130.9     | 141.0                   | 136.3                         | 130.0    | 124.6                         | 136.2                                          | 117.8                                  | 68.3                             |      |
|           | ENE.    | 117.7                   | 100.0                                     | 120.7                                          | 69.4                                                          | 112.8                                                              | 116.7                                    | 114.0                                                        | 130.5    | 117.9                 | 136.2                 | 124.4     | 141.0                   | 134.5                         | 129.6    | 121.1                         | 122.1                                          | 115.8                                  | 67.5                             |      |
|           | FEB.    | 116.2                   | 101.0                                     | 119.9                                          | 71.6                                                          | 114.0                                                              | 117.8                                    | 113.9                                                        | 126.7    | 117.8                 | 130.6                 | 122.2     | 141.0                   | 134.9                         | 128.4    | 120.8                         | 115.9                                          | 118.0                                  | 65.8                             |      |
|           | MAR.    | 116.7                   | 100.2                                     | 116.3                                          | 70.8                                                          | 114.5                                                              | 118.5                                    | 114.0                                                        | 127.3    | 118.4                 | 131.2                 | 123.5     | 138.6                   | 135.4                         | 127.5    | 122.6                         | 118.2                                          | 118.6                                  | 65.6                             |      |
|           | ABR.    | 118.4                   | 99.4                                      | 115.7                                          | 70.2                                                          | 112.9                                                              | 117.4                                    | 114.4                                                        | 126.7    | 118.3                 | 130.4                 | 127.7     | 141.5                   | 135.8                         | 128.4    | 122.7                         | 129.6                                          | 116.1                                  | 64.7                             |      |
|           | MAY.    | 119.2                   | 99.6                                      | 116.6                                          | 70.2                                                          | 111.9                                                              | 118.4                                    | 114.4                                                        | 125.7    | 118.7                 | 128.7                 | 129.6     | 141.0                   | 134.9                         | 128.6    | 122.5                         | 135.5                                          | 116.2                                  | 64.5                             |      |
|           | JUN.    | 119.6                   | 100.0                                     | 117.2                                          | 71.0                                                          | 112.7                                                              | 118.8                                    | 114.7                                                        | 124.8    | 118.8                 | 127.5                 | 130.6     | 141.2                   | 134.5                         | 127.1    | 123.5                         | 137.3                                          | 118.8                                  | 64.7                             |      |
|           | JUL.    | 118.9                   | 100.0                                     | 117.9                                          | 71.2                                                          | 113.3                                                              | 118.3                                    | 114.7                                                        | 99.1     | 124.6                 | 118.1                 | 127.4     | 129.3                   | 141.4                         | 134.9    | 125.4                         | 123.1                                          | 133.8                                  | 118.9                            | 63.8 |
|           | AGO.    | 119.0                   | 100.0                                     | 119.7                                          | 70.7                                                          | 113.4                                                              | 118.3                                    | 114.4                                                        | 98.1     | 125.0                 | 118.8                 | 127.8     | 129.2                   | 142.2                         | 135.2    | 126.0                         | 122.8                                          | 133.4                                  | 118.9                            | 63.3 |
| 2018      | SET.    | 118.9                   | 100.6                                     | 119.6                                          | 71.2                                                          | 115.2                                                              | 119.0                                    | 114.2                                                        | 99.7     | 126.4                 | 119.9                 | 129.3     | 128.2                   | 144.8                         | 135.1    | 126.1                         | 120.8                                          | 131.8                                  | 118.7                            | 62.4 |
|           | OCT.    | 119.9                   | 100.8                                     | 119.6                                          | 71.4                                                          | 114.6                                                              | 119.3                                    | 113.8                                                        | 100.5    | 126.3                 | 120.2                 | 129.0     | 130.1                   | 144.1                         | 135.6    | 125.4                         | 120.3                                          | 137.6                                  | 118.4                            | 61.8 |
|           | NOV.    | 120.6                   | 101.3                                     | 120.6                                          | 72.2                                                          | 115.1                                                              | 120.0                                    | 114.6                                                        | 99.6     | 127.8                 | 121.5                 | 130.5     | 130.6                   | 142.6                         | 135.8    | 122.0                         | 121.6                                          | 138.8                                  | 117.8                            | 60.7 |
|           | DIC.    | 121.2                   | 101.3                                     | 120.7                                          | 72.3                                                          | 116.3                                                              | 119.9                                    | 113.9                                                        | 98.9     | 129.9                 | 122.4                 | 133.2     | 130.9                   | 145.6                         | 136.5    | 122.5                         | 124.4                                          | 136.1                                  | 118.6                            | 61.4 |
|           | ENE.    | 118.0                   | 98.8                                      | 116.5                                          | 69.1                                                          | 116.1                                                              | 118.2                                    | 111.8                                                        | 97.0     | 129.6                 | 120.8                 | 133.6     | 126.1                   | 147.0                         | 134.8    | 122.4                         | 122.8                                          | 124.7                                  | 116.9                            | 60.4 |
|           | FEB.    | 116.2                   | 99.8                                      | 118.3                                          | 71.7                                                          | 115.0                                                              | 118.3                                    | 112.3                                                        | 95.9     | 127.5                 | 121.8                 | 129.9     | 122.7                   | 146.2                         | 134.8    | 121.2                         | 121.5                                          | 116.5                                  | 117.6                            | 58.7 |
|           | MAR.    | 116.9                   | 99.2                                      | 116.4                                          | 71.4                                                          | 114.6                                                              | 118.5                                    | 112.2                                                        | 95.3     | 128.5                 | 122.2                 | 131.3     | 124.2                   | 145.2                         | 135.1    | 120.5                         | 123.0                                          | 119.4                                  | 118.9                            | 58.2 |
|           | ABR.    | 118.5                   | 98.6                                      | 117.2                                          | 70.8                                                          | 110.5                                                              | 117.8                                    | 113.1                                                        | 94.3     | 127.6                 | 122.9                 | 129.6     | 128.2                   | 146.0                         | 134.8    | 121.0                         | 122.7                                          | 131.0                                  | 117.3                            | 57.6 |
|           | MAY.    | 120.2                   | 99.2                                      | 117.5                                          | 71.7                                                          | 111.0                                                              | 118.0                                    | 112.6                                                        | 95.5     | 128.0                 | 122.5                 | 130.4     | 131.0                   | 144.8                         | 134.5    | 120.3                         | 123.2                                          | 138.9                                  | 117.4                            | 57.2 |
|           | JUN.    | 120.8                   | 99.7                                      | 117.7                                          | 72.3                                                          | 112.1                                                              | 118.8                                    | 114.5                                                        | 94.4     | 128.4                 | 122.5                 | 131.0     | 131.9                   | 145.1                         | 133.7    | 120.6                         | 124.1                                          | 140.7                                  | 117.3                            | 56.8 |
|           | JUL.    | 119.9                   | 99.6                                      | 118.6                                          | 71.8                                                          | 111.3                                                              | 118.8                                    | 114.4                                                        | 94.5     | 127.2                 | 121.6                 | 129.6     | 130.5                   | 144.1                         | 134.6    | 122.1                         | 123.8                                          | 137.0                                  | 116.7                            | 56.2 |
|           | AGO.    | 119.9                   | 99.9                                      | 120.5                                          | 70.9                                                          | 111.5                                                              | 119.2                                    | 114.2                                                        | 95.1     | 127.1                 | 121.4                 | 129.6     | 130.3                   | 144.9                         | 134.3    | 122.8                         | 123.8                                          | 136.5                                  | 116.1                            | 55.0 |
| 2019      | SET.    | 119.8                   | 100.4                                     | 121.8                                          | 71.1                                                          | 112.2                                                              | 119.5                                    | 114.3                                                        | 95.4     | 126.8                 | 120.7                 | 129.4     | 130.0                   | 145.3                         | 135.2    | 123.3                         | 123.2                                          | 135.6                                  | 115.8                            | 53.9 |
|           | OCT.    | 121.2                   | 100.5                                     | 120.9                                          | 71.0                                                          | 111.8                                                              | 120.8                                    | 113.9                                                        | 96.4     | 127.2                 | 121.3                 | 129.8     | 132.6                   | 144.9                         | 135.8    | 126.1                         | 122.2                                          | 143.3                                  | 116.8                            | 52.0 |
|           | NOV.    | 122.1                   | 101.2                                     | 122.6                                          | 71.5                                                          | 112.0                                                              | 121.5                                    | 113.4                                                        | 98.0     | 128.3                 | 121.8                 | 131.1     | 133.6                   | 147.6                         | 136.5    | 126.2                         | 122.4                                          | 144.6                                  | 117.4                            | 53.1 |
|           | DIC.    | 122.5                   | 101.8                                     | 123.8                                          | 71.9                                                          | 114.1                                                              | 121.6                                    | 112.7                                                        | 98.0     | 131.2                 | 122.9                 | 134.9     | 132.9                   | 143.4                         | 137.7    | 125.8                         | 123.6                                          | 142.2                                  | 118.1                            | 52.6 |
|           | ENE.    | 118.6                   | 98.6                                      | 118.4                                          | 68.4                                                          | 113.3                                                              | 119.4                                    | 111.4                                                        | 94.6     | 129.7                 | 120.6                 | 133.7     | 127.5                   | 141.8                         | 136.9    | 125.7                         | 121.1                                          | 130.4                                  | 116.8                            | 52.1 |
|           | FEB.    | 116.8                   | 99.4                                      | 118.8                                          | 70.9                                                          | 115.3                                                              | 118.2                                    | 112.0                                                        | 94.6     | 127.7                 | 121.4                 | 130.4     | 124.1                   | 142.3                         | 137.0    | 125.5                         | 120.6                                          | 120.8                                  | 117.7                            | 51.5 |
|           | MAR.    | 117.9                   | 99.1                                      | 118.6                                          | 70.3                                                          | 115.0                                                              | 117.3                                    | 112.0                                                        | 95.5     | 129.2                 | 122.5                 | 132.1     | 126.0                   | 139.6                         | 138.3    | 125.7                         | 121.2                                          | 125.8                                  | 118.0                            | 51.2 |
|           | ABR.    | 119.5                   | 98.6                                      | 118.2                                          | 69.7                                                          | 112.3                                                              | 117.4                                    | 111.3                                                        | 95.6     | 128.2                 | 122.7                 | 130.5     | 129.9                   | 141.5                         | 138.6    | 125.9                         | 120.4                                          | 137.2                                  | 116.8                            | 51.0 |
|           | MAY.    | 120.6                   | 98.4                                      | 118.3                                          | 69.7                                                          | 111.4                                                              | 117.4                                    | 110.7                                                        | 95.1     | 128.5                 | 123.5                 | 130.6     | 132.2                   | 141.3                         | 138.6    | 125.2                         | 119.9                                          | 143.9                                  | 117.0                            | 51.6 |
|           | JUN.    | 121.2                   | 98.7                                      | 118.6                                          | 69.6                                                          | 111.6                                                              | 117.2                                    | 111.3                                                        | 97.2     | 128.9                 | 123.6                 | 131.2     | 133.1                   | 142.9                         | 139.2    | 127.4                         | 120.6                                          | 145.0                                  | 117.7                            | 53.6 |
|           | JUL.    | 120.4                   | 98.6                                      | 120.7                                          | 68.7                                                          | 110.9                                                              | 117.1                                    | 111.2                                                        | 96.0     | 128.4                 | 123.1                 | 130.7     | 131.7                   | 143.8                         | 139.6    | 127.4                         | 119.0                                          | 141.9                                  | 116.7                            | 56.1 |
|           | AGO. P/ | 120.3                   | 98.3                                      | 122.7                                          | 67.4                                                          | 111.0                                                              | 116.5                                    | 110.1                                                        | 95.3     | 128.4                 | 123.2                 | 130.6     | 131.8                   | 147.0                         | 140.1    | 128.0                         | 117.7                                          | 141.8                                  | 117.7                            | 55.9 |

**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao. La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en enero 1994.

P/ Cifras preliminares.

**Fuente:** MTPE – Encuesta Nacional de Variación Mensual del Empleo (ENVMME).

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |               |                         |          |                           |              | VARIACIÓN PROMEDIO ANUAL 2/ |               |                         |          |                           |              |
|-----------|--------------------|---------------|-------------------------|----------|---------------------------|--------------|-----------------------------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total              | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ | Total                       | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ |
| 1998 OCT. | 0.4                | 0.3           | -1.7                    | 0.9      | -1.3                      | 2.4          | 0.3                         | 1.2           | -0.7                    | 0.8      | -0.1                      | 1.0          |
| NOV.      | -1.6               | -1.4          | -4.9                    | -0.3     | -2.0                      | 0.9          | -0.2                        | -0.1          | -1.1                    | 0.6      | -0.4                      | 0.6          |
| DIC.      | -2.2               | -2.4          | -5.1                    | -0.1     | -3.8                      | -0.1         | -0.5                        | -0.6          | -1.6                    | 0.5      | -0.8                      | 0.3          |
| 1999 ENE. | -3.5               | -5.2          | -6.5                    | -2.2     | -6.3                      | -0.5         | -3.5                        | -5.2          | -6.5                    | -2.2     | -6.3                      | -0.5         |
| FEB.      | -4.6               | -3.2          | -7.0                    | -4.4     | -6.9                      | -2.1         | -4.1                        | -4.2          | -6.8                    | -3.3     | -6.6                      | -1.3         |
| MAR.      | -5.4               | -8.4          | -7.4                    | -4.5     | -9.1                      | -2.9         | -4.5                        | -5.6          | -7.0                    | -3.7     | -7.4                      | -1.8         |
| ABR.      | -6.5               | -6.4          | -7.5                    | -6.4     | -9.4                      | -4.9         | -5.0                        | -5.8          | -7.1                    | -4.4     | -7.9                      | -2.6         |
| MAY.      | -6.6               | -3.7          | -7.9                    | -7.3     | -10.4                     | -4.5         | -5.3                        | -5.4          | -7.3                    | -5.0     | -8.4                      | -3.0         |
| JUN.      | -6.7               | -9.0          | -7.9                    | -8.5     | -4.7                      | -5.1         | -5.6                        | -6.0          | -7.4                    | -5.6     | -7.8                      | -3.4         |
| JUL.      | -7.5               | -15.3         | -9.2                    | -8.9     | -6.1                      | -5.2         | -5.8                        | -7.4          | -7.6                    | -6.0     | -7.6                      | -3.6         |
| AGO.      | -7.7               | -15.6         | -9.5                    | -9.7     | -7.1                      | -4.8         | -6.1                        | -8.4          | -7.9                    | -6.5     | -7.5                      | -3.8         |
| SET.      | -7.6               | -14.1         | -8.7                    | -10.0    | -8.1                      | -5.1         | -6.2                        | -9.1          | -8.0                    | -6.9     | -7.6                      | -3.9         |
| OCT.      | -7.6               | -14.3         | -7.9                    | -10.6    | -7.9                      | -5.4         | -6.4                        | -9.6          | -8.0                    | -7.3     | -7.6                      | -4.1         |
| NOV.      | -6.2               | -12.3         | -5.0                    | -10.8    | -6.8                      | -4.7         | -6.4                        | -9.8          | -7.7                    | -7.6     | -7.5                      | -4.1         |
| DIC.      | -5.6               | -10.3         | -4.2                    | -10.4    | -4.7                      | -4.5         | -6.3                        | -9.9          | -7.4                    | -7.8     | -7.3                      | -4.2         |
| 2000 ENE. | -5.2               | -17.0         | -3.7                    | -8.9     | -2.5                      | -4.8         | -5.2                        | -17.0         | -3.7                    | -8.9     | -2.5                      | -4.8         |
| FEB.      | -4.7               | -15.1         | -4.0                    | -7.2     | 0.2                       | -4.6         | -5.0                        | -16.1         | -3.9                    | -8.1     | -1.1                      | -4.7         |
| MAR.      | -3.8               | -14.9         | -3.1                    | -6.8     | 0.9                       | -3.5         | -4.6                        | -15.7         | -3.6                    | -7.7     | -0.5                      | -4.3         |
| ABR.      | -2.9               | -8.7          | -2.4                    | -5.3     | 0.7                       | -2.8         | -4.2                        | -14.0         | -3.3                    | -7.1     | -0.2                      | -3.9         |
| MAY.      | -2.7               | -14.6         | -1.9                    | -5.2     | 1.1                       | -2.3         | -3.9                        | -14.1         | -3.1                    | -6.7     | 0.1                       | -3.6         |
| JUN.      | -1.7               | -3.6          | -1.7                    | -4.4     | 2.9                       | -1.6         | -3.5                        | -12.4         | -2.8                    | -6.4     | 0.5                       | -3.2         |
| JUL.      | -1.5               | 0.9           | -1.2                    | -5.0     | 1.7                       | -1.2         | -3.2                        | -10.6         | -2.6                    | -6.2     | 0.7                       | -3.0         |
| AGO.      | -1.7               | -7.6          | -0.9                    | -5.4     | 1.7                       | -1.4         | -3.1                        | -10.2         | -2.4                    | -6.1     | 0.8                       | -2.7         |
| SET.      | -2.0               | -7.0          | -1.8                    | -5.6     | 3.2                       | -1.6         | -2.9                        | -9.9          | -2.3                    | -6.0     | 1.1                       | -2.6         |
| OCT.      | -2.2               | -7.6          | -2.4                    | -4.8     | 0.7                       | -1.4         | -2.9                        | -9.7          | -2.3                    | -5.9     | 1.1                       | -2.5         |
| NOV.      | -2.0               | -2.7          | -2.1                    | -4.2     | 0.8                       | -1.7         | -2.8                        | -9.1          | -2.3                    | -5.8     | 1.0                       | -2.4         |
| DIC.      | -2.5               | -1.5          | -3.1                    | -4.5     | -0.2                      | -1.8         | -2.8                        | -8.4          | -2.4                    | -5.7     | 0.9                       | -2.4         |
| 2001 ENE. | -2.5               | 13.9          | -2.1                    | -5.4     | 0.7                       | -3.1         | -2.5                        | 13.9          | -2.1                    | -5.4     | 0.7                       | -3.1         |
| FEB.      | -2.3               | 6.3           | -1.3                    | -6.6     | 0.6                       | -2.3         | -2.4                        | 10.1          | -1.7                    | -6.0     | 0.6                       | -2.7         |
| MAR.      | -1.7               | 11.1          | -1.3                    | -5.9     | 1.3                       | -1.6         | -2.2                        | 10.4          | -1.6                    | -6.0     | 0.9                       | -2.3         |
| ABR.      | -1.7               | 7.1           | -1.3                    | -5.5     | 2.1                       | -1.8         | -2.1                        | 9.6           | -1.5                    | -5.9     | 1.2                       | -2.2         |
| MAY.      | -1.6               | 15.9          | -1.2                    | -5.5     | 1.1                       | -1.8         | -2.0                        | 10.8          | -1.5                    | -5.8     | 1.2                       | -2.1         |
| JUN.      | -2.5               | 4.8           | -1.9                    | -5.6     | -2.8                      | -1.9         | -2.1                        | 9.7           | -1.5                    | -5.8     | 0.5                       | -2.1         |
| JUL.      | -2.4               | 1.0           | -1.7                    | -5.2     | -1.0                      | -2.3         | -2.1                        | 8.4           | -1.6                    | -5.7     | 0.3                       | -2.1         |
| AGO.      | -1.7               | 7.6           | -0.3                    | -3.9     | 1.0                       | -2.9         | -2.1                        | 8.3           | -1.4                    | -5.5     | 0.4                       | -2.2         |
| SET.      | -1.2               | 7.1           | -0.7                    | -2.4     | -0.9                      | -1.5         | -2.0                        | 8.2           | -1.3                    | -5.1     | 0.2                       | -2.1         |
| OCT.      | -0.3               | 9.7           | -0.4                    | -0.9     | 2.1                       | -0.9         | -1.8                        | 8.3           | -1.2                    | -4.7     | 0.4                       | -2.0         |
| NOV.      | -0.4               | 4.6           | -0.2                    | -1.2     | 0.8                       | -0.8         | -1.7                        | 8.0           | -1.2                    | -4.4     | 0.4                       | -1.9         |
| DIC.      | -0.4               | 0.6           | 0.4                     | -2.1     | 0.2                       | -0.5         | -1.6                        | 7.3           | -1.0                    | -4.2     | 0.4                       | -1.8         |
| 2002 ENE. | -1.5               | -5.9          | -0.8                    | -1.5     | -1.7                      | -1.7         | -1.5                        | -5.9          | -0.8                    | -1.5     | -1.7                      | -1.7         |
| FEB.      | -1.2               | 0.1           | -0.7                    | -0.9     | -1.3                      | -1.9         | -1.3                        | -3.0          | -0.7                    | -1.2     | -1.5                      | -1.8         |
| MAR.      | -1.1               | -3.2          | 0.1                     | -0.2     | -2.3                      | -2.2         | -1.3                        | -3.1          | -0.4                    | -0.9     | -1.8                      | -1.9         |
| ABR.      | -0.1               | 1.2           | 0.2                     | 0.1      | -1.5                      | 0.0          | -1.0                        | -2.0          | -0.3                    | -0.6     | -1.7                      | -1.4         |
| MAY.      | 0.3                | -4.3          | 0.4                     | 0.8      | -1.4                      | 0.6          | -0.7                        | -2.5          | -0.1                    | -0.3     | -1.7                      | -1.0         |
| JUN.      | 0.9                | -1.6          | 1.5                     | 1.7      | 0.0                       | 0.4          | -0.4                        | -2.3          | 0.1                     | 0.0      | -1.4                      | -0.8         |
| JUL.      | 1.4                | 2.7           | 1.5                     | 3.1      | 0.0                       | 1.0          | -0.2                        | -1.6          | 0.3                     | 0.4      | -1.2                      | -0.5         |
| AGO.      | 1.0                | 4.8           | 0.0                     | 2.7      | -1.4                      | 1.4          | 0.0                         | -0.8          | 0.3                     | 0.7      | -1.2                      | -0.3         |
| SET.      | 0.8                | -3.1          | 0.5                     | 2.3      | -0.2                      | 0.9          | 0.1                         | -1.1          | 0.3                     | 0.9      | -1.1                      | -0.1         |
| OCT.      | 0.8                | -1.6          | 1.5                     | 0.8      | 0.1                       | 0.7          | 0.1                         | -1.1          | 0.4                     | 0.9      | -1.0                      | 0.0          |
| NOV.      | 1.3                | 0.8           | 2.1                     | 1.8      | -0.2                      | 1.0          | 0.2                         | -1.0          | 0.6                     | 1.0      | -0.9                      | 0.0          |
| DIC.      | 2.0                | 3.5           | 1.4                     | 5.2      | 0.5                       | 1.3          | 0.4                         | -0.6          | 0.6                     | 1.3      | -0.8                      | 0.1          |
| 2003 ENE. | 2.5                | 0.8           | 1.6                     | 6.9      | 1.7                       | 1.6          | 2.5                         | 0.8           | 1.6                     | 6.9      | 1.7                       | 1.6          |
| FEB.      | 2.4                | -0.3          | 1.8                     | 7.2      | 0.5                       | 1.1          | 2.4                         | 0.3           | 1.7                     | 7.0      | 1.1                       | 1.4          |
| MAR.      | 1.9                | 2.8           | 1.7                     | 6.3      | -0.2                      | 0.4          | 2.3                         | 1.1           | 1.7                     | 6.8      | 0.6                       | 1.1          |
| ABR.      | 2.0                | -5.5          | 1.5                     | 6.8      | -0.4                      | 1.3          | 2.2                         | -0.6          | 1.7                     | 6.8      | 0.4                       | 1.1          |
| MAY.      | 2.4                | 5.2           | 1.3                     | 7.4      | 1.2                       | 1.2          | 2.2                         | 0.5           | 1.6                     | 6.9      | 0.5                       | 1.1          |
| JUN.      | 2.2                | 0.2           | 1.3                     | 6.5      | 0.3                       | 1.5          | 2.2                         | 0.5           | 1.5                     | 6.8      | 0.5                       | 1.2          |
| JUL.      | 1.8                | -2.1          | 1.4                     | 5.1      | 0.0                       | 1.2          | 2.2                         | 0.1           | 1.5                     | 6.6      | 0.4                       | 1.2          |
| AGO.      | 0.9                | -4.1          | 0.7                     | 4.8      | 1.7                       | -0.5         | 2.0                         | -0.4          | 1.4                     | 6.4      | 0.6                       | 1.0          |
| SET.      | 1.5                | 3.1           | 0.9                     | 4.3      | 2.2                       | 0.6          | 1.9                         | -0.1          | 1.4                     | 6.1      | 0.8                       | 0.9          |
| OCT.      | 1.6                | 1.4           | 0.5                     | 3.8      | 1.3                       | 1.5          | 1.9                         | 0.1           | 1.3                     | 5.9      | 0.8                       | 1.0          |
| NOV.      | 1.6                | 2.8           | 0.3                     | 3.0      | 2.0                       | 1.7          | 1.9                         | 0.3           | 1.2                     | 5.6      | 0.9                       | 1.1          |
| DIC.      | 1.9                | 1.5           | 1.4                     | 1.7      | 2.4                       | 2.2          | 1.9                         | 0.4           | 1.2                     | 5.3      | 1.0                       | 1.2          |
| 2004 ENE. | 1.9                | 6.5           | 2.7                     | 1.5      | 0.6                       | 1.4          | 1.9                         | 6.5           | 2.7                     | 1.5      | 0.6                       | 1.4          |
| FEB.      | 1.7                | 5.7           | 2.5                     | -1.3     | 1.3                       | 2.2          | 1.8                         | 6.1           | 2.6                     | 0.1      | 1.0                       | 1.8          |
| MAR.      | 1.9                | 5.4           | 2.4                     | -1.1     | 2.2                       | 2.5          | 1.8                         | 5.9           | 2.5                     | -0.3     | 1.4                       | 2.1          |
| ABR.      | 2.6                | 7.8           | 3.3                     | -0.6     | 0.9                       | 3.6          | 2.0                         | 6.3           | 2.7                     | -0.4     | 1.3                       | 2.4          |
| MAY.      | 2.3                | 5.4           | 2.9                     | -0.3     | -0.2                      | 3.3          | 2.1                         | 6.1           | 2.8                     | -0.4     | 1.0                       | 2.6          |
| JUN.      | 2.2                | 9.8           | 2.5                     | -1.1     | 1.1                       | 3.2          | 2.1                         | 6.8           | 2.7                     | -0.5     | 1.0                       | 2.7          |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |               |                         |          |                           |              | VARIACIÓN PROMEDIO ANUAL 2/ |               |                         |          |                           |              |
|-----------|--------------------|---------------|-------------------------|----------|---------------------------|--------------|-----------------------------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total              | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ | Total                       | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ |
| JUL.      | 2.3                | 11.8          | 2.4                     | -1.4     | 1.2                       | 3.5          | 2.1                         | 7.5           | 2.7                     | -0.6     | 1.0                       | 2.8          |
| AGO.      | 2.7                | 10.9          | 2.7                     | -2.2     | 0.8                       | 4.7          | 2.2                         | 7.9           | 2.7                     | -0.8     | 1.0                       | 3.1          |
| SET.      | 2.6                | 9.1           | 3.3                     | -1.8     | 0.2                       | 4.2          | 2.2                         | 8.0           | 2.7                     | -0.9     | 0.9                       | 3.2          |
| OCT.      | 2.9                | 9.0           | 3.4                     | -0.9     | 0.4                       | 4.4          | 2.3                         | 8.1           | 2.8                     | -0.9     | 0.9                       | 3.3          |
| NOV.      | 3.0                | 4.4           | 3.7                     | 1.0      | 0.2                       | 3.7          | 2.4                         | 7.8           | 2.9                     | -0.7     | 0.8                       | 3.4          |
| DIC.      | 3.0                | 6.2           | 3.5                     | 1.6      | 0.8                       | 3.6          | 2.4                         | 7.6           | 2.9                     | -0.5     | 0.8                       | 3.4          |
| 2005 ENE. | 2.8                | 3.4           | 3.4                     | 0.6      | 1.4                       | 3.5          | 2.8                         | 3.4           | 3.4                     | 0.6      | 1.4                       | 3.5          |
| FEB.      | 3.0                | 2.2           | 3.4                     | 3.2      | 0.0                       | 3.3          | 2.9                         | 2.8           | 3.4                     | 1.9      | 0.7                       | 3.4          |
| MAR.      | 3.4                | 4.0           | 3.7                     | 2.1      | -0.1                      | 4.5          | 3.0                         | 3.2           | 3.5                     | 2.0      | 0.4                       | 3.8          |
| ABR.      | 2.3                | 3.9           | 2.4                     | 1.9      | 1.3                       | 2.4          | 2.8                         | 3.3           | 3.2                     | 1.9      | 0.6                       | 3.4          |
| MAY.      | 3.3                | 3.1           | 4.6                     | 1.6      | 2.4                       | 3.3          | 2.9                         | 3.3           | 3.5                     | 1.9      | 1.0                       | 3.4          |
| JUN.      | 3.9                | 5.7           | 5.6                     | 2.8      | 2.9                       | 3.2          | 3.1                         | 3.7           | 3.8                     | 2.0      | 1.3                       | 3.3          |
| JUL.      | 4.4                | 3.5           | 5.9                     | 4.4      | 2.9                       | 3.5          | 3.3                         | 3.7           | 4.1                     | 2.3      | 1.5                       | 3.4          |
| AGO.      | 4.4                | 2.9           | 6.2                     | 5.3      | 3.0                       | 2.9          | 3.4                         | 3.6           | 4.4                     | 2.7      | 1.7                       | 3.3          |
| SET.      | 4.5                | 2.0           | 5.4                     | 5.2      | 3.3                       | 3.8          | 3.5                         | 3.4           | 4.5                     | 3.0      | 1.9                       | 3.4          |
| OCT.      | 4.3                | 1.3           | 5.5                     | 5.3      | 3.2                       | 3.3          | 3.6                         | 3.2           | 4.6                     | 3.2      | 2.0                       | 3.3          |
| NOV.      | 4.6                | 2.1           | 4.7                     | 5.2      | 2.8                       | 4.9          | 3.7                         | 3.1           | 4.6                     | 3.4      | 2.1                       | 3.5          |
| DIC.      | 5.0                | 6.7           | 5.2                     | 5.1      | 2.9                       | 5.1          | 3.8                         | 3.4           | 4.7                     | 3.6      | 2.2                       | 3.6          |
| 2006 ENE. | 5.5                | 5.5           | 5.0                     | 6.1      | 4.3                       | 6.1          | 5.5                         | 5.5           | 5.0                     | 6.1      | 4.3                       | 6.1          |
| FEB.      | 5.9                | 5.7           | 4.8                     | 5.0      | 5.0                       | 7.6          | 5.7                         | 5.6           | 4.9                     | 5.6      | 4.6                       | 6.8          |
| MAR.      | 5.8                | 5.7           | 4.9                     | 6.6      | 3.6                       | 6.9          | 5.7                         | 5.6           | 4.9                     | 5.9      | 4.3                       | 6.9          |
| ABR.      | 6.6                | 9.0           | 5.6                     | 7.0      | 4.2                       | 7.6          | 6.0                         | 6.5           | 5.1                     | 6.2      | 4.3                       | 7.0          |
| MAY.      | 5.8                | 7.6           | 3.9                     | 7.0      | 4.4                       | 7.2          | 5.9                         | 6.7           | 4.8                     | 6.4      | 4.3                       | 7.1          |
| JUN.      | 6.2                | 2.5           | 4.8                     | 6.9      | 5.4                       | 7.5          | 6.0                         | 6.0           | 4.8                     | 6.5      | 4.5                       | 7.1          |
| JUL.      | 7.3                | 1.7           | 7.6                     | 7.7      | 5.1                       | 7.8          | 6.2                         | 5.3           | 5.2                     | 6.6      | 4.6                       | 7.2          |
| AGO.      | 7.5                | 3.6           | 7.4                     | 7.6      | 5.0                       | 8.3          | 6.3                         | 5.1           | 5.5                     | 6.7      | 4.6                       | 7.4          |
| SET.      | 7.6                | 6.1           | 8.7                     | 8.0      | 4.4                       | 7.4          | 6.5                         | 5.2           | 5.9                     | 6.9      | 4.6                       | 7.4          |
| OCT.      | 8.8                | 5.8           | 11.0                    | 8.0      | 5.1                       | 8.5          | 6.7                         | 5.3           | 6.4                     | 7.0      | 4.6                       | 7.5          |
| NOV.      | 9.1                | 7.1           | 11.9                    | 7.7      | 7.4                       | 8.0          | 6.9                         | 5.4           | 6.9                     | 7.1      | 4.9                       | 7.5          |
| DIC.      | 8.6                | 3.8           | 10.8                    | 7.4      | 7.2                       | 8.0          | 7.1                         | 5.3           | 7.2                     | 7.1      | 5.1                       | 7.6          |
| 2007 ENE. | 8.6                | 2.2           | 10.6                    | 7.3      | 6.3                       | 7.9          | 8.6                         | 2.2           | 10.6                    | 7.3      | 6.3                       | 7.9          |
| FEB.      | 8.8                | -0.7          | 11.9                    | 7.7      | 5.2                       | 7.6          | 8.7                         | 0.7           | 11.2                    | 7.5      | 5.8                       | 7.8          |
| MAR.      | 9.4                | 1.0           | 10.9                    | 8.0      | 8.4                       | 9.2          | 8.9                         | 0.8           | 11.1                    | 7.7      | 6.7                       | 8.2          |
| ABR.      | 8.1                | -4.6          | 9.8                     | 6.6      | 7.2                       | 8.0          | 8.7                         | -0.6          | 10.8                    | 7.4      | 6.8                       | 8.2          |
| MAY.      | 8.1                | -2.3          | 9.9                     | 6.2      | 9.3                       | 7.5          | 8.6                         | -0.9          | 10.6                    | 7.2      | 7.3                       | 8.0          |
| JUN.      | 8.2                | -1.2          | 9.0                     | 8.4      | 7.1                       | 7.9          | 8.5                         | -1.0          | 10.3                    | 7.4      | 7.3                       | 8.0          |
| JUL.      | 7.5                | -4.0          | 7.0                     | 8.5      | 6.7                       | 8.0          | 8.4                         | -1.4          | 9.8                     | 7.5      | 7.2                       | 8.0          |
| AGO.      | 8.7                | -1.0          | 9.3                     | 9.8      | 6.0                       | 8.7          | 8.4                         | -1.4          | 9.8                     | 7.8      | 7.0                       | 8.1          |
| SET.      | 9.3                | -0.6          | 9.3                     | 9.8      | 6.2                       | 10.0         | 8.5                         | -1.3          | 9.7                     | 8.0      | 6.9                       | 8.3          |
| OCT.      | 8.9                | 1.5           | 8.2                     | 9.6      | 6.9                       | 9.6          | 8.5                         | -1.0          | 9.6                     | 8.2      | 6.9                       | 8.4          |
| NOV.      | 8.4                | -4.1          | 8.2                     | 10.1     | 6.4                       | 8.6          | 8.5                         | -1.3          | 9.4                     | 8.4      | 6.9                       | 8.4          |
| DIC.      | 9.3                | -2.6          | 9.6                     | 10.0     | 5.8                       | 9.8          | 8.6                         | -1.4          | 9.4                     | 8.5      | 6.8                       | 8.6          |
| 2008 ENE. | 8.8                | 1.2           | 7.5                     | 14.1     | 6.7                       | 8.4          | 8.8                         | 1.2           | 7.5                     | 14.1     | 6.7                       | 8.4          |
| FEB.      | 9.0                | 4.4           | 6.8                     | 16.4     | 8.1                       | 8.2          | 8.9                         | 2.7           | 7.2                     | 15.2     | 7.4                       | 8.3          |
| MAR.      | 9.3                | 2.1           | 7.2                     | 17.0     | 6.5                       | 8.5          | 9.0                         | 2.5           | 7.2                     | 15.8     | 7.1                       | 8.4          |
| ABR.      | 9.7                | 5.4           | 7.3                     | 14.4     | 7.5                       | 10.2         | 9.2                         | 3.2           | 7.2                     | 15.5     | 7.2                       | 8.8          |
| MAY.      | 10.2               | 6.2           | 7.5                     | 16.3     | 6.1                       | 10.8         | 9.4                         | 3.8           | 7.3                     | 15.6     | 7.0                       | 9.2          |
| JUN.      | 9.6                | 3.7           | 6.3                     | 15.0     | 6.2                       | 10.7         | 9.4                         | 3.8           | 7.1                     | 15.5     | 6.8                       | 9.5          |
| JUL.      | 9.5                | 9.7           | 4.7                     | 15.2     | 7.9                       | 10.9         | 9.4                         | 4.6           | 6.8                     | 15.5     | 7.0                       | 9.7          |
| AGO.      | 8.1                | 4.4           | 1.8                     | 12.9     | 8.7                       | 10.9         | 9.2                         | 4.6           | 6.1                     | 15.1     | 7.2                       | 9.9          |
| SET.      | 7.4                | 5.8           | 0.4                     | 13.6     | 9.8                       | 9.8          | 9.0                         | 4.8           | 5.5                     | 15.0     | 7.5                       | 9.8          |
| OCT.      | 7.0                | 5.9           | -0.9                    | 13.4     | 8.6                       | 10.1         | 8.8                         | 4.9           | 4.8                     | 14.8     | 7.6                       | 9.9          |
| NOV.      | 7.5                | 9.2           | 0.3                     | 13.0     | 8.2                       | 10.4         | 8.7                         | 5.3           | 4.4                     | 14.6     | 7.7                       | 9.9          |
| DIC.      | 7.3                | 10.9          | 0.0                     | 14.7     | 8.6                       | 9.3          | 8.6                         | 5.8           | 4.0                     | 14.6     | 7.7                       | 9.9          |
| 2009 ENE. | 5.9                | 8.6           | -1.4                    | 9.1      | 6.8                       | 9.9          | 5.9                         | 8.6           | -1.4                    | 9.1      | 6.8                       | 9.9          |
| FEB.      | 4.2                | 5.5           | -4.9                    | 7.6      | 6.0                       | 9.1          | 5.1                         | 7.1           | -3.2                    | 8.3      | 6.4                       | 9.5          |
| MAR.      | 3.0                | 4.5           | -6.2                    | 5.8      | 5.9                       | 7.9          | 4.3                         | 6.2           | -4.2                    | 7.5      | 6.2                       | 9.0          |
| ABR.      | 2.9                | 2.8           | -7.0                    | 7.7      | 5.7                       | 7.5          | 4.0                         | 5.4           | -4.9                    | 7.5      | 6.1                       | 8.6          |
| MAY.      | 1.5                | 0.1           | -7.8                    | 5.5      | 3.7                       | 6.0          | 3.5                         | 4.3           | -5.5                    | 7.1      | 5.6                       | 8.0          |
| JUN.      | 1.5                | -0.7          | -7.0                    | 4.9      | 3.7                       | 5.7          | 3.1                         | 3.4           | -5.7                    | 6.7      | 5.3                       | 7.6          |
| JUL.      | 0.8                | -1.2          | -6.4                    | 3.7      | 3.3                       | 4.1          | 2.8                         | 2.7           | -5.8                    | 6.3      | 5.0                       | 7.1          |
| AGO.      | 0.6                | 1.1           | -6.6                    | 4.6      | 2.3                       | 3.4          | 2.5                         | 2.5           | -5.9                    | 6.1      | 4.7                       | 6.6          |
| SET.      | 0.2                | 1.0           | -5.9                    | 3.8      | 0.3                       | 2.8          | 2.2                         | 2.4           | -5.9                    | 5.8      | 4.2                       | 6.1          |
| OCT.      | 0.2                | 0.7           | -5.4                    | 3.8      | -1.8                      | 2.8          | 2.0                         | 2.2           | -5.9                    | 5.6      | 3.5                       | 5.8          |
| NOV.      | -0.4               | -1.0          | -6.7                    | 3.5      | -2.9                      | 2.7          | 1.8                         | 1.9           | -5.9                    | 5.4      | 2.9                       | 5.5          |
| DIC.      | -0.2               | 3.4           | -6.2                    | 1.8      | -2.8                      | 3.4          | 1.6                         | 2.0           | -6.0                    | 5.1      | 2.4                       | 5.3          |
| 2010 ENE. | 0.5                | 2.4           | -4.4                    | 3.3      | -2.4                      | 3.4          | 0.5                         | 2.4           | -4.4                    | 3.3      | -2.4                      | 3.4          |
| FEB.      | 1.8                | 7.0           | -2.1                    | 4.2      | -2.3                      | 4.5          | 1.1                         | 4.7           | -3.2                    | 3.7      | -2.3                      | 3.9          |
| MAR.      | 2.9                | 12.7          | -0.1                    | 4.6      | -1.7                      | 4.9          | 1.7                         | 7.3           | -2.2                    | 4.0      | -2.1                      | 4.3          |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |               |                         |          |                           |              | VARIACIÓN PROMEDIO ANUAL 2/ |               |                         |          |                           |              |
|-----------|--------------------|---------------|-------------------------|----------|---------------------------|--------------|-----------------------------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total              | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ | Total                       | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ |
| ABR.      | 3.0                | 14.5          | 1.2                     | 5.0      | -2.0                      | 3.8          | 2.0                         | 9.0           | -1.4                    | 4.3      | -2.1                      | 4.1          |
| MAY.      | 4.0                | 16.7          | 2.5                     | 6.7      | -0.4                      | 4.0          | 2.4                         | 10.6          | -0.6                    | 4.7      | -1.8                      | 4.1          |
| JUN.      | 4.5                | 21.2          | 3.4                     | 6.4      | 1.2                       | 4.2          | 2.8                         | 12.4          | 0.1                     | 5.0      | -1.3                      | 4.1          |
| JUL.      | 4.8                | 20.7          | 4.1                     | 7.1      | -0.3                      | 4.5          | 3.1                         | 13.6          | 0.6                     | 5.3      | -1.1                      | 4.2          |
| AGO.      | 5.0                | 21.6          | 5.5                     | 7.5      | -0.4                      | 4.0          | 3.3                         | 14.6          | 1.2                     | 5.6      | -1.0                      | 4.2          |
| SET.      | 5.3                | 20.9          | 5.5                     | 8.3      | 1.6                       | 4.1          | 3.5                         | 15.3          | 1.7                     | 5.9      | -0.7                      | 4.2          |
| OCT.      | 5.6                | 21.9          | 5.7                     | 9.0      | 2.9                       | 3.9          | 3.8                         | 15.9          | 2.1                     | 6.2      | -0.4                      | 4.1          |
| NOV.      | 5.5                | 19.7          | 5.2                     | 8.1      | 3.7                       | 4.3          | 3.9                         | 16.3          | 2.4                     | 6.4      | 0.0                       | 4.1          |
| DIC.      | 5.2                | 9.4           | 6.2                     | 8.0      | 3.5                       | 3.5          | 4.0                         | 15.6          | 2.7                     | 6.5      | 0.3                       | 4.1          |
| 2011 ENE. | 5.7                | 13.6          | 6.7                     | 7.7      | 3.6                       | 4.2          | 5.7                         | 13.6          | 6.7                     | 7.7      | 3.6                       | 4.2          |
| FEB.      | 5.5                | 12.5          | 7.5                     | 6.6      | 4.2                       | 3.9          | 5.6                         | 13.1          | 7.1                     | 7.2      | 3.9                       | 4.0          |
| MAR.      | 5.4                | 8.9           | 6.6                     | 7.0      | 3.8                       | 4.3          | 5.5                         | 11.7          | 6.9                     | 7.1      | 3.9                       | 4.1          |
| ABR.      | 5.9                | 8.2           | 8.0                     | 6.9      | 2.8                       | 5.0          | 5.6                         | 10.8          | 7.2                     | 7.1      | 3.6                       | 4.3          |
| MAY.      | 5.6                | 2.0           | 8.2                     | 6.6      | 1.9                       | 4.6          | 5.6                         | 8.9           | 7.4                     | 7.0      | 3.2                       | 4.4          |
| JUN.      | 5.1                | 0.3           | 7.0                     | 6.6      | 1.4                       | 4.5          | 5.5                         | 7.4           | 7.3                     | 6.9      | 2.9                       | 4.4          |
| JUL.      | 5.2                | 0.7           | 7.2                     | 5.8      | 2.3                       | 4.6          | 5.5                         | 6.3           | 7.3                     | 6.8      | 2.8                       | 4.4          |
| AGO.      | 5.7                | 3.7           | 6.6                     | 6.4      | 3.7                       | 5.4          | 5.5                         | 6.0           | 7.2                     | 6.7      | 2.9                       | 4.6          |
| SET.      | 5.5                | 3.2           | 6.5                     | 5.0      | 2.4                       | 5.9          | 5.5                         | 5.7           | 7.1                     | 6.5      | 2.9                       | 4.7          |
| OCT.      | 5.2                | 1.9           | 6.2                     | 4.4      | 3.2                       | 5.6          | 5.5                         | 5.3           | 7.0                     | 6.3      | 2.9                       | 4.8          |
| NOV.      | 5.4                | 3.9           | 5.8                     | 5.4      | 2.8                       | 5.7          | 5.5                         | 5.1           | 6.9                     | 6.2      | 2.9                       | 4.9          |
| DIC.      | 5.0                | 4.3           | 4.4                     | 5.6      | 3.4                       | 5.5          | 5.4                         | 5.1           | 6.7                     | 6.2      | 2.9                       | 4.9          |
| 2012 ENE. | 4.4                | 4.0           | 3.9                     | 3.4      | 3.7                       | 5.2          | 4.4                         | 4.0           | 3.9                     | 3.4      | 3.7                       | 5.2          |
| FEB.      | 4.0                | 6.8           | 2.6                     | 3.4      | 4.8                       | 4.8          | 4.2                         | 5.4           | 3.3                     | 3.4      | 4.2                       | 5.0          |
| MAR.      | 4.1                | 7.7           | 1.9                     | 3.0      | 3.2                       | 5.8          | 4.2                         | 6.2           | 2.8                     | 3.2      | 3.9                       | 5.3          |
| ABR.      | 3.7                | 7.7           | 0.4                     | 3.2      | 4.4                       | 5.3          | 4.0                         | 6.5           | 2.2                     | 3.2      | 4.0                       | 5.3          |
| MAY.      | 4.2                | 9.3           | 0.0                     | 3.7      | 6.2                       | 6.1          | 4.1                         | 7.1           | 1.7                     | 3.3      | 4.5                       | 5.5          |
| JUN.      | 4.5                | 8.9           | 0.7                     | 3.0      | 6.4                       | 6.5          | 4.1                         | 7.4           | 1.6                     | 3.3      | 4.8                       | 5.6          |
| JUL.      | 4.5                | 7.4           | 0.5                     | 3.0      | 6.6                       | 6.7          | 4.2                         | 7.4           | 1.4                     | 3.2      | 5.1                       | 5.8          |
| AGO.      | 4.4                | 7.1           | 0.9                     | 2.3      | 5.0                       | 6.9          | 4.2                         | 7.3           | 1.3                     | 3.1      | 5.0                       | 5.9          |
| SET.      | 4.5                | 8.1           | 1.2                     | 2.9      | 5.1                       | 6.7          | 4.3                         | 7.4           | 1.3                     | 3.1      | 5.1                       | 6.0          |
| OCT.      | 4.0                | 6.5           | 0.5                     | 2.5      | 3.4                       | 6.4          | 4.2                         | 7.3           | 1.2                     | 3.0      | 4.9                       | 6.1          |
| NOV.      | 4.1                | 6.1           | 0.9                     | 2.9      | 4.2                       | 6.1          | 4.2                         | 7.2           | 1.2                     | 3.0      | 4.8                       | 6.1          |
| DIC.      | 4.3                | 5.5           | 0.9                     | 3.3      | 3.8                       | 6.4          | 4.2                         | 7.1           | 1.2                     | 3.0      | 4.7                       | 6.1          |
| 2013 ENE. | 4.2                | 7.1           | 0.5                     | 4.2      | 2.9                       | 6.4          | 4.2                         | 7.1           | 0.5                     | 4.2      | 2.9                       | 6.4          |
| FEB.      | 4.4                | 3.6           | 2.0                     | 5.0      | 0.7                       | 6.4          | 4.3                         | 5.3           | 1.3                     | 4.6      | 1.8                       | 6.4          |
| MAR.      | 4.1                | -0.2          | 1.9                     | 5.3      | 2.6                       | 5.2          | 4.3                         | 3.4           | 1.5                     | 4.8      | 2.0                       | 6.0          |
| ABR.      | 4.4                | -1.2          | 2.4                     | 5.6      | 2.1                       | 5.5          | 4.3                         | 2.2           | 1.7                     | 5.0      | 2.1                       | 5.9          |
| MAY.      | 3.7                | -1.7          | 1.9                     | 4.7      | 1.0                       | 4.9          | 4.2                         | 1.4           | 1.8                     | 5.0      | 1.9                       | 5.7          |
| JUN.      | 3.4                | -0.8          | 1.3                     | 6.0      | 0.3                       | 4.3          | 4.0                         | 1.1           | 1.7                     | 5.1      | 1.6                       | 5.4          |
| JUL.      | 3.1                | 0.3           | 1.4                     | 6.1      | 1.1                       | 3.4          | 3.9                         | 0.9           | 1.6                     | 5.3      | 1.5                       | 5.1          |
| AGO.      | 3.1                | -1.9          | 0.9                     | 5.3      | 1.7                       | 3.7          | 3.8                         | 0.6           | 1.5                     | 5.3      | 1.5                       | 4.9          |
| SET.      | 2.5                | -3.3          | 0.6                     | 5.1      | 2.6                       | 2.7          | 3.6                         | 0.1           | 1.4                     | 5.3      | 1.7                       | 4.7          |
| OCT.      | 3.5                | -1.0          | 1.0                     | 6.4      | 5.3                       | 3.4          | 3.6                         | 0.0           | 1.4                     | 5.4      | 2.0                       | 4.5          |
| NOV.      | 3.3                | -1.7          | 1.6                     | 5.7      | 4.9                       | 3.1          | 3.6                         | -0.1          | 1.4                     | 5.4      | 2.3                       | 4.4          |
| DIC.      | 2.6                | -1.7          | 0.6                     | 5.5      | 3.7                       | 2.4          | 3.5                         | -0.3          | 1.3                     | 5.4      | 2.4                       | 4.2          |
| 2014 ENE. | 2.2                | -2.3          | -0.7                    | 5.6      | 3.8                       | 2.3          | 2.2                         | -2.3          | -0.7                    | 5.6      | 3.8                       | 2.3          |
| FEB.      | 2.0                | -3.1          | -1.3                    | 4.1      | 3.9                       | 2.6          | 2.1                         | -2.7          | -1.0                    | 4.9      | 3.8                       | 2.4          |
| MAR.      | 1.8                | -1.6          | -0.8                    | 4.1      | 3.1                       | 2.0          | 2.0                         | -2.3          | -0.9                    | 4.6      | 3.6                       | 2.3          |
| ABR.      | 1.9                | -1.9          | -1.2                    | 4.9      | 3.5                       | 2.3          | 2.0                         | -2.2          | -1.0                    | 4.7      | 3.6                       | 2.3          |
| MAY.      | 2.1                | -0.6          | -0.3                    | 4.0      | 3.7                       | 2.5          | 2.0                         | -1.9          | -0.8                    | 4.5      | 3.6                       | 2.3          |
| JUN.      | 2.2                | -1.2          | -0.1                    | 3.5      | 3.4                       | 2.8          | 2.0                         | -1.8          | -0.7                    | 4.4      | 3.6                       | 2.4          |
| JUL.      | 1.8                | -2.5          | -1.1                    | 2.7      | 2.8                       | 3.0          | 2.0                         | -1.9          | -0.8                    | 4.1      | 3.4                       | 2.5          |
| AGO.      | 1.9                | -1.0          | -1.4                    | 3.0      | 3.4                       | 2.9          | 2.0                         | -1.8          | -0.9                    | 4.0      | 3.4                       | 2.6          |
| SET.      | 2.3                | -1.1          | -1.3                    | 3.5      | 2.2                       | 4.0          | 2.0                         | -1.7          | -0.9                    | 3.9      | 3.3                       | 2.7          |
| OCT.      | 1.5                | -1.4          | -1.6                    | 1.4      | 1.4                       | 3.2          | 2.0                         | -1.7          | -1.0                    | 3.7      | 3.1                       | 2.8          |
| NOV.      | 1.5                | -1.0          | -1.3                    | 0.6      | 1.2                       | 3.4          | 1.9                         | -1.6          | -1.0                    | 3.4      | 2.9                       | 2.8          |
| DIC.      | 1.6                | -2.6          | -0.8                    | -0.1     | 1.6                       | 3.8          | 1.9                         | -1.7          | -1.0                    | 3.1      | 2.8                       | 2.9          |
| 2015 ENE. | 1.3                | -3.8          | -0.5                    | 0.5      | 1.1                       | 3.0          | 1.3                         | -3.8          | -0.5                    | 0.5      | 1.1                       | 3.0          |
| FEB.      | 1.4                | -3.1          | -0.3                    | 0.1      | 1.1                       | 3.0          | 1.3                         | -3.4          | -0.4                    | 0.3      | 1.1                       | 3.0          |
| MAR.      | 1.2                | -3.3          | -1.0                    | -0.1     | 1.1                       | 3.1          | 1.3                         | -3.4          | -0.6                    | 0.2      | 1.1                       | 3.0          |
| ABR.      | 1.0                | -2.9          | -0.8                    | -0.6     | 0.7                       | 2.9          | 1.2                         | -3.3          | -0.7                    | 0.0      | 1.0                       | 3.0          |
| MAY.      | 0.9                | -1.9          | -1.5                    | -0.3     | 0.1                       | 2.8          | 1.1                         | -3.0          | -0.8                    | -0.1     | 0.8                       | 3.0          |
| JUN.      | 0.5                | -3.0          | -3.0                    | 0.0      | -0.2                      | 2.6          | 1.0                         | -3.0          | -1.2                    | -0.1     | 0.7                       | 2.9          |
| JUL.      | 0.7                | -2.0          | -2.3                    | 0.6      | -0.5                      | 2.6          | 1.0                         | -2.8          | -1.3                    | 0.0      | 0.5                       | 2.8          |
| AGO.      | 0.8                | -3.5          | -2.4                    | 1.1      | -1.3                      | 2.9          | 1.0                         | -2.9          | -1.5                    | 0.2      | 0.3                       | 2.8          |
| SET.      | 0.6                | -3.3          | -2.2                    | -0.5     | 5.2                       | 1.8          | 0.9                         | -3.0          | -1.6                    | 0.1      | 0.8                       | 2.7          |
| OCT.      | 1.1                | -4.3          | -2.3                    | 2.1      | 5.4                       | 1.9          | 0.9                         | -3.1          | -1.6                    | 0.3      | 1.3                       | 2.6          |
| NOV.      | 0.7                | -5.9          | -2.7                    | 3.0      | 5.5                       | 0.8          | 0.9                         | -3.4          | -1.7                    | 0.5      | 1.7                       | 2.5          |
| DIC.      | 0.0                | -4.4          | -3.4                    | 2.5      | 1.2                       | 0.8          | 0.8                         | -3.4          | -1.9                    | 0.7      | 1.6                       | 2.3          |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |               |                         |          |                           |              | VARIACIÓN PROMEDIO ANUAL 2/ |               |                         |          |                           |              |
|-----------|--------------------|---------------|-------------------------|----------|---------------------------|--------------|-----------------------------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total              | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ | Total                       | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ |
| 2016 ENE. | 0.4                | -4.0          | -2.9                    | 2.4      | 1.1                       | 1.4          | 0.4                         | -4.0          | -2.9                    | 2.4      | 1.1                       | 1.4          |
| FEB.      | 0.4                | -3.9          | -3.0                    | 3.2      | 0.9                       | 1.1          | 0.4                         | -4.0          | -3.0                    | 2.8      | 1.0                       | 1.2          |
| MAR.      | 0.7                | -4.2          | -2.8                    | 3.4      | 0.8                       | 1.6          | 0.5                         | -4.0          | -2.9                    | 3.0      | 1.0                       | 1.4          |
| ABR.      | 0.1                | -4.0          | -2.8                    | 3.9      | 1.7                       | -0.2         | 0.4                         | -4.0          | -2.9                    | 3.3      | 1.1                       | 1.0          |
| MAY.      | 0.2                | -6.4          | -3.4                    | 4.5      | 1.3                       | 0.3          | 0.4                         | -4.5          | -3.0                    | 3.5      | 1.2                       | 0.8          |
| JUN.      | 0.3                | -5.2          | -2.3                    | 3.7      | 1.7                       | 0.2          | 0.3                         | -4.6          | -2.9                    | 3.5      | 1.3                       | 0.7          |
| JUL.      | 0.3                | -4.8          | -2.7                    | 3.5      | 1.7                       | 0.4          | 0.3                         | -4.7          | -2.9                    | 3.5      | 1.3                       | 0.7          |
| AGO.      | 0.5                | -5.1          | -1.7                    | 2.9      | 1.3                       | 0.7          | 0.4                         | -4.7          | -2.7                    | 3.5      | 1.3                       | 0.7          |
| SET.      | 0.3                | -5.1          | -1.9                    | 3.6      | -4.8                      | 1.2          | 0.4                         | -4.8          | -2.6                    | 3.5      | 0.6                       | 0.7          |
| OCT.      | -0.4               | -4.2          | -1.7                    | 2.4      | -5.5                      | 0.3          | 0.3                         | -4.7          | -2.5                    | 3.4      | 0.0                       | 0.7          |
| NOV.      | -0.1               | -2.6          | -2.1                    | 2.1      | -5.6                      | 1.1          | 0.2                         | -4.5          | -2.5                    | 3.2      | -0.6                      | 0.7          |
| DIC.      | 0.3                | -1.6          | -1.7                    | 3.4      | -2.5                      | 0.7          | 0.2                         | -4.3          | -2.4                    | 3.3      | -0.7                      | 0.7          |
| 2017 ENE. | 0.5                | -1.5          | -1.7                    | 2.8      | -2.3                      | 1.2          | 0.5                         | -1.5          | -1.7                    | 2.8      | -2.3                      | 1.2          |
| FEB.      | 0.3                | -1.2          | -1.5                    | 1.0      | -1.6                      | 1.2          | 0.4                         | -1.3          | -1.6                    | 1.9      | -2.0                      | 1.2          |
| MAR.      | -0.3               | -0.6          | -2.0                    | 0.8      | -1.7                      | 0.2          | 0.1                         | -1.1          | -1.7                    | 1.5      | -1.9                      | 0.9          |
| ABR.      | 0.0                | 0.2           | -2.4                    | -0.2     | -2.9                      | 1.8          | 0.1                         | -0.8          | -1.9                    | 1.1      | -2.1                      | 1.1          |
| MAY.      | -0.1               | -1.3          | -1.5                    | -0.4     | -3.2                      | 1.2          | 0.1                         | -0.9          | -1.8                    | 0.8      | -2.3                      | 1.1          |
| JUN.      | -0.5               | -2.4          | -1.7                    | -1.3     | -3.7                      | 1.2          | 0.0                         | -1.1          | -1.8                    | 0.4      | -2.6                      | 1.1          |
| JUL.      | -0.8               | -3.0          | -1.8                    | -0.9     | -3.6                      | 0.3          | -0.1                        | -1.4          | -1.8                    | 0.2      | -2.7                      | 1.0          |
| AGO.      | -0.8               | -2.4          | -2.3                    | -0.1     | -2.3                      | 0.0          | -0.2                        | -1.5          | -1.9                    | 0.2      | -2.7                      | 0.9          |
| SET.      | -1.0               | -2.5          | -2.3                    | 0.2      | -2.1                      | -0.7         | -0.3                        | -1.6          | -1.9                    | 0.2      | -2.6                      | 0.7          |
| OCT.      | -1.0               | -3.0          | -2.7                    | -0.5     | -1.8                      | -0.2         | -0.4                        | -1.8          | -2.0                    | 0.1      | -2.5                      | 0.6          |
| NOV.      | -1.3               | -2.6          | -2.7                    | -0.9     | -1.6                      | -0.6         | -0.5                        | -1.8          | -2.1                    | 0.0      | -2.4                      | 0.5          |
| DIC.      | -1.3               | -5.0          | -3.0                    | -1.4     | -0.4                      | -0.4         | -0.5                        | -2.1          | -2.1                    | -0.1     | -2.3                      | 0.4          |
| 2018 ENE. | -0.7               | -5.0          | -2.7                    | -1.2     | -0.6                      | 0.6          | -0.7                        | -5.0          | -2.7                    | -1.2     | -0.6                      | 0.6          |
| FEB.      | -0.5               | -4.3          | -2.4                    | 1.1      | 0.1                       | -0.3         | -0.6                        | -4.6          | -2.5                    | -0.1     | -0.3                      | 0.2          |
| MAR.      | -0.1               | -5.3          | -2.3                    | 1.4      | 0.1                       | 0.3          | -0.5                        | -4.8          | -2.4                    | 0.4      | -0.1                      | 0.2          |
| ABR.      | -0.5               | -4.6          | -2.3                    | 0.8      | 1.0                       | -0.3         | -0.5                        | -4.8          | -2.4                    | 0.5      | 0.2                       | 0.1          |
| MAY.      | 0.0                | -2.9          | -2.4                    | 0.9      | 1.9                       | 0.5          | -0.4                        | -4.4          | -2.4                    | 0.6      | 0.5                       | 0.2          |
| JUN.      | -0.1               | -2.2          | -2.4                    | 0.8      | 1.8                       | 0.3          | -0.3                        | -4.1          | -2.4                    | 0.6      | 0.7                       | 0.2          |
| JUL.      | -0.3               | -2.1          | -2.7                    | 0.4      | 2.0                       | 0.2          | -0.3                        | -3.8          | -2.4                    | 0.6      | 0.9                       | 0.2          |
| AGO.      | -0.2               | -1.8          | -2.0                    | 0.2      | 1.1                       | 0.1          | -0.3                        | -3.5          | -2.4                    | 0.5      | 0.9                       | 0.2          |
| SET.      | -0.1               | -1.3          | -2.1                    | -0.4     | 1.2                       | 0.7          | -0.3                        | -3.3          | -2.4                    | 0.4      | 1.0                       | 0.2          |
| OCT.      | 0.1                | -1.5          | -2.1                    | -0.2     | 0.8                       | 1.2          | -0.2                        | -3.1          | -2.3                    | 0.4      | 0.9                       | 0.3          |
| NOV.      | 0.6                | -1.9          | -1.8                    | 0.3      | 0.4                       | 1.9          | -0.2                        | -3.0          | -2.3                    | 0.4      | 0.9                       | 0.5          |
| DIC.      | 0.7                | -1.0          | -1.5                    | 0.0      | 1.9                       | 1.8          | -0.1                        | -2.8          | -2.2                    | 0.3      | 1.0                       | 0.6          |
| 2019 ENE. | 0.3                | 0.0           | -2.0                    | -0.5     | 2.2                       | 1.3          | 0.3                         | 0.0           | -2.0                    | -0.5     | 2.2                       | 1.3          |
| FEB.      | 0.2                | -1.3          | -2.1                    | 0.5      | 1.0                       | 1.1          | 0.3                         | -0.7          | -2.0                    | 0.0      | 1.6                       | 1.2          |
| MAR.      | 0.5                | 0.9           | -1.4                    | 0.5      | 1.1                       | 1.2          | 0.3                         | -0.1          | -1.8                    | 0.2      | 1.4                       | 1.2          |
| ABR.      | 0.6                | 0.7           | -1.4                    | 0.4      | 0.6                       | 1.5          | 0.4                         | 0.1           | -1.7                    | 0.2      | 1.2                       | 1.3          |
| MAY.      | 0.2                | 0.6           | -2.0                    | 0.4      | 0.3                       | 1.1          | 0.4                         | 0.2           | -1.8                    | 0.3      | 1.0                       | 1.2          |
| JUN.      | 0.3                | 0.7           | -2.3                    | 0.7      | 0.8                       | 1.2          | 0.4                         | 0.3           | -1.9                    | 0.3      | 1.0                       | 1.2          |
| JUL.      | 0.4                | 0.2           | -1.9                    | 1.2      | 0.7                       | 1.0          | 0.4                         | 0.3           | -1.9                    | 0.4      | 0.9                       | 1.2          |
| AGO. P    | 0.6                | -0.6          | -1.5                    | 1.2      | 0.4                       | 1.4          | 0.4                         | 0.2           | -1.8                    | 0.5      | 0.9                       | 1.2          |

**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao. La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en octubre 1998.

1/ Variación porcentual respecto al mismo mes del año anterior.

2/ Variación porcentual de un periodo comprendido desde enero hasta el mes de referencia del año corriente respecto al mismo periodo del año anterior.

3/ Conformada por las subramas agricultura, pesca y minería.

4/ Conformada por las subramas servicios prestados a empresas, restaurantes y hoteles, establecimientos financieros, enseñanza, servicios sociales y comunales; y electricidad, gas y agua.

P/ Cifras preliminares.

**Fuente:** MTPE – Encuesta Nacional de Variación Mensual del Empleo (ENVME).

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                  |                            |          |                                 |                 | VARIACIÓN PROMEDIO ANUAL 2/ |                  |                            |          |                                 |              |
|-----------|--------------------|------------------|----------------------------|----------|---------------------------------|-----------------|-----------------------------|------------------|----------------------------|----------|---------------------------------|--------------|
|           | Total              | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp.,<br>almac., y<br>comun. | Servicios<br>4/ | Total                       | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp.,<br>almac., y<br>comun. | Servicios 4/ |
| 1998 OCT. | -1.4               | 2.4              | 3.9                        | -7.8     | -9.3                            | 0.9             | 0.7                         | 5.8              | 2.9                        | -3.5     | -3.2                            | 2.6          |
| NOV.      | -4.8               | -1.3             | -1.6                       | -10.3    | -12.6                           | -1.9            | -0.2                        | 3.0              | 2.5                        | -4.1     | -4.8                            | 1.6          |
| DIC.      | -6.3               | -1.9             | -4.5                       | -10.4    | -14.5                           | -3.1            | -1.0                        | 2.1              | 1.3                        | -4.8     | -5.9                            | 0.8          |
| 1999 ENE. | -8.4               | -6.7             | -6.9                       | -11.6    | -17.8                           | -4.7            | -8.4                        | -6.7             | -6.9                       | -11.6    | -17.8                           | -4.7         |
| FEB.      | -10.7              | -3.9             | -7.1                       | -13.6    | -20.5                           | -9.2            | -9.6                        | -5.3             | -7.0                       | -12.6    | -19.2                           | -7.0         |
| MAR.      | -11.7              | -12.7            | -9.5                       | -13.6    | -22.7                           | -8.3            | -10.3                       | -7.8             | -7.8                       | -12.9    | -20.3                           | -7.4         |
| ABR.      | -13.1              | -8.6             | -11.0                      | -15.1    | -26.1                           | -9.4            | -11.0                       | -8.0             | -8.6                       | -13.5    | -21.8                           | -8.0         |
| MAY.      | -13.1              | -3.5             | -11.1                      | -17.2    | -27.3                           | -8.5            | -11.4                       | -7.1             | -9.1                       | -14.2    | -22.9                           | -8.1         |
| JUN.      | -12.8              | -13.1            | -11.1                      | -18.5    | -16.6                           | -9.6            | -11.6                       | -8.1             | -9.4                       | -14.9    | -22.0                           | -8.3         |
| JUL.      | -15.2              | -22.1            | -16.8                      | -19.8    | -20.3                           | -8.6            | -12.1                       | -10.3            | -10.5                      | -15.6    | -21.8                           | -8.4         |
| AGO.      | -15.2              | -22.8            | -17.2                      | -19.6    | -22.4                           | -7.8            | -12.5                       | -12.0            | -11.4                      | -16.1    | -21.8                           | -8.3         |
| SET.      | -14.9              | -15.5            | -16.2                      | -20.5    | -23.5                           | -7.5            | -12.8                       | -12.4            | -11.9                      | -16.6    | -22.0                           | -8.2         |
| OCT.      | -14.4              | -13.1            | -17.2                      | -19.9    | -21.4                           | -6.5            | -12.9                       | -12.4            | -12.4                      | -16.9    | -22.0                           | -8.0         |
| NOV.      | -12.2              | -7.0             | -12.2                      | -19.1    | -20.9                           | -5.5            | -12.9                       | -12.0            | -12.4                      | -17.1    | -21.9                           | -7.8         |
| DIC.      | -11.6              | -7.1             | -10.9                      | -18.9    | -19.2                           | -5.7            | -12.8                       | -11.6            | -12.3                      | -17.2    | -21.7                           | -7.6         |
| 2000 ENE. | -11.3              | -13.3            | -11.0                      | -18.6    | -17.2                           | -5.0            | -11.3                       | -13.3            | -11.0                      | -18.6    | -17.2                           | -5.0         |
| FEB.      | -10.4              | -14.2            | -12.1                      | -15.8    | -9.4                            | -5.5            | -10.9                       | -13.7            | -11.6                      | -17.2    | -13.4                           | -5.2         |
| MAR.      | -9.0               | -10.0            | -10.1                      | -15.3    | -5.5                            | -4.8            | -10.2                       | -12.5            | -11.1                      | -16.6    | -10.8                           | -5.1         |
| ABR.      | -7.8               | -7.5             | -7.4                       | -14.4    | -2.6                            | -5.3            | -9.7                        | -11.3            | -10.2                      | -16.0    | -8.9                            | -5.1         |
| MAY.      | -7.3               | -13.1            | -6.3                       | -12.7    | -4.5                            | -4.6            | -9.2                        | -11.7            | -9.5                       | -15.4    | -8.0                            | -5.0         |
| JUN.      | -5.6               | 3.0              | -4.7                       | -11.1    | -2.0                            | -4.2            | -8.6                        | -9.3             | -8.7                       | -14.7    | -7.1                            | -4.9         |
| JUL.      | -5.2               | 7.7              | -4.4                       | -10.3    | -1.4                            | -4.5            | -8.1                        | -7.0             | -8.1                       | -14.1    | -6.3                            | -4.8         |
| AGO.      | -5.6               | 1.3              | -3.8                       | -11.7    | -0.3                            | -4.7            | -7.8                        | -6.1             | -7.6                       | -13.9    | -5.6                            | -4.8         |
| SET.      | -6.0               | 0.2              | -5.4                       | -10.6    | -2.8                            | -4.7            | -7.6                        | -5.4             | -7.4                       | -13.5    | -5.3                            | -4.8         |
| OCT.      | -5.6               | 0.2              | -4.7                       | -8.5     | -5.0                            | -5.1            | -7.4                        | -4.9             | -7.1                       | -13.1    | -5.3                            | -4.8         |
| NOV.      | -5.8               | -1.9             | -5.5                       | -8.8     | -4.7                            | -4.7            | -7.3                        | -4.6             | -7.0                       | -12.7    | -5.2                            | -4.8         |
| DIC.      | -7.0               | 2.2              | -7.6                       | -11.7    | -5.1                            | -4.8            | -7.3                        | -4.0             | -7.0                       | -12.6    | -5.2                            | -4.8         |
| 2001 ENE. | -6.2               | 8.9              | -5.4                       | -12.3    | -2.9                            | -4.8            | -6.2                        | 8.9              | -5.4                       | -12.3    | -2.9                            | -4.8         |
| FEB.      | -5.4               | 3.4              | -2.7                       | -13.7    | -7.4                            | -2.2            | -5.8                        | 6.2              | -4.1                       | -13.0    | -5.2                            | -3.5         |
| MAR.      | -5.0               | 9.6              | -2.4                       | -12.1    | -7.3                            | -3.0            | -5.5                        | 7.3              | -3.5                       | -12.7    | -5.9                            | -3.4         |
| ABR.      | -4.4               | 7.8              | -2.4                       | -9.9     | -7.6                            | -2.9            | -5.2                        | 7.4              | -3.2                       | -12.0    | -6.3                            | -3.2         |
| MAY.      | -4.2               | 20.6             | -3.1                       | -10.5    | -2.6                            | -3.6            | -5.0                        | 9.9              | -3.2                       | -11.7    | -5.6                            | -3.3         |
| JUN.      | -5.8               | 3.1              | -4.5                       | -11.4    | -8.6                            | -3.3            | -5.2                        | 8.7              | -3.4                       | -11.7    | -6.1                            | -3.3         |
| JUL.      | -6.1               | 3.1              | -3.7                       | -12.1    | -6.6                            | -4.7            | -5.3                        | 7.8              | -3.5                       | -11.7    | -6.2                            | -3.5         |
| AGO.      | -4.4               | 9.8              | -0.6                       | -9.9     | -3.7                            | -4.9            | -5.2                        | 8.1              | -3.1                       | -11.5    | -5.9                            | -3.7         |
| SET.      | -3.9               | 6.9              | -0.2                       | -8.5     | -1.0                            | -5.3            | -5.0                        | 7.9              | -2.8                       | -11.2    | -5.4                            | -3.9         |
| OCT.      | -3.4               | 7.9              | 1.3                        | -9.2     | 0.7                             | -5.0            | -4.9                        | 7.9              | -2.4                       | -11.0    | -4.8                            | -4.0         |
| NOV.      | -3.8               | 2.9              | 1.9                        | -8.7     | 1.7                             | -6.5            | -4.8                        | 7.4              | -2.0                       | -10.8    | -4.2                            | -4.2         |
| DIC.      | -3.3               | -2.3             | 3.1                        | -6.9     | 1.0                             | -6.5            | -4.7                        | 6.6              | -1.6                       | -10.5    | -3.8                            | -4.4         |
| 2002 ENE. | -4.7               | -3.0             | 0.9                        | -6.5     | 0.7                             | -8.5            | -4.7                        | -3.0             | 0.9                        | -6.5     | 0.7                             | -8.5         |
| FEB.      | -5.1               | 4.4              | 0.8                        | -6.9     | 0.4                             | -9.8            | -4.9                        | 0.6              | 0.8                        | -6.7     | 0.5                             | -9.2         |
| MAR.      | -5.1               | -1.4             | 1.6                        | -7.3     | -0.3                            | -9.5            | -5.0                        | -0.1             | 1.1                        | -6.9     | 0.3                             | -9.3         |
| ABR.      | -3.2               | 2.4              | 0.7                        | -6.4     | 2.6                             | -5.6            | -4.5                        | 0.5              | 1.0                        | -6.8     | 0.8                             | -8.3         |
| MAY.      | -2.5               | -6.8             | 2.4                        | -4.7     | -0.2                            | -4.6            | -4.1                        | -1.0             | 1.3                        | -6.4     | 0.6                             | -7.6         |
| JUN.      | -0.9               | -4.5             | 5.4                        | -3.1     | 2.4                             | -4.1            | -3.6                        | -1.6             | 2.0                        | -5.8     | 0.9                             | -7.0         |
| JUL.      | -0.4               | -4.0             | 3.9                        | -0.9     | 1.0                             | -3.1            | -3.1                        | -2.0             | 2.2                        | -5.2     | 0.9                             | -6.4         |
| AGO.      | -1.4               | -5.4             | -0.5                       | -0.4     | 0.0                             | -2.7            | -2.9                        | -2.4             | 1.9                        | -4.6     | 0.8                             | -6.0         |
| SET.      | -1.0               | -7.5             | 0.0                        | -0.6     | 2.2                             | -2.2            | -2.7                        | -3.0             | 1.7                        | -4.1     | 1.0                             | -5.6         |
| OCT.      | -0.8               | -6.8             | 0.2                        | -1.6     | 3.4                             | -1.6            | -2.5                        | -3.4             | 1.5                        | -3.9     | 1.2                             | -5.2         |
| NOV.      | 0.4                | -6.4             | 1.6                        | -0.8     | 2.2                             | 0.4             | -2.3                        | -3.6             | 1.5                        | -3.6     | 1.3                             | -4.7         |
| DIC.      | 1.0                | -2.6             | 1.3                        | 0.0      | 3.6                             | 1.1             | -2.0                        | -3.6             | 1.5                        | -3.3     | 1.5                             | -4.2         |
| 2003 ENE. | 1.1                | 1.1              | 0.3                        | 2.3      | 4.6                             | 0.2             | 1.1                         | 1.1              | 0.3                        | 2.3      | 4.6                             | 0.2          |
| FEB.      | 1.7                | -2.2             | 1.5                        | 2.3      | 4.2                             | 1.1             | 1.4                         | -0.6             | 0.9                        | 2.3      | 4.4                             | 0.7          |
| MAR.      | 1.7                | 1.8              | 1.3                        | 3.1      | 2.0                             | 1.0             | 1.5                         | 0.2              | 1.0                        | 2.6      | 3.6                             | 0.8          |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES |      | VARIACIÓN ANUAL 1/ |               |                         |          |                           |              | VARIACIÓN PROMEDIO ANUAL 2/ |               |                         |          |                           |              |
|-----------|------|--------------------|---------------|-------------------------|----------|---------------------------|--------------|-----------------------------|---------------|-------------------------|----------|---------------------------|--------------|
|           |      | Total              | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ | Total                       | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ |
| 2004      | ABR. | 1.4                | -3.3          | 1.2                     | 2.8      | 1.3                       | 1.0          | 1.5                         | -0.7          | 1.1                     | 2.6      | 3.0                       | 0.8          |
|           | MAY. | 0.9                | 0.1           | -0.3                    | 2.9      | 2.7                       | -0.1         | 1.4                         | -0.5          | 0.8                     | 2.7      | 2.9                       | 0.6          |
|           | JUN. | 0.3                | -3.2          | -1.2                    | 1.9      | 3.2                       | -0.3         | 1.2                         | -1.0          | 0.5                     | 2.6      | 3.0                       | 0.5          |
|           | JUL. | 0.0                | -4.2          | -0.7                    | -0.5     | 2.3                       | 0.6          | 1.0                         | -1.5          | 0.3                     | 2.1      | 2.9                       | 0.5          |
|           | AGO. | -0.1               | -3.4          | 0.2                     | -1.9     | 3.4                       | 0.1          | 0.9                         | -1.7          | 0.3                     | 1.6      | 3.0                       | 0.4          |
|           | SET. | -0.3               | -3.4          | -0.9                    | -2.6     | 6.1                       | 0.3          | 0.7                         | -1.9          | 0.1                     | 1.1      | 3.3                       | 0.4          |
|           | OCT. | 0.2                | -2.5          | 0.6                     | -1.9     | 5.6                       | 0.1          | 0.7                         | -2.0          | 0.2                     | 0.8      | 3.6                       | 0.4          |
|           | NOV. | 0.0                | 0.0           | -0.4                    | -2.1     | 5.6                       | 0.1          | 0.6                         | -1.8          | 0.1                     | 0.6      | 3.7                       | 0.4          |
|           | DIC. | 0.2                | 1.2           | -0.6                    | -1.4     | 5.0                       | 0.5          | 0.6                         | -1.5          | 0.1                     | 0.4      | 3.8                       | 0.4          |
|           | ENE. | -0.3               | 0.6           | -0.4                    | -1.9     | 0.6                       | 0.1          | -0.3                        | 0.6           | -0.4                    | -1.9     | 0.6                       | 0.1          |
|           | FEB. | -3.0               | -1.7          | -4.1                    | -4.3     | 1.0                       | -2.9         | -1.6                        | -0.5          | -2.2                    | -3.1     | 0.8                       | -1.4         |
|           | MAR. | -3.0               | 4.7           | -5.1                    | -5.0     | 1.6                       | -2.2         | -2.1                        | 1.2           | -3.2                    | -3.7     | 1.1                       | -1.6         |
| 2005      | ABR. | -0.4               | 5.0           | 2.6                     | -3.7     | -0.7                      | -0.9         | -1.7                        | 2.1           | -1.7                    | -3.7     | 0.6                       | -1.4         |
|           | MAY. | -1.5               | 6.4           | -2.1                    | -2.7     | -2.6                      | -0.7         | -1.6                        | 3.0           | -1.8                    | -3.5     | 0.0                       | -1.3         |
|           | JUN. | -2.0               | 12.3          | -3.2                    | -4.2     | -2.3                      | -0.8         | -1.7                        | 4.5           | -2.0                    | -3.6     | -0.4                      | -1.2         |
|           | JUL. | -2.3               | 15.6          | -3.6                    | -4.8     | -1.2                      | -1.5         | -1.8                        | 6.1           | -2.3                    | -3.8     | -0.5                      | -1.3         |
|           | AGO. | -2.9               | 10.6          | -4.3                    | -6.7     | -1.3                      | -1.1         | -1.9                        | 6.6           | -2.5                    | -4.2     | -0.6                      | -1.2         |
|           | SET. | -2.6               | 9.7           | -1.9                    | -6.0     | -5.6                      | -1.2         | -2.0                        | 7.0           | -2.5                    | -4.4     | -1.2                      | -1.2         |
|           | OCT. | -3.3               | 7.0           | -4.1                    | -6.2     | -6.2                      | -1.3         | -2.1                        | 7.0           | -2.6                    | -4.5     | -1.7                      | -1.2         |
|           | NOV. | -3.6               | 5.6           | -4.6                    | -5.4     | -5.8                      | -2.1         | -2.3                        | 6.9           | -2.8                    | -4.6     | -2.1                      | -1.3         |
|           | DIC. | -3.6               | 9.7           | -3.8                    | -6.3     | -5.5                      | -2.6         | -2.4                        | 7.1           | -2.9                    | -4.8     | -2.4                      | -1.4         |
|           | ENE. | -3.3               | 3.3           | -1.9                    | -6.6     | -3.5                      | -2.8         | -3.3                        | 3.3           | -1.9                    | -6.6     | -3.5                      | -2.8         |
|           | FEB. | -1.3               | 5.5           | -0.7                    | -4.3     | -2.5                      | -0.2         | -2.3                        | 4.4           | -1.3                    | -5.5     | -3.0                      | -1.5         |
|           | MAR. | -0.3               | -0.6          | 0.8                     | -5.1     | -2.1                      | 2.4          | -1.7                        | 2.7           | -0.6                    | -5.4     | -2.7                      | -0.2         |
| 2006      | ABR. | -3.1               | 0.7           | -6.7                    | -6.3     | -0.4                      | 0.5          | -2.0                        | 2.2           | -2.2                    | -5.6     | -2.1                      | 0.0          |
|           | MAY. | -0.3               | 5.7           | 1.3                     | -7.5     | 0.8                       | 2.1          | -1.7                        | 2.9           | -1.5                    | -6.0     | -1.5                      | 0.4          |
|           | JUN. | -0.8               | 2.5           | 1.2                     | -5.6     | -0.7                      | 0.4          | -1.5                        | 2.8           | -1.0                    | -5.9     | -1.4                      | 0.4          |
|           | JUL. | 0.5                | -1.5          | 3.1                     | -1.1     | -3.0                      | 0.8          | -1.2                        | 2.2           | -0.5                    | -5.2     | -1.6                      | 0.5          |
|           | AGO. | 0.9                | -5.2          | 3.4                     | 0.6      | -4.1                      | 1.4          | -1.0                        | 1.2           | 0.0                     | -4.5     | -1.9                      | 0.6          |
|           | SET. | 0.0                | -1.2          | 0.1                     | -0.9     | -2.8                      | 1.3          | -0.9                        | 1.0           | 0.0                     | -4.2     | -2.0                      | 0.7          |
|           | OCT. | 0.2                | -1.3          | -0.4                    | 0.0      | -3.6                      | 1.6          | -0.8                        | 0.7           | 0.0                     | -3.7     | -2.2                      | 0.8          |
|           | NOV. | 1.3                | -3.6          | 0.3                     | 1.9      | -3.2                      | 3.0          | -0.6                        | 0.3           | 0.0                     | -3.2     | -2.3                      | 1.0          |
|           | DIC. | 1.3                | -1.8          | 0.9                     | 2.3      | -2.0                      | 2.1          | -0.4                        | 0.2           | 0.1                     | -2.8     | -2.3                      | 1.1          |
|           | ENE. | 2.2                | -3.0          | 3.2                     | 2.2      | -1.3                      | 3.5          | 2.2                         | -3.0          | 3.2                     | 2.2      | -1.3                      | 3.5          |
|           | FEB. | 2.3                | -1.2          | 4.3                     | 0.9      | -1.6                      | 3.9          | 2.3                         | -2.1          | 3.8                     | 1.5      | -1.5                      | 3.7          |
|           | MAR. | 1.6                | -0.3          | 3.3                     | 2.2      | -5.2                      | 2.4          | 2.0                         | -1.5          | 3.6                     | 1.8      | -2.7                      | 3.2          |
| 2007      | ABR. | 2.6                | 2.5           | 5.0                     | 2.7      | -6.3                      | 3.1          | 2.2                         | -0.5          | 4.0                     | 2.0      | -3.6                      | 3.2          |
|           | MAY. | -0.2               | 1.3           | -0.5                    | 1.2      | -6.4                      | 0.6          | 1.7                         | -0.1          | 3.1                     | 1.9      | -4.2                      | 2.6          |
|           | JUN. | 1.1                | -1.8          | 1.4                     | 0.9      | -5.6                      | 3.0          | 1.6                         | -0.4          | 2.8                     | 1.7      | -4.4                      | 2.7          |
|           | JUL. | 2.5                | -2.5          | 6.8                     | 0.6      | -5.5                      | 3.2          | 1.7                         | -0.7          | 3.4                     | 1.5      | -4.6                      | 2.8          |
|           | AGO. | 1.6                | 8.3           | 4.2                     | -0.5     | -5.8                      | 2.5          | 1.7                         | 0.3           | 3.5                     | 1.3      | -4.7                      | 2.7          |
|           | SET. | 2.9                | 4.5           | 8.1                     | 1.2      | -5.8                      | 2.5          | 1.8                         | 0.8           | 4.0                     | 1.3      | -4.8                      | 2.7          |
|           | OCT. | 5.2                | 3.0           | 17.9                    | 0.5      | -4.6                      | 2.1          | 2.2                         | 1.0           | 5.4                     | 1.2      | -4.8                      | 2.6          |
|           | NOV. | 5.7                | 9.7           | 18.6                    | -0.2     | -1.1                      | 1.8          | 2.5                         | 1.8           | 6.6                     | 1.1      | -4.5                      | 2.6          |
|           | DIC. | 5.3                | 3.2           | 16.2                    | 0.5      | -3.0                      | 2.8          | 2.7                         | 1.9           | 7.4                     | 1.0      | -4.4                      | 2.6          |
|           | ENE. | 4.7                | 2.4           | 12.9                    | 1.1      | -2.9                      | 0.8          | 4.7                         | 2.4           | 12.9                    | 1.1      | -2.9                      | 0.8          |
|           | FEB. | 6.0                | -1.8          | 15.6                    | 2.9      | -4.8                      | 2.3          | 5.3                         | 0.3           | 14.2                    | 2.0      | -3.9                      | 1.5          |
|           | MAR. | 7.6                | 1.9           | 15.3                    | 4.1      | 0.2                       | 5.3          | 6.1                         | 0.8           | 14.6                    | 2.7      | -2.5                      | 2.8          |
| ABR.      | 4.0  | -2.0               | 9.5           | 1.6                     | -0.9     | 2.1                       | 5.6          | 0.1                         | 13.3          | 2.4                     | -2.1     | 2.6                       |              |
| MAY.      | 6.0  | -2.1               | 10.6          | 2.6                     | 3.6      | 4.6                       | 5.6          | -0.4                        | 12.8          | 2.5                     | -1.0     | 3.1                       |              |
| JUN.      | 6.5  | 1.9                | 8.7           | 8.7                     | 1.2      | 3.6                       | 5.8          | 0.0                         | 12.1          | 3.5                     | -0.6     | 3.2                       |              |
| JUL.      | 4.9  | -0.3               | 3.2           | 8.1                     | 1.7      | 3.6                       | 5.7          | 0.0                         | 10.7          | 4.2                     | -0.3     | 3.2                       |              |
| AGO.      | 7.8  | -1.0               | 9.1           | 11.8                    | 2.2      | 4.7                       | 5.9          | -0.1                        | 10.5          | 5.1                     | 0.0      | 3.4                       |              |
| SET.      | 7.8  | 0.9                | 8.2           | 11.4                    | 2.5      | 5.6                       | 6.1          | 0.0                         | 10.3          | 5.8                     | 0.2      | 3.7                       |              |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                  |                            |          |                                 |                 | VARIACIÓN PROMEDIO ANUAL 2/ |                  |                            |          |                                 |              |
|-----------|--------------------|------------------|----------------------------|----------|---------------------------------|-----------------|-----------------------------|------------------|----------------------------|----------|---------------------------------|--------------|
|           | Total              | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp.,<br>almac., y<br>comun. | Servicios<br>4/ | Total                       | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp.,<br>almac., y<br>comun. | Servicios 4/ |
| 2008 OCT. | 6.8                | 4.9              | 3.8                        | 10.6     | 3.2                             | 6.6             | 6.2                         | 0.5              | 9.6                        | 6.3      | 0.5                             | 4.0          |
| NOV.      | 5.4                | -4.0             | 4.6                        | 9.4      | 0.9                             | 4.9             | 6.1                         | 0.0              | 9.1                        | 6.6      | 0.6                             | 4.0          |
| DIC.      | 6.1                | -3.0             | 6.5                        | 8.5      | 0.6                             | 5.9             | 6.1                         | -0.2             | 8.8                        | 6.7      | 0.6                             | 4.2          |
| 2008 ENE. | 5.0                | 8.0              | 2.8                        | 17.0     | 1.1                             | 1.2             | 5.0                         | 8.0              | 2.8                        | 17.0     | 1.1                             | 1.2          |
| FEB.      | 5.4                | 10.7             | 1.4                        | 20.4     | 2.1                             | 0.9             | 5.2                         | 9.3              | 2.1                        | 18.7     | 1.6                             | 1.0          |
| MAR.      | 4.8                | 4.0              | 0.8                        | 18.2     | -0.4                            | 0.9             | 5.1                         | 7.5              | 1.7                        | 18.5     | 0.9                             | 1.0          |
| ABR.      | 5.3                | 4.7              | 2.0                        | 12.7     | 1.7                             | 3.9             | 5.1                         | 6.8              | 1.8                        | 17.1     | 1.1                             | 1.8          |
| MAY.      | 5.8                | 1.7              | 2.7                        | 15.6     | -0.5                            | 4.0             | 5.3                         | 5.7              | 1.9                        | 16.8     | 0.8                             | 2.2          |
| JUN.      | 5.1                | -3.3             | 3.5                        | 10.9     | 1.4                             | 4.4             | 5.2                         | 4.1              | 2.2                        | 15.7     | 0.9                             | 2.6          |
| JUL.      | 6.5                | 2.2              | 2.4                        | 12.0     | 3.2                             | 7.1             | 5.4                         | 3.8              | 2.2                        | 15.2     | 1.2                             | 3.3          |
| AGO.      | 5.0                | 2.1              | -1.1                       | 9.4      | 4.9                             | 6.7             | 5.4                         | 3.6              | 1.8                        | 14.4     | 1.6                             | 3.7          |
| SET.      | 5.8                | 8.9              | -1.4                       | 10.8     | 5.1                             | 7.6             | 5.4                         | 4.2              | 1.4                        | 14.0     | 2.0                             | 4.2          |
| 2008 OCT. | 4.5                | 8.1              | -4.4                       | 10.7     | 2.0                             | 7.1             | 5.3                         | 4.6              | 0.8                        | 13.7     | 2.0                             | 4.5          |
| NOV.      | 6.5                | 10.9             | 1.4                        | 12.3     | 0.2                             | 7.4             | 5.4                         | 5.2              | 0.9                        | 13.5     | 1.8                             | 4.8          |
| DIC.      | 7.0                | 9.5              | 3.6                        | 12.7     | 0.5                             | 7.2             | 5.6                         | 5.5              | 1.1                        | 13.5     | 1.7                             | 5.0          |
| 2009 ENE. | 5.3                | 8.1              | 2.2                        | 1.6      | -2.1                            | 11.4            | 5.3                         | 8.1              | 2.2                        | 1.6      | -2.1                            | 11.4         |
| FEB.      | 2.5                | 8.5              | -3.5                       | 0.0      | -2.8                            | 9.1             | 3.9                         | 8.3              | -0.7                       | 0.8      | -2.5                            | 10.3         |
| MAR.      | 2.7                | 7.6              | -2.6                       | 0.3      | -2.1                            | 8.6             | 3.5                         | 8.1              | -1.3                       | 0.6      | -2.4                            | 9.7          |
| ABR.      | 4.6                | 7.9              | -0.2                       | 6.2      | -0.7                            | 7.4             | 3.8                         | 8.0              | -1.0                       | 2.0      | -2.0                            | 9.1          |
| MAY.      | 2.4                | 6.1              | -1.9                       | 3.1      | -5.2                            | 6.0             | 3.5                         | 7.7              | -1.2                       | 2.2      | -2.6                            | 8.4          |
| JUN.      | 2.4                | 9.6              | -1.4                       | 3.3      | -5.7                            | 5.7             | 3.3                         | 8.0              | -1.2                       | 2.4      | -3.1                            | 7.9          |
| JUL.      | 0.7                | 10.6             | -1.3                       | 1.1      | -4.9                            | 2.1             | 2.9                         | 8.4              | -1.2                       | 2.2      | -3.4                            | 7.0          |
| AGO.      | 0.0                | 11.7             | -3.1                       | 1.9      | -6.4                            | 1.3             | 2.5                         | 8.8              | -1.5                       | 2.2      | -3.8                            | 6.3          |
| SET.      | -1.9               | 6.1              | -4.8                       | 0.4      | -11.4                           | 0.1             | 2.0                         | 8.5              | -1.8                       | 2.0      | -4.6                            | 5.5          |
| 2009 OCT. | -1.3               | 6.3              | -4.0                       | 1.8      | -11.6                           | 0.3             | 1.7                         | 8.2              | -2.1                       | 1.9      | -5.3                            | 5.0          |
| NOV.      | -2.6               | 7.3              | -9.4                       | 1.4      | -11.2                           | 0.7             | 1.3                         | 8.2              | -2.8                       | 1.9      | -5.9                            | 4.6          |
| DIC.      | -2.2               | 13.9             | -10.4                      | 2.0      | -10.4                           | 1.4             | 1.0                         | 8.7              | -3.5                       | 1.9      | -6.3                            | 4.3          |
| 2010 ENE. | -1.5               | 10.9             | -9.8                       | 4.1      | -10.0                           | 2.5             | -1.5                        | 10.9             | -9.8                       | 4.1      | -10.0                           | 2.5          |
| FEB.      | 0.7                | 13.2             | -7.7                       | 6.9      | -10.2                           | 5.0             | -0.4                        | 12.0             | -8.8                       | 5.5      | -10.1                           | 3.7          |
| MAR.      | 1.4                | 24.6             | -5.7                       | 7.0      | -9.2                            | 3.7             | 0.2                         | 16.1             | -7.8                       | 6.0      | -9.8                            | 3.7          |
| ABR.      | 0.0                | 25.6             | -6.1                       | 6.5      | -10.6                           | 0.5             | 0.2                         | 18.5             | -7.4                       | 6.1      | -10.0                           | 2.9          |
| MAY.      | 1.1                | 35.4             | -4.1                       | 7.9      | -6.5                            | -0.5            | 0.4                         | 21.8             | -6.7                       | 6.5      | -9.3                            | 2.2          |
| JUN.      | 1.3                | 38.3             | -4.5                       | 6.2      | -2.4                            | -0.1            | 0.5                         | 24.6             | -6.4                       | 6.4      | -8.2                            | 1.8          |
| JUL.      | 1.6                | 35.6             | -3.6                       | 7.5      | -5.8                            | 0.4             | 0.7                         | 26.2             | -6.0                       | 6.6      | -7.8                            | 1.6          |
| AGO.      | 1.9                | 31.7             | -1.0                       | 6.6      | -6.6                            | 0.6             | 0.8                         | 26.9             | -5.4                       | 6.6      | -7.7                            | 1.4          |
| SET.      | 2.3                | 30.6             | -1.5                       | 7.4      | -0.9                            | 0.1             | 1.0                         | 27.3             | -5.0                       | 6.7      | -7.0                            | 1.3          |
| 2010 OCT. | 2.4                | 32.8             | -2.1                       | 6.7      | -0.5                            | 0.7             | 1.1                         | 27.9             | -4.7                       | 6.7      | -6.4                            | 1.2          |
| NOV.      | 1.3                | 28.2             | -5.3                       | 4.3      | -1.0                            | 1.4             | 1.1                         | 27.9             | -4.8                       | 6.5      | -5.9                            | 1.2          |
| DIC.      | 0.7                | 20.5             | -2.7                       | 3.0      | -1.7                            | 0.2             | 1.1                         | 27.3             | -4.6                       | 6.2      | -5.6                            | 1.2          |
| 2011 ENE. | 2.4                | 23.2             | 2.0                        | 3.5      | -1.5                            | 1.4             | 2.4                         | 23.2             | 2.0                        | 3.5      | -1.5                            | 1.4          |
| FEB.      | 1.3                | 19.3             | 2.4                        | 0.0      | 0.8                             | 0.4             | 1.9                         | 21.2             | 2.2                        | 1.7      | -0.4                            | 0.9          |
| MAR.      | 1.3                | 12.6             | 0.8                        | 0.3      | -0.4                            | 1.4             | 1.7                         | 18.2             | 1.7                        | 1.2      | -0.4                            | 1.1          |
| ABR.      | 2.4                | 11.4             | 4.9                        | 0.0      | -2.0                            | 2.9             | 1.9                         | 16.4             | 2.5                        | 0.9      | -0.8                            | 1.5          |
| MAY.      | 2.2                | 1.2              | 6.4                        | 0.8      | -4.5                            | 2.5             | 1.9                         | 13.1             | 3.3                        | 0.9      | -1.6                            | 1.7          |
| JUN.      | 1.7                | -0.8             | 5.3                        | 1.4      | -6.6                            | 2.3             | 1.9                         | 10.5             | 3.6                        | 1.0      | -2.4                            | 1.8          |
| JUL.      | 2.0                | -0.6             | 8.0                        | 0.2      | -4.7                            | 2.0             | 1.9                         | 8.7              | 4.3                        | 0.9      | -2.8                            | 1.9          |
| AGO.      | 3.1                | 3.8              | 7.5                        | 3.1      | -3.7                            | 2.7             | 2.0                         | 8.1              | 4.7                        | 1.1      | -2.9                            | 2.0          |
| SET.      | 3.8                | 3.9              | 10.2                       | 1.7      | -5.1                            | 4.2             | 2.2                         | 7.6              | 5.3                        | 1.2      | -3.1                            | 2.2          |
| 2011 OCT. | 3.5                | 2.2              | 12.1                       | 1.9      | -4.7                            | 3.0             | 2.4                         | 7.0              | 6.0                        | 1.3      | -3.3                            | 2.3          |
| NOV.      | 4.2                | 5.1              | 13.5                       | 3.2      | -5.9                            | 3.4             | 2.5                         | 6.8              | 6.6                        | 1.5      | -3.5                            | 2.4          |
| DIC.      | 4.4                | 5.6              | 10.0                       | 5.2      | -4.5                            | 3.7             | 2.7                         | 6.7              | 6.9                        | 1.8      | -3.6                            | 2.5          |
| 2012 ENE. | 3.3                | 4.0              | 10.0                       | 3.9      | -3.7                            | 2.0             | 3.3                         | 4.0              | 10.0                       | 3.9      | -3.7                            | 2.0          |
| FEB.      | 2.9                | 7.2              | 7.6                        | 3.3      | -3.7                            | 2.1             | 3.1                         | 5.6              | 8.8                        | 3.6      | -3.7                            | 2.0          |
| MAR.      | 4.0                | 8.9              | 6.2                        | 2.0      | -4.4                            | 5.3             | 3.4                         | 6.7              | 8.0                        | 3.1      | -3.9                            | 3.2          |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |               |                         |          |                           |              | VARIACIÓN PROMEDIO ANUAL 2/ |               |                         |          |                           |              |      |
|-----------|--------------------|---------------|-------------------------|----------|---------------------------|--------------|-----------------------------|---------------|-------------------------|----------|---------------------------|--------------|------|
|           | Total              | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ | Total                       | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ |      |
| 2013      | ABR.               | 3.3           | 9.1                     | 2.5      | 2.5                       | -3.3         | 4.8                         | 3.4           | 7.3                     | 6.6      | 2.9                       | -3.8         | 3.6  |
|           | MAY.               | 4.2           | 10.9                    | 1.3      | 2.3                       | 1.5          | 6.2                         | 3.5           | 8.0                     | 5.5      | 2.8                       | -2.8         | 4.1  |
|           | JUN.               | 4.5           | 10.0                    | 1.6      | 2.0                       | 2.7          | 6.6                         | 3.7           | 8.4                     | 4.8      | 2.7                       | -1.9         | 4.6  |
|           | JUL.               | 4.3           | 9.3                     | -1.3     | 1.3                       | 2.1          | 7.7                         | 3.8           | 8.5                     | 3.9      | 2.5                       | -1.3         | 5.0  |
|           | AGO.               | 3.6           | 7.4                     | -1.3     | -1.2                      | 1.5          | 7.5                         | 3.8           | 8.4                     | 3.2      | 2.0                       | -0.9         | 5.3  |
|           | SET.               | 2.9           | 6.3                     | -2.1     | -0.4                      | 2.2          | 6.0                         | 3.7           | 8.1                     | 2.6      | 1.7                       | -0.6         | 5.4  |
|           | OCT.               | 2.1           | 3.8                     | -5.0     | -1.4                      | 2.8          | 6.0                         | 3.5           | 7.7                     | 1.8      | 1.4                       | -0.3         | 5.5  |
|           | NOV.               | 2.8           | 4.2                     | -4.3     | 1.0                       | 6.0          | 5.5                         | 3.4           | 7.4                     | 1.2      | 1.4                       | 0.3          | 5.5  |
|           | DIC.               | 2.3           | 2.0                     | -4.0     | -0.9                      | 5.5          | 5.4                         | 3.3           | 6.9                     | 0.8      | 1.2                       | 0.7          | 5.5  |
|           | ENE.               | 1.8           | 3.6                     | -5.9     | -0.6                      | 2.8          | 5.5                         | 1.8           | 3.6                     | -5.9     | -0.6                      | 2.8          | 5.5  |
|           | FEB.               | 2.6           | 0.9                     | -3.4     | 0.6                       | 2.0          | 6.1                         | 2.2           | 2.2                     | -4.7     | 0.0                       | 2.4          | 5.8  |
|           | MAR.               | 1.3           | -4.5                    | -3.2     | 1.3                       | 5.0          | 2.7                         | 1.9           | -0.1                    | -4.2     | 0.4                       | 3.3          | 4.7  |
| 2014      | ABR.               | 2.3           | -6.0                    | -2.4     | 2.3                       | 4.7          | 4.1                         | 2.0           | -1.6                    | -3.8     | 0.9                       | 3.6          | 4.6  |
|           | MAY.               | 1.1           | -5.9                    | -3.0     | 1.3                       | 0.1          | 3.1                         | 1.8           | -2.5                    | -3.6     | 1.0                       | 2.9          | 4.2  |
|           | JUN.               | 1.7           | -5.1                    | -1.3     | 4.4                       | -1.2         | 2.7                         | 1.8           | -2.9                    | -3.2     | 1.5                       | 2.2          | 4.0  |
|           | JUL.               | 1.5           | -3.8                    | -0.3     | 4.6                       | 1.0          | 1.2                         | 1.8           | -3.0                    | -2.8     | 2.0                       | 2.0          | 3.6  |
|           | AGO.               | 1.4           | -5.6                    | -1.0     | 3.5                       | 2.7          | 1.5                         | 1.7           | -3.4                    | -2.6     | 2.2                       | 2.1          | 3.3  |
|           | SET.               | 1.6           | -6.3                    | -1.5     | 3.1                       | 3.9          | 2.0                         | 1.7           | -3.7                    | -2.5     | 2.3                       | 2.3          | 3.1  |
|           | OCT.               | 2.7           | -2.8                    | -0.6     | 6.4                       | 6.3          | 1.9                         | 1.8           | -3.6                    | -2.3     | 2.7                       | 2.7          | 3.0  |
|           | NOV.               | 2.3           | -4.0                    | 0.2      | 4.3                       | 5.9          | 1.9                         | 1.8           | -3.6                    | -2.1     | 2.8                       | 3.0          | 2.9  |
|           | DIC.               | 1.7           | -3.7                    | -1.9     | 5.4                       | 4.1          | 1.2                         | 1.8           | -3.6                    | -2.1     | 3.1                       | 3.1          | 2.8  |
|           | ENE.               | 0.8           | -3.1                    | -5.3     | 4.7                       | 5.6          | 0.6                         | 0.8           | -3.1                    | -5.3     | 4.7                       | 5.6          | 0.6  |
|           | FEB.               | 0.5           | -5.2                    | -5.0     | 3.0                       | 4.1          | 0.9                         | 0.7           | -4.1                    | -5.2     | 3.8                       | 4.9          | 0.8  |
|           | MAR.               | 0.5           | -3.9                    | -3.0     | 3.4                       | 2.6          | 0.2                         | 0.6           | -4.1                    | -4.4     | 3.7                       | 4.1          | 0.6  |
| 2015      | ABR.               | 0.3           | -5.3                    | -3.2     | 4.9                       | 3.5          | -0.5                        | 0.5           | -4.4                    | -4.1     | 4.0                       | 4.0          | 0.3  |
|           | MAY.               | 1.2           | -2.9                    | -1.0     | 4.5                       | 6.3          | 0.0                         | 0.7           | -4.1                    | -3.5     | 4.1                       | 4.4          | 0.2  |
|           | JUN.               | 0.9           | -3.0                    | -0.6     | 3.0                       | 6.1          | -0.2                        | 0.7           | -3.9                    | -3.0     | 3.9                       | 4.7          | 0.2  |
|           | JUL.               | -0.3          | -5.6                    | -2.2     | 0.1                       | 4.6          | -0.2                        | 0.6           | -4.1                    | -2.9     | 3.3                       | 4.7          | 0.1  |
|           | AGO.               | 0.6           | -3.7                    | -1.8     | 1.9                       | 5.3          | 0.3                         | 0.6           | -4.1                    | -2.8     | 3.2                       | 4.7          | 0.1  |
|           | SET.               | 0.8           | -3.6                    | -2.6     | 2.8                       | 3.2          | 1.0                         | 0.6           | -4.0                    | -2.7     | 3.1                       | 4.6          | 0.2  |
|           | OCT.               | -0.6          | -4.3                    | -3.5     | -1.2                      | 1.8          | 0.6                         | 0.5           | -4.1                    | -2.8     | 2.7                       | 4.3          | 0.3  |
|           | NOV.               | -0.3          | -3.6                    | -1.5     | -1.5                      | 1.6          | 0.5                         | 0.4           | -4.0                    | -2.7     | 2.3                       | 4.0          | 0.3  |
|           | DIC.               | -0.2          | -4.1                    | 0.9      | -2.9                      | 2.3          | 0.3                         | 0.3           | -4.0                    | -2.4     | 1.8                       | 3.9          | 0.3  |
|           | ENE.               | 0.3           | -5.4                    | 2.0      | -1.7                      | 1.1          | 0.8                         | 0.3           | -5.4                    | 2.0      | -1.7                      | 1.1          | 0.8  |
|           | FEB.               | 0.6           | -3.5                    | 2.1      | -2.6                      | 2.0          | 1.4                         | 0.4           | -4.4                    | 2.1      | -2.1                      | 1.6          | 1.1  |
|           | MAR.               | -0.2          | -3.3                    | -0.8     | -2.5                      | 1.2          | 0.9                         | 0.2           | -4.1                    | 1.1      | -2.3                      | 1.4          | 1.1  |
| 2016      | ABR.               | 0.6           | -1.2                    | -0.1     | -4.0                      | 1.9          | 2.7                         | 0.3           | -3.4                    | 0.8      | -2.7                      | 1.5          | 1.5  |
|           | MAY.               | -0.5          | -0.8                    | -1.9     | -5.0                      | 1.2          | 1.6                         | 0.1           | -2.9                    | 0.2      | -3.2                      | 1.5          | 1.5  |
|           | JUN.               | -0.9          | -2.2                    | -4.9     | -3.1                      | -1.1         | 1.6                         | 0.0           | -2.7                    | -0.6     | -3.2                      | 1.0          | 1.5  |
|           | JUL.               | 0.9           | -0.1                    | -2.6     | 0.3                       | -0.9         | 2.7                         | 0.1           | -2.4                    | -0.9     | -2.7                      | 0.8          | 1.7  |
|           | AGO.               | 0.4           | -1.4                    | -2.9     | -0.3                      | -2.5         | 2.4                         | 0.1           | -2.2                    | -1.2     | -2.4                      | 0.3          | 1.8  |
|           | SET.               | 0.9           | -0.7                    | -2.2     | -3.7                      | 14.2         | 1.4                         | 0.2           | -2.1                    | -1.3     | -2.5                      | 1.9          | 1.7  |
|           | OCT.               | 2.1           | -0.9                    | -1.3     | 3.9                       | 15.0         | 0.1                         | 0.4           | -2.0                    | -1.3     | -1.9                      | 3.3          | 1.6  |
|           | NOV.               | 1.4           | -3.6                    | -3.5     | 5.2                       | 13.2         | -0.6                        | 0.5           | -2.1                    | -1.5     | -1.2                      | 4.2          | 1.4  |
|           | DIC.               | 0.2           | -2.1                    | -6.2     | 5.6                       | 1.0          | 0.2                         | 0.5           | -2.1                    | -1.9     | -0.7                      | 3.9          | 1.3  |
|           | ENE.               | 0.0           | -1.8                    | -5.1     | 5.0                       | 0.9          | -0.3                        | 0.0           | -1.8                    | -5.1     | 5.0                       | 0.9          | -0.3 |
|           | FEB.               | 0.0           | -1.2                    | -5.0     | 8.1                       | -0.4         | -1.4                        | 0.0           | -1.5                    | -5.0     | 6.5                       | 0.2          | -0.9 |
|           | MAR.               | 0.6           | -1.9                    | -6.1     | 6.9                       | -0.9         | 0.8                         | 0.2           | -1.6                    | -5.4     | 6.6                       | -0.1         | -0.3 |
| ABR.      | -0.4               | -2.2          | -7.1                    | 10.1     | 0.1                       | -2.3         | 0.1                         | -1.8          | -5.8                    | 7.5      | -0.1                      | -0.8         |      |
| MAY.      | 0.0                | -4.6          | -7.0                    | 12.0     | -1.9                      | -1.8         | 0.1                         | -2.4          | -6.1                    | 8.4      | -0.4                      | -1.0         |      |
| JUN.      | 0.1                | -2.1          | -4.9                    | 8.6      | 2.9                       | -2.1         | 0.1                         | -2.3          | -5.9                    | 8.4      | 0.1                       | -1.2         |      |
| JUL.      | -0.4               | -2.0          | -5.8                    | 8.2      | 4.1                       | -2.8         | 0.0                         | -2.3          | -5.9                    | 8.4      | 0.7                       | -1.5         |      |
| AGO.      | -0.5               | -3.9          | -5.8                    | 7.4      | 4.1                       | -2.6         | -0.1                        | -2.5          | -5.9                    | 8.3      | 1.1                       | -1.6         |      |
| SET.      | -1.6               | -4.7          | -6.2                    | 8.9      | -11.3                     | -1.9         | -0.2                        | -2.7          | -5.9                    | 8.4      | -0.5                      | -1.6         |      |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 10 A 49  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                  |                            |          |                                 |                 | VARIACIÓN PROMEDIO ANUAL 2/ |                  |                            |          |                                 |              |
|-----------|--------------------|------------------|----------------------------|----------|---------------------------------|-----------------|-----------------------------|------------------|----------------------------|----------|---------------------------------|--------------|
|           | Total              | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp.,<br>almac., y<br>comun. | Servicios<br>4/ | Total                       | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp.,<br>almac., y<br>comun. | Servicios 4/ |
| 2017      | OCT.               | -2.2             | -3.8                       | -6.4     | 3.6                             | -13.6           | -0.4                        | -2.8             | -5.9                       | 7.9      | -2.0                            | -1.5         |
|           | NOV.               | -2.2             | -1.1                       | -6.9     | 3.4                             | -12.7           | -0.6                        | -2.7             | -6.0                       | 7.4      | -3.1                            | -1.4         |
|           | DIC.               | -0.8             | 0.6                        | -5.6     | 3.5                             | -1.6            | -0.6                        | -2.4             | -6.0                       | 7.1      | -2.9                            | -1.4         |
|           | ENE.               | 0.2              | -0.2                       | -4.6     | 3.2                             | 0.3             | 0.2                         | -0.2             | -4.6                       | 3.2      | 0.3                             | 0.6          |
|           | FEB.               | -0.4             | 0.9                        | -5.1     | -0.2                            | 1.9             | 0.6                         | 0.4              | -4.9                       | 1.5      | 1.1                             | 0.6          |
|           | MAR.               | -1.1             | 1.2                        | -3.1     | 0.0                             | 2.4             | -0.4                        | 0.7              | -4.3                       | 1.0      | 1.5                             | -0.2         |
|           | ABR.               | -0.4             | 1.9                        | -2.3     | -3.3                            | 0.5             | -0.4                        | 1.0              | -3.8                       | -0.1     | 1.3                             | 0.2          |
|           | MAY.               | -0.4             | -1.1                       | -1.8     | -1.9                            | -0.6            | 0.7                         | 0.6              | -3.4                       | -0.5     | 0.9                             | 0.3          |
|           | JUN.               | -0.9             | -4.0                       | -3.2     | -2.5                            | -3.9            | 1.2                         | -0.5             | -3.4                       | -0.8     | 0.1                             | 0.4          |
|           | JUL.               | -1.0             | -4.3                       | -4.6     | -1.8                            | -3.8            | 1.3                         | -0.6             | -3.5                       | -1.0     | -0.5                            | 0.6          |
|           | AGO.               | -1.3             | -3.1                       | -6.0     | -1.1                            | -1.1            | 0.3                         | -0.7             | -3.8                       | -1.0     | -0.6                            | 0.5          |
|           | SET.               | -1.7             | -0.8                       | -5.5     | -0.9                            | -1.8            | -0.9                        | -1.1             | -4.0                       | -1.0     | -0.7                            | 0.4          |
| 2018      | OCT.               | -1.5             | -2.1                       | -5.7     | -1.5                            | 0.8             | -0.5                        | -1.2             | -4.2                       | -1.0     | -0.6                            | 0.3          |
|           | NOV.               | -2.3             | -2.5                       | -6.3     | -4.4                            | 0.5             | -0.5                        | -1.3             | -4.4                       | -1.3     | -0.5                            | 0.2          |
|           | DIC.               | -2.2             | -6.9                       | -6.1     | -3.1                            | 0.6             | -0.7                        | -1.1             | -4.5                       | -1.5     | -0.4                            | 0.1          |
|           | ENE.               | -2.3             | -5.1                       | -7.0     | -2.1                            | -1.5            | -0.7                        | -2.3             | -5.1                       | -7.0     | -2.1                            | -0.7         |
|           | FEB.               | -1.2             | -6.9                       | -5.8     | 2.6                             | -0.3            | -1.3                        | -6.0             | -6.4                       | 0.2      | -0.9                            | -1.0         |
|           | MAR.               | -0.4             | -7.2                       | -5.8     | 2.9                             | 0.5             | 0.3                         | -6.4             | -6.2                       | 1.1      | -0.4                            | -0.6         |
|           | ABR.               | -1.5             | -5.8                       | -6.5     | 1.0                             | 1.3             | -1.2                        | -6.2             | -6.3                       | 1.1      | 0.0                             | -0.7         |
|           | MAY.               | -1.5             | -4.4                       | -8.2     | -0.8                            | 4.2             | -0.6                        | -5.9             | -6.7                       | 0.7      | 0.8                             | -0.7         |
|           | JUN.               | -2.3             | -2.5                       | -8.7     | -2.7                            | 2.2             | -0.9                        | -5.3             | -7.0                       | 0.1      | 1.1                             | -0.7         |
|           | JUL.               | -2.5             | -2.3                       | -10.0    | -2.7                            | 2.4             | -1.0                        | -4.9             | -7.4                       | -0.3     | 1.3                             | -0.8         |
|           | AGO.               | -2.4             | -1.5                       | -7.7     | -2.3                            | -0.5            | -1.2                        | -4.5             | -7.5                       | -0.5     | 1.0                             | -0.8         |
|           | SET.               | -1.8             | -3.3                       | -7.9     | -1.5                            | 1.4             | -0.5                        | -4.4             | -7.5                       | -0.6     | 1.1                             | -0.8         |
| 2019      | OCT.               | -2.0             | -3.4                       | -8.0     | -2.2                            | -0.1            | -0.2                        | -1.8             | -4.3                       | -0.8     | 1.0                             | -0.7         |
|           | NOV.               | -0.6             | -3.9                       | -7.2     | -0.2                            | 0.4             | 1.3                         | -4.2             | -7.5                       | -0.7     | 0.9                             | -0.5         |
|           | DIC.               | -0.4             | -2.9                       | -7.3     | -2.2                            | 0.8             | 2.6                         | -4.1             | -7.5                       | -0.8     | 0.9                             | -0.3         |
|           | ENE.               | -0.9             | -3.5                       | -7.8     | -1.8                            | 1.3             | 1.6                         | -3.5             | -7.8                       | -1.8     | 1.3                             | 1.6          |
|           | FEB.               | -0.8             | -2.6                       | -8.1     | 0.8                             | -0.3            | 1.0                         | -3.1             | -7.9                       | -0.5     | 0.5                             | 1.3          |
|           | MAR.               | -0.6             | 0.1                        | -6.2     | 0.4                             | -0.7            | 0.7                         | -2.0             | -7.3                       | -0.2     | 0.1                             | 1.1          |
|           | ABR.               | -0.2             | -0.1                       | -6.4     | 0.6                             | -2.2            | 1.9                         | -1.5             | -7.1                       | 0.0      | -0.5                            | 1.3          |
|           | MAY.               | -0.4             | 0.7                        | -6.4     | 0.6                             | -3.3            | 1.6                         | -1.1             | -7.0                       | 0.1      | -1.1                            | 1.4          |
|           | JUN.               | -0.2             | -1.1                       | -7.4     | 1.3                             | -0.1            | 1.7                         | -1.1             | -7.1                       | 0.3      | -0.9                            | 1.4          |
|           | JUL.               | -0.1             | -1.8                       | -5.4     | 1.7                             | -1.0            | 1.2                         | -1.2             | -6.8                       | 0.5      | -0.9                            | 1.4          |
|           | AGO. P/            | 0.6              | -2.7                       | -1.8     | 1.8                             | -2.0            | 1.7                         | -0.3             | -1.4                       | 0.7      | -1.1                            | 1.4          |

**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao. La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en octubre 1998.

1/ Variación porcentual respecto al mismo mes del año anterior.

2/ Variación porcentual de un periodo comprendido desde enero hasta el mes de referencia del año corriente respecto al mismo periodo del año anterior.

3/ Conformada por las subramas agricultura, pesca y minería.

4/ Conformada por las subramas servicios prestados a empresas, restaurantes y hoteles, establecimientos financieros, enseñanza, servicios sociales y comunales; y electricidad, gas y agua.

P/ Cifras preliminares.

**Fuente:** MTPE – Encuesta Nacional de Variación Mensual del Empleo (ENVME).

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                  |                            |          |                              |                 | VARIACIÓN PROMEDIO ANUAL 2/ |                  |                            |          |                              |                  |
|-----------|--------------------|------------------|----------------------------|----------|------------------------------|-----------------|-----------------------------|------------------|----------------------------|----------|------------------------------|------------------|
|           | Total              | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac., y<br>comun. | Servicios<br>4/ | Total                       | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac., y<br>comun. | Servicio<br>s 4/ |
| 1998 OCT. | 1.0                | -0.9             | -3.4                       | 6.3      | 4.3                          | 2.9             | 0.1                         | -2.1             | -1.8                       | 3.5      | 2.3                          | 0.3              |
| NOV.      | -0.2               | -1.5             | -5.8                       | 5.9      | 5.5                          | 1.9             | -0.2                        | -2.3             | -2.2                       | 3.5      | 2.8                          | 0.1              |
| DIC.      | -0.4               | -2.9             | -5.2                       | 6.4      | 3.7                          | 1.0             | -0.2                        | -2.6             | -2.4                       | 3.7      | 2.8                          | 0.1              |
| 1999 ENE. | -1.3               | -3.8             | -6.3                       | 3.8      | 1.8                          | 1.1             | -1.3                        | -3.8             | -6.3                       | 3.8      | 1.8                          | 1.1              |
| FEB.      | -1.9               | -2.6             | -6.9                       | 1.4      | 2.8                          | 0.8             | -1.6                        | -3.2             | -6.6                       | 2.6      | 2.3                          | 0.9              |
| MAR.      | -2.6               | -3.9             | -6.5                       | 1.1      | 0.6                          | -0.8            | -1.9                        | -3.5             | -6.6                       | 2.1      | 1.7                          | 0.3              |
| ABR.      | -3.4               | -4.0             | -6.0                       | -0.9     | 2.7                          | -3.2            | -2.3                        | -3.6             | -6.4                       | 1.3      | 2.0                          | -0.6             |
| MAY.      | -3.7               | -4.0             | -6.6                       | -1.0     | 1.9                          | -3.0            | -2.6                        | -3.7             | -6.5                       | 0.9      | 2.0                          | -1.1             |
| JUN.      | -3.9               | -5.1             | -6.5                       | -2.0     | 3.1                          | -3.5            | -2.8                        | -3.9             | -6.5                       | 0.4      | 2.2                          | -1.5             |
| JUL.      | -4.0               | -8.8             | -6.2                       | -1.7     | 3.3                          | -3.9            | -3.0                        | -4.6             | -6.4                       | 0.1      | 2.3                          | -1.8             |
| AGO.      | -4.2               | -8.7             | -6.5                       | -3.2     | 2.9                          | -3.6            | -3.1                        | -5.1             | -6.4                       | -0.3     | 2.4                          | -2.1             |
| SET.      | -4.2               | -12.9            | -5.7                       | -2.8     | 1.8                          | -4.1            | -3.2                        | -6.0             | -6.4                       | -0.6     | 2.3                          | -2.3             |
| OCT.      | -4.4               | -15.2            | -4.3                       | -4.3     | 0.7                          | -4.9            | -3.4                        | -6.9             | -6.2                       | -1.0     | 2.2                          | -2.6             |
| NOV.      | -3.5               | -16.3            | -2.2                       | -5.1     | 1.8                          | -4.4            | -3.4                        | -7.8             | -5.8                       | -1.4     | 2.1                          | -2.7             |
| DIC.      | -2.8               | -12.9            | -1.7                       | -4.6     | 4.1                          | -4.1            | -3.3                        | -8.2             | -5.5                       | -1.6     | 2.3                          | -2.9             |
| 2000 ENE. | -2.5               | -20.0            | -0.9                       | -2.2     | 6.0                          | -4.7            | -2.5                        | -20.0            | -0.9                       | -2.2     | 6.0                          | -4.7             |
| FEB.      | -2.1               | -15.9            | -1.0                       | -1.3     | 5.9                          | -4.3            | -2.3                        | -18.0            | -1.0                       | -1.8     | 5.9                          | -4.5             |
| MAR.      | -1.5               | -19.4            | -0.6                       | -0.9     | 4.6                          | -2.9            | -2.0                        | -18.4            | -0.8                       | -1.5     | 5.5                          | -4.0             |
| ABR.      | -0.8               | -9.9             | -0.7                       | 1.0      | 2.5                          | -1.8            | -1.7                        | -16.4            | -0.8                       | -0.9     | 4.7                          | -3.4             |
| MAY.      | -0.6               | -15.9            | -0.4                       | 0.1      | 3.7                          | -1.4            | -1.5                        | -16.3            | -0.7                       | -0.7     | 4.5                          | -3.0             |
| JUN.      | -0.1               | -9.5             | -0.6                       | 0.3      | 5.4                          | -0.6            | -1.3                        | -15.2            | -0.7                       | -0.5     | 4.7                          | -2.6             |
| JUL.      | 0.0                | -5.2             | -0.1                       | -1.3     | 3.3                          | 0.0             | -1.1                        | -13.8            | -0.6                       | -0.6     | 4.5                          | -2.2             |
| AGO.      | -0.1               | -15.5            | 0.1                        | -1.0     | 2.7                          | -0.1            | -1.0                        | -14.0            | -0.5                       | -0.7     | 4.2                          | -2.0             |
| SET.      | -0.4               | -13.9            | -0.6                       | -2.1     | 5.7                          | -0.4            | -0.9                        | -14.0            | -0.5                       | -0.8     | 4.4                          | -1.8             |
| OCT.      | -0.8               | -15.3            | -1.6                       | -2.3     | 3.3                          | 0.0             | -0.9                        | -14.1            | -0.6                       | -1.0     | 4.3                          | -1.6             |
| NOV.      | -0.5               | -4.7             | -0.9                       | -1.0     | 3.3                          | -0.6            | -0.9                        | -13.3            | -0.7                       | -1.0     | 4.2                          | -1.5             |
| DIC.      | -0.6               | -5.6             | -1.5                       | 0.4      | 1.9                          | -0.6            | -0.8                        | -12.7            | -0.7                       | -0.9     | 4.0                          | -1.5             |
| 2001 ENE. | -1.0               | 17.5             | -1.0                       | -0.7     | 2.2                          | -2.5            | -1.0                        | 17.5             | -1.0                       | -0.7     | 2.2                          | -2.5             |
| FEB.      | -1.0               | 8.3              | -0.9                       | -1.7     | 4.0                          | -2.4            | -1.0                        | 12.8             | -0.9                       | -1.2     | 3.1                          | -2.4             |
| MAR.      | -0.4               | 11.6             | -0.9                       | -1.6     | 5.0                          | -1.1            | -0.8                        | 12.4             | -0.9                       | -1.3     | 3.7                          | -2.0             |
| ABR.      | -0.6               | 5.5              | -0.9                       | -2.6     | 6.3                          | -1.4            | -0.7                        | 10.6             | -0.9                       | -1.6     | 4.4                          | -1.8             |
| MAY.      | -0.6               | 10.9             | -0.6                       | -2.2     | 2.6                          | -1.2            | -0.7                        | 10.6             | -0.9                       | -1.7     | 4.0                          | -1.7             |
| JUN.      | -1.1               | 5.8              | -1.1                       | -1.5     | -0.4                         | -1.4            | -0.8                        | 9.8              | -0.9                       | -1.7     | 3.3                          | -1.6             |
| JUL.      | -0.9               | -1.6             | -1.0                       | -0.4     | 1.2                          | -1.3            | -0.8                        | 8.1              | -0.9                       | -1.5     | 3.0                          | -1.6             |
| AGO.      | -0.6               | 4.8              | -0.3                       | 0.4      | 2.8                          | -2.0            | -0.8                        | 7.7              | -0.8                       | -1.3     | 2.9                          | -1.6             |
| SET.      | 0.0                | 6.8              | -1.1                       | 1.9      | -1.0                         | 0.2             | -0.7                        | 7.6              | -0.9                       | -0.9     | 2.5                          | -1.4             |
| OCT.      | 1.1                | 11.2             | -1.1                       | 5.2      | 2.6                          | 1.0             | -0.5                        | 7.9              | -0.9                       | -0.3     | 2.5                          | -1.2             |
| NOV.      | 1.1                | 5.7              | -1.0                       | 4.3      | 0.3                          | 1.9             | -0.4                        | 7.7              | -0.9                       | 0.1      | 2.3                          | -0.9             |
| DIC.      | 1.0                | 2.9              | -0.6                       | 1.6      | -0.2                         | 2.4             | -0.2                        | 7.3              | -0.9                       | 0.2      | 2.1                          | -0.6             |
| 2002 ENE. | 0.1                | -9.0             | -1.4                       | 2.4      | -2.9                         | 1.4             | 0.1                         | -9.0             | -1.4                       | 2.4      | -2.9                         | 1.4              |
| FEB.      | 0.6                | -4.1             | -1.2                       | 3.7      | -2.1                         | 1.8             | 0.3                         | -6.6             | -1.3                       | 3.1      | -2.5                         | 1.6              |
| MAR.      | 0.8                | -5.3             | -0.4                       | 5.4      | -3.2                         | 1.3             | 0.5                         | -6.1             | -1.0                       | 3.8      | -2.7                         | 1.5              |
| ABR.      | 1.5                | -0.5             | -0.1                       | 5.1      | -3.2                         | 2.6             | 0.7                         | -4.7             | -0.8                       | 4.1      | -2.8                         | 1.8              |
| MAY.      | 1.6                | -2.8             | -0.4                       | 5.0      | -1.9                         | 3.1             | 0.9                         | -4.3             | -0.7                       | 4.3      | -2.7                         | 2.0              |
| JUN.      | 1.8                | 0.1              | 0.1                        | 5.5      | -1.0                         | 2.6             | 1.0                         | -3.6             | -0.6                       | 4.5      | -2.4                         | 2.1              |
| JUL.      | 2.4                | 8.2              | 0.6                        | 6.2      | -0.3                         | 2.9             | 1.2                         | -2.0             | -0.4                       | 4.7      | -2.1                         | 2.3              |
| AGO.      | 2.2                | 14.1             | 0.2                        | 5.1      | -1.9                         | 3.3             | 1.4                         | -0.1             | -0.3                       | 4.8      | -2.1                         | 2.4              |
| SET.      | 1.7                | 1.0              | 0.7                        | 4.5      | -1.1                         | 2.3             | 1.4                         | 0.0              | -0.2                       | 4.8      | -2.0                         | 2.4              |
| OCT.      | 1.6                | 3.1              | 1.9                        | 2.5      | -1.2                         | 1.7             | 1.4                         | 0.3              | 0.0                        | 4.5      | -1.9                         | 2.3              |
| NOV.      | 1.8                | 7.1              | 2.3                        | 3.8      | -1.1                         | 1.2             | 1.4                         | 0.9              | 0.2                        | 4.5      | -1.8                         | 2.2              |
| DIC.      | 2.4                | 8.7              | 1.4                        | 9.0      | -0.7                         | 1.3             | 1.5                         | 1.5              | 0.3                        | 4.8      | -1.7                         | 2.1              |
| 2003 ENE. | 3.1                | 1.1              | 2.0                        | 10.0     | 0.6                          | 2.3             | 3.1                         | 1.1              | 2.0                        | 10.0     | 0.6                          | 2.3              |
| FEB.      | 2.6                | 1.8              | 1.9                        | 10.7     | -0.8                         | 1.2             | 2.9                         | 1.5              | 1.9                        | 10.3     | -0.1                         | 1.7              |
| MAR.      | 1.9                | 4.3              | 1.7                        | 8.5      | -1.1                         | 0.2             | 2.6                         | 2.4              | 1.9                        | 9.7      | -0.4                         | 1.2              |
| ABR.      | 2.3                | -6.7             | 1.6                        | 9.6      | -1.1                         | 1.4             | 2.5                         | 0.0              | 1.8                        | 9.7      | -0.6                         | 1.3              |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                  |                            |          |                              |                 | VARIACIÓN PROMEDIO ANUAL 2/ |                  |                            |          |                              |                  |
|-----------|--------------------|------------------|----------------------------|----------|------------------------------|-----------------|-----------------------------|------------------|----------------------------|----------|------------------------------|------------------|
|           | Total              | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac., y<br>comun. | Servicios<br>4/ | Total                       | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac., y<br>comun. | Servicio<br>s 4/ |
| MAY.      | 3.1                | 9.5              | 1.7                        | 10.7     | 0.6                          | 1.7             | 2.6                         | 1.9              | 1.8                        | 9.9      | -0.3                         | 1.4              |
| JUN.      | 3.0                | 3.1              | 2.1                        | 9.8      | -0.8                         | 2.2             | 2.7                         | 2.1              | 1.8                        | 9.9      | -0.4                         | 1.5              |
| JUL.      | 2.5                | -0.3             | 2.0                        | 9.1      | -0.9                         | 1.5             | 2.6                         | 1.7              | 1.9                        | 9.8      | -0.5                         | 1.5              |
| AGO.      | 1.4                | -4.5             | 0.8                        | 9.5      | 1.0                          | -0.7            | 2.5                         | 0.9              | 1.7                        | 9.7      | -0.3                         | 1.2              |
| SET.      | 2.4                | 8.7              | 1.4                        | 9.3      | 0.7                          | 0.8             | 2.5                         | 1.7              | 1.7                        | 9.7      | -0.2                         | 1.2              |
| OCT.      | 2.2                | 4.6              | 0.5                        | 7.9      | -0.3                         | 2.1             | 2.4                         | 2.0              | 1.6                        | 9.5      | -0.2                         | 1.3              |
| NOV.      | 2.2                | 4.9              | 0.5                        | 6.5      | 0.6                          | 2.4             | 2.4                         | 2.3              | 1.5                        | 9.2      | -0.1                         | 1.4              |
| DIC.      | 2.6                | 2.0              | 2.0                        | 3.9      | 1.5                          | 3.0             | 2.4                         | 2.3              | 1.5                        | 8.8      | 0.0                          | 1.5              |
| 2004 ENE. | 2.7                | 11.0             | 3.5                        | 3.6      | 0.6                          | 1.9             | 2.7                         | 11.0             | 3.5                        | 3.6      | 0.6                          | 1.9              |
| FEB.      | 3.6                | 11.0             | 4.5                        | 0.6      | 1.4                          | 4.3             | 3.2                         | 11.0             | 4.0                        | 2.1      | 1.0                          | 3.1              |
| MAR.      | 3.9                | 6.0              | 4.7                        | 1.5      | 2.4                          | 4.4             | 3.4                         | 9.3              | 4.2                        | 1.9      | 1.5                          | 3.5              |
| ABR.      | 3.9                | 9.9              | 3.6                        | 1.4      | 1.6                          | 5.4             | 3.5                         | 9.5              | 4.1                        | 1.8      | 1.5                          | 4.0              |
| MAY.      | 3.8                | 4.6              | 4.4                        | 1.3      | 0.8                          | 4.8             | 3.6                         | 8.4              | 4.1                        | 1.7      | 1.4                          | 4.2              |
| JUN.      | 3.9                | 8.1              | 4.2                        | 1.0      | 2.5                          | 4.7             | 3.6                         | 8.4              | 4.2                        | 1.6      | 1.6                          | 4.3              |
| JUL.      | 4.2                | 9.2              | 4.3                        | 0.7      | 2.1                          | 5.5             | 3.7                         | 8.5              | 4.2                        | 1.4      | 1.6                          | 4.5              |
| AGO.      | 4.9                | 11.1             | 4.9                        | 0.7      | 1.6                          | 7.0             | 3.9                         | 8.8              | 4.3                        | 1.4      | 1.6                          | 4.8              |
| SET.      | 4.7                | 8.5              | 5.0                        | 0.9      | 2.5                          | 6.2             | 4.0                         | 8.8              | 4.3                        | 1.3      | 1.7                          | 5.0              |
| OCT.      | 5.4                | 10.2             | 5.8                        | 2.5      | 3.2                          | 6.5             | 4.1                         | 8.9              | 4.5                        | 1.4      | 1.9                          | 5.1              |
| NOV.      | 5.6                | 3.4              | 6.4                        | 5.0      | 2.7                          | 5.9             | 4.2                         | 8.4              | 4.7                        | 1.7      | 1.9                          | 5.2              |
| DIC.      | 5.7                | 3.9              | 5.8                        | 6.5      | 3.3                          | 5.9             | 4.4                         | 8.0              | 4.8                        | 2.1      | 2.1                          | 5.2              |
| 2005 ENE. | 5.1                | 3.1              | 5.0                        | 5.0      | 3.5                          | 5.9             | 5.1                         | 3.1              | 5.0                        | 5.0      | 3.5                          | 5.9              |
| FEB.      | 4.6                | -0.2             | 4.6                        | 7.8      | 1.0                          | 4.6             | 4.9                         | 1.5              | 4.8                        | 6.3      | 2.2                          | 5.2              |
| MAR.      | 4.8                | 6.9              | 4.5                        | 6.5      | 0.7                          | 5.2             | 4.9                         | 3.2              | 4.7                        | 6.4      | 1.7                          | 5.2              |
| ABR.      | 4.4                | 5.8              | 5.2                        | 6.8      | 2.0                          | 3.2             | 4.7                         | 3.8              | 4.8                        | 6.5      | 1.8                          | 4.7              |
| MAY.      | 4.8                | 1.5              | 5.6                        | 7.1      | 3.0                          | 3.7             | 4.7                         | 3.4              | 5.0                        | 6.6      | 2.0                          | 4.5              |
| JUN.      | 5.8                | 7.6              | 6.9                        | 7.8      | 4.3                          | 4.2             | 4.9                         | 4.1              | 5.3                        | 6.8      | 2.4                          | 4.4              |
| JUL.      | 5.8                | 6.6              | 6.7                        | 7.7      | 5.2                          | 4.4             | 5.0                         | 4.5              | 5.5                        | 7.0      | 2.8                          | 4.4              |
| AGO.      | 5.6                | 7.4              | 7.0                        | 8.1      | 5.8                          | 3.4             | 5.1                         | 4.8              | 5.7                        | 7.1      | 3.2                          | 4.3              |
| SET.      | 6.1                | 3.7              | 6.9                        | 8.7      | 5.7                          | 4.7             | 5.2                         | 4.7              | 5.8                        | 7.3      | 3.5                          | 4.3              |
| OCT.      | 5.7                | 2.5              | 7.1                        | 8.3      | 5.8                          | 3.8             | 5.3                         | 4.5              | 6.0                        | 7.4      | 3.7                          | 4.3              |
| NOV.      | 5.8                | 5.0              | 5.8                        | 7.1      | 5.2                          | 5.5             | 5.3                         | 4.5              | 5.9                        | 7.4      | 3.8                          | 4.4              |
| DIC.      | 6.2                | 11.7             | 6.3                        | 6.5      | 4.8                          | 6.1             | 5.4                         | 5.1              | 6.0                        | 7.3      | 3.9                          | 4.5              |
| 2006 ENE. | 6.6                | 9.9              | 5.5                        | 7.9      | 6.3                          | 7.0             | 6.6                         | 9.9              | 5.5                        | 7.9      | 6.3                          | 7.0              |
| FEB.      | 7.1                | 9.4              | 4.9                        | 7.0      | 7.6                          | 8.8             | 6.8                         | 9.6              | 5.2                        | 7.4      | 7.0                          | 7.9              |
| MAR.      | 7.2                | 8.8              | 5.2                        | 8.7      | 7.1                          | 8.5             | 7.0                         | 9.4              | 5.2                        | 7.8      | 7.0                          | 8.1              |
| ABR.      | 7.9                | 12.5             | 5.7                        | 9.0      | 8.4                          | 9.0             | 7.2                         | 10.1             | 5.3                        | 8.1      | 7.4                          | 8.3              |
| MAY.      | 8.1                | 10.8             | 5.2                        | 10.1     | 8.9                          | 9.5             | 7.4                         | 10.3             | 5.3                        | 8.5      | 7.7                          | 8.6              |
| JUN.      | 8.2                | 4.8              | 5.9                        | 10.4     | 10.4                         | 9.1             | 7.5                         | 9.3              | 5.4                        | 8.8      | 8.1                          | 8.6              |
| JUL.      | 9.1                | 3.8              | 7.6                        | 11.6     | 10.2                         | 9.4             | 7.7                         | 8.4              | 5.7                        | 9.2      | 8.4                          | 8.8              |
| AGO.      | 9.7                | 0.8              | 8.4                        | 12.4     | 10.4                         | 10.3            | 8.0                         | 7.4              | 6.1                        | 9.6      | 8.7                          | 9.0              |
| SET.      | 9.4                | 6.9              | 8.8                        | 12.1     | 9.4                          | 9.1             | 8.2                         | 7.4              | 6.4                        | 9.9      | 8.8                          | 9.0              |
| OCT.      | 10.3               | 7.6              | 8.7                        | 12.6     | 10.0                         | 10.9            | 8.4                         | 7.4              | 6.6                        | 10.2     | 8.9                          | 9.2              |
| NOV.      | 10.4               | 5.8              | 9.6                        | 12.6     | 10.9                         | 10.5            | 8.6                         | 7.3              | 6.9                        | 10.4     | 9.1                          | 9.3              |
| DIC.      | 10.1               | 4.3              | 9.1                        | 12.1     | 12.2                         | 10.1            | 8.7                         | 7.0              | 7.1                        | 10.6     | 9.4                          | 9.4              |
| 2007 ENE. | 10.5               | 3.9              | 9.7                        | 12.0     | 10.9                         | 10.9            | 10.5                        | 3.9              | 9.7                        | 12.0     | 10.9                         | 10.9             |
| FEB.      | 10.1               | 1.2              | 10.1                       | 11.3     | 10.3                         | 9.9             | 10.3                        | 2.6              | 9.9                        | 11.6     | 10.6                         | 10.4             |
| MAR.      | 10.1               | -0.2             | 9.3                        | 10.5     | 12.9                         | 10.5            | 10.2                        | 1.7              | 9.7                        | 11.3     | 11.4                         | 10.5             |
| ABR.      | 9.8                | -7.2             | 9.7                        | 9.9      | 11.9                         | 10.1            | 10.1                        | -0.6             | 9.7                        | 10.9     | 11.5                         | 10.4             |
| MAY.      | 8.9                | -3.5             | 9.5                        | 8.5      | 12.7                         | 8.3             | 9.9                         | -1.2             | 9.7                        | 10.5     | 11.8                         | 9.9              |
| JUN.      | 8.9                | -4.3             | 9.1                        | 7.8      | 10.6                         | 9.5             | 9.7                         | -1.7             | 9.6                        | 10.0     | 11.6                         | 9.9              |
| JUL.      | 8.6                | -7.5             | 8.2                        | 8.5      | 9.6                          | 9.6             | 9.5                         | -2.6             | 9.4                        | 9.8      | 11.3                         | 9.8              |
| AGO.      | 9.1                | -2.1             | 9.3                        | 8.1      | 8.2                          | 10.0            | 9.5                         | -2.5             | 9.4                        | 9.6      | 10.9                         | 9.8              |
| SET.      | 9.9                | -2.7             | 9.7                        | 8.4      | 8.5                          | 11.5            | 9.5                         | -2.5             | 9.4                        | 9.4      | 10.6                         | 10.0             |
| OCT.      | 9.8                | -2.0             | 10.1                       | 8.5      | 9.1                          | 10.6            | 9.6                         | -2.5             | 9.5                        | 9.3      | 10.4                         | 10.1             |
| NOV.      | 9.7                | -4.9             | 9.8                        | 10.2     | 10.0                         | 9.9             | 9.6                         | -2.7             | 9.5                        | 9.4      | 10.4                         | 10.1             |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                  |                            |          |                              |                 | VARIACIÓN PROMEDIO ANUAL 2/ |                  |                            |          |                              |                  |
|-----------|--------------------|------------------|----------------------------|----------|------------------------------|-----------------|-----------------------------|------------------|----------------------------|----------|------------------------------|------------------|
|           | Total              | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac., y<br>comun. | Servicios<br>4/ | Total                       | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac., y<br>comun. | Servicio<br>s 4/ |
| 2008 DIC. | 10.5               | -2.3             | 10.8                       | 10.4     | 8.7                          | 11.2            | 9.7                         | -2.7             | 9.6                        | 9.5      | 10.2                         | 10.2             |
| 2008 ENE. | 10.1               | -4.9             | 9.2                        | 11.5     | 9.9                          | 11.2            | 10.1                        | -4.9             | 9.2                        | 11.5     | 9.9                          | 11.2             |
| FEB.      | 10.5               | -1.2             | 9.1                        | 13.2     | 11.4                         | 11.0            | 10.3                        | -3.0             | 9.1                        | 12.4     | 10.7                         | 11.1             |
| MAR.      | 11.3               | 1.3              | 9.6                        | 16.0     | 10.0                         | 11.7            | 10.7                        | -1.6             | 9.3                        | 13.6     | 10.4                         | 11.3             |
| ABR.      | 11.7               | 6.7              | 9.3                        | 15.6     | 10.4                         | 12.7            | 10.9                        | 0.4              | 9.3                        | 14.1     | 10.4                         | 11.7             |
| MAY.      | 12.2               | 10.5             | 9.4                        | 16.7     | 9.6                          | 13.5            | 11.2                        | 2.4              | 9.3                        | 14.6     | 10.3                         | 12.0             |
| JUN.      | 11.5               | 10.1             | 7.2                        | 18.0     | 8.6                          | 13.2            | 11.2                        | 3.7              | 9.0                        | 15.2     | 10.0                         | 12.2             |
| JUL.      | 10.7               | 16.6             | 5.5                        | 17.5     | 10.3                         | 12.2            | 11.2                        | 5.5              | 8.5                        | 15.5     | 10.0                         | 12.2             |
| AGO.      | 9.4                | 7.1              | 2.8                        | 15.4     | 10.7                         | 12.5            | 10.9                        | 5.7              | 7.7                        | 15.5     | 10.1                         | 12.3             |
| SET.      | 8.0                | 4.4              | 0.9                        | 15.7     | 12.2                         | 10.4            | 10.6                        | 5.6              | 6.9                        | 15.5     | 10.4                         | 12.0             |
| OCT.      | 8.0                | 5.0              | 0.2                        | 15.4     | 12.1                         | 11.1            | 10.3                        | 5.5              | 6.2                        | 15.5     | 10.5                         | 11.9             |
| NOV.      | 7.9                | 8.5              | -0.2                       | 13.7     | 12.4                         | 11.4            | 10.1                        | 5.8              | 5.6                        | 15.3     | 10.7                         | 11.9             |
| DIC.      | 7.4                | 11.2             | -1.4                       | 16.2     | 13.0                         | 10.0            | 9.9                         | 6.2              | 5.0                        | 15.4     | 10.9                         | 11.7             |
| 2009 ENE. | 6.2                | 9.3              | -2.7                       | 14.4     | 11.7                         | 9.1             | 6.2                         | 9.3              | -2.7                       | 14.4     | 11.7                         | 9.1              |
| FEB.      | 4.9                | 3.7              | -5.4                       | 13.2     | 10.8                         | 9.0             | 5.6                         | 6.5              | -4.1                       | 13.8     | 11.3                         | 9.1              |
| MAR.      | 3.1                | 2.3              | -7.4                       | 9.8      | 10.1                         | 7.6             | 4.7                         | 5.1              | -5.2                       | 12.5     | 10.9                         | 8.6              |
| ABR.      | 2.1                | -0.7             | -9.3                       | 8.5      | 9.1                          | 7.5             | 4.0                         | 3.6              | -6.2                       | 11.5     | 10.4                         | 8.3              |
| MAY.      | 1.0                | -4.1             | -9.7                       | 7.1      | 8.4                          | 6.0             | 3.4                         | 1.9              | -6.9                       | 10.6     | 10.0                         | 7.8              |
| JUN.      | 1.0                | -7.5             | -8.9                       | 6.0      | 8.6                          | 5.7             | 3.0                         | 0.2              | -7.3                       | 9.8      | 9.8                          | 7.4              |
| JUL.      | 0.8                | -9.0             | -8.1                       | 5.4      | 7.5                          | 5.0             | 2.7                         | -1.2             | -7.4                       | 9.2      | 9.4                          | 7.1              |
| AGO.      | 0.8                | -6.0             | -7.8                       | 6.5      | 6.8                          | 4.3             | 2.5                         | -1.8             | -7.4                       | 8.8      | 9.1                          | 6.7              |
| SET.      | 1.2                | -2.4             | -6.3                       | 6.2      | 6.4                          | 3.9             | 2.3                         | -1.9             | -7.3                       | 8.5      | 8.8                          | 6.4              |
| OCT.      | 0.9                | -3.1             | -5.8                       | 5.1      | 3.2                          | 3.9             | 2.2                         | -2.0             | -7.2                       | 8.2      | 8.2                          | 6.1              |
| NOV.      | 0.6                | -6.5             | -5.7                       | 4.9      | 1.3                          | 3.6             | 2.0                         | -2.4             | -7.0                       | 7.9      | 7.5                          | 5.9              |
| DIC.      | 0.7                | -3.2             | -4.7                       | 1.7      | 0.9                          | 4.3             | 1.9                         | -2.5             | -6.8                       | 7.3      | 7.0                          | 5.7              |
| 2010 ENE. | 1.8                | -5.2             | -2.1                       | 3.2      | 1.6                          | 4.2             | 1.8                         | -5.2             | -2.1                       | 3.2      | 1.6                          | 4.2              |
| FEB.      | 2.4                | 0.2              | 0.4                        | 2.2      | 2.2                          | 4.1             | 2.1                         | -2.6             | -0.8                       | 2.7      | 1.9                          | 4.2              |
| MAR.      | 3.5                | -0.7             | 2.3                        | 2.8      | 2.5                          | 5.0             | 2.6                         | -2.0             | 0.2                        | 2.7      | 2.1                          | 4.5              |
| ABR.      | 4.6                | 1.0              | 4.3                        | 3.7      | 2.8                          | 5.5             | 3.1                         | -1.2             | 1.2                        | 3.0      | 2.3                          | 4.7              |
| MAY.      | 5.6                | -3.4             | 5.4                        | 5.6      | 3.0                          | 6.5             | 3.6                         | -1.7             | 2.0                        | 3.5      | 2.4                          | 5.1              |
| JUN.      | 6.4                | 1.2              | 6.9                        | 6.4      | 3.0                          | 6.8             | 4.1                         | -1.2             | 2.8                        | 4.0      | 2.5                          | 5.4              |
| JUL.      | 6.7                | 2.1              | 7.5                        | 6.7      | 2.9                          | 6.9             | 4.4                         | -0.7             | 3.5                        | 4.4      | 2.6                          | 5.6              |
| AGO.      | 6.8                | 6.0              | 8.4                        | 8.1      | 3.3                          | 5.9             | 4.7                         | 0.1              | 4.1                        | 4.8      | 2.7                          | 5.6              |
| SET.      | 7.2                | 5.6              | 8.6                        | 8.9      | 3.4                          | 6.3             | 5.0                         | 0.7              | 4.6                        | 5.3      | 2.7                          | 5.7              |
| OCT.      | 7.7                | 5.6              | 9.1                        | 10.6     | 5.4                          | 6.0             | 5.3                         | 1.1              | 5.0                        | 5.8      | 3.0                          | 5.7              |
| NOV.      | 8.3                | 5.7              | 9.8                        | 10.9     | 7.0                          | 6.5             | 5.6                         | 1.5              | 5.5                        | 6.3      | 3.4                          | 5.8              |
| DIC.      | 8.2                | -5.7             | 10.2                       | 11.8     | 7.4                          | 6.0             | 5.8                         | 0.9              | 5.9                        | 6.8      | 3.7                          | 5.8              |
| 2011 ENE. | 7.7                | 0.1              | 8.7                        | 10.8     | 7.3                          | 6.2             | 7.7                         | 0.1              | 8.7                        | 10.8     | 7.3                          | 6.2              |
| FEB.      | 8.2                | 2.3              | 9.5                        | 12.0     | 6.6                          | 6.4             | 8.0                         | 1.2              | 9.1                        | 11.4     | 6.9                          | 6.3              |
| MAR.      | 8.2                | 3.4              | 8.9                        | 12.4     | 6.9                          | 6.4             | 8.0                         | 2.0              | 9.0                        | 11.7     | 6.9                          | 6.3              |
| ABR.      | 8.2                | 3.3              | 9.3                        | 12.4     | 6.2                          | 6.4             | 8.1                         | 2.3              | 9.1                        | 11.9     | 6.7                          | 6.4              |
| MAY.      | 7.8                | 2.8              | 8.9                        | 11.3     | 6.6                          | 6.0             | 8.0                         | 2.4              | 9.1                        | 11.8     | 6.7                          | 6.3              |
| JUN.      | 7.3                | 1.7              | 7.7                        | 10.8     | 7.3                          | 6.0             | 7.9                         | 2.3              | 8.8                        | 11.6     | 6.8                          | 6.2              |
| JUL.      | 7.2                | 2.3              | 7.0                        | 10.2     | 7.3                          | 6.4             | 7.8                         | 2.3              | 8.6                        | 11.4     | 6.9                          | 6.3              |
| AGO.      | 7.4                | 3.4              | 6.4                        | 8.9      | 9.0                          | 7.3             | 7.8                         | 2.4              | 8.3                        | 11.1     | 7.2                          | 6.4              |
| SET.      | 6.6                | 2.3              | 5.3                        | 7.4      | 7.8                          | 7.0             | 7.6                         | 2.4              | 7.9                        | 10.7     | 7.2                          | 6.5              |
| OCT.      | 6.3                | 1.4              | 4.2                        | 6.3      | 8.7                          | 7.4             | 7.5                         | 2.3              | 7.6                        | 10.2     | 7.4                          | 6.6              |
| NOV.      | 6.1                | 2.3              | 3.2                        | 7.1      | 8.8                          | 7.2             | 7.3                         | 2.3              | 7.1                        | 9.9      | 7.5                          | 6.6              |
| DIC.      | 5.4                | 2.5              | 2.5                        | 5.9      | 8.9                          | 6.6             | 7.2                         | 2.3              | 6.7                        | 9.5      | 7.6                          | 6.6              |
| 2012 ENE. | 5.0                | 4.1              | 1.9                        | 2.9      | 8.7                          | 7.3             | 5.0                         | 4.1              | 1.9                        | 2.9      | 8.7                          | 7.3              |
| FEB.      | 4.6                | 6.1              | 0.9                        | 3.5      | 10.6                         | 6.5             | 4.8                         | 5.1              | 1.4                        | 3.2      | 9.6                          | 6.9              |
| MAR.      | 4.1                | 6.2              | 0.4                        | 3.6      | 8.4                          | 6.0             | 4.6                         | 5.5              | 1.1                        | 3.3      | 9.2                          | 6.6              |
| ABR.      | 3.8                | 6.0              | -0.4                       | 3.7      | 9.5                          | 5.6             | 4.4                         | 5.6              | 0.7                        | 3.4      | 9.3                          | 6.3              |
| MAY.      | 4.2                | 7.3              | -0.5                       | 4.7      | 9.3                          | 6.1             | 4.4                         | 6.0              | 0.4                        | 3.7      | 9.3                          | 6.3              |
| JUN.      | 4.4                | 7.5              | 0.4                        | 3.7      | 8.8                          | 6.4             | 4.4                         | 6.2              | 0.4                        | 3.7      | 9.2                          | 6.3              |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS  
TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                  |                            |          |                              |                 | VARIACIÓN PROMEDIO ANUAL 2/ |                  |                            |          |                              |                  |
|-----------|--------------------|------------------|----------------------------|----------|------------------------------|-----------------|-----------------------------|------------------|----------------------------|----------|------------------------------|------------------|
|           | Total              | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac., y<br>comun. | Servicios<br>4/ | Total                       | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac., y<br>comun. | Servicio<br>s 4/ |
| JUL.      | 4.6                | 5.0              | 1.1                        | 4.2      | 9.5                          | 6.1             | 4.4                         | 6.0              | 0.5                        | 3.8      | 9.2                          | 6.3              |
| AGO.      | 4.9                | 6.6              | 1.7                        | 4.7      | 7.2                          | 6.6             | 4.5                         | 6.1              | 0.7                        | 3.9      | 9.0                          | 6.3              |
| SET.      | 5.4                | 10.2             | 2.3                        | 5.2      | 7.0                          | 7.1             | 4.6                         | 6.6              | 0.9                        | 4.0      | 8.7                          | 6.4              |
| OCT.      | 5.0                | 10.0             | 2.4                        | 5.2      | 3.9                          | 6.5             | 4.6                         | 6.9              | 1.0                        | 4.1      | 8.3                          | 6.4              |
| NOV.      | 4.7                | 8.5              | 2.6                        | 4.2      | 3.2                          | 6.5             | 4.6                         | 7.1              | 1.2                        | 4.1      | 7.8                          | 6.4              |
| DIC.      | 5.3                | 9.9              | 2.7                        | 6.1      | 2.8                          | 6.9             | 4.7                         | 7.3              | 1.3                        | 4.3      | 7.3                          | 6.5              |
| 2013 ENE. | 5.5                | 11.7             | 2.8                        | 7.2      | 2.8                          | 6.8             | 5.5                         | 11.7             | 2.8                        | 7.2      | 2.8                          | 6.8              |
| FEB.      | 5.3                | 6.9              | 3.8                        | 7.8      | -0.1                         | 6.4             | 5.4                         | 9.2              | 3.3                        | 7.5      | 1.4                          | 6.6              |
| MAR.      | 5.6                | 5.1              | 3.7                        | 7.8      | 1.2                          | 6.9             | 5.5                         | 7.8              | 3.4                        | 7.6      | 1.3                          | 6.7              |
| ABR.      | 5.5                | 4.9              | 4.1                        | 7.7      | 0.6                          | 6.4             | 5.5                         | 7.1              | 3.6                        | 7.6      | 1.1                          | 6.6              |
| MAY.      | 5.0                | 3.6              | 3.5                        | 6.9      | 1.5                          | 6.0             | 5.4                         | 6.4              | 3.6                        | 7.5      | 1.2                          | 6.5              |
| JUN.      | 4.3                | 4.5              | 2.2                        | 7.1      | 1.0                          | 5.1             | 5.2                         | 6.1              | 3.3                        | 7.4      | 1.2                          | 6.3              |
| JUL.      | 4.0                | 5.4              | 1.9                        | 7.0      | 1.0                          | 4.6             | 5.0                         | 6.0              | 3.1                        | 7.4      | 1.2                          | 6.0              |
| AGO.      | 3.9                | 2.7              | 1.5                        | 6.3      | 1.1                          | 5.0             | 4.9                         | 5.6              | 2.9                        | 7.2      | 1.1                          | 5.9              |
| SET.      | 2.9                | 0.4              | 1.2                        | 6.3      | 1.7                          | 3.0             | 4.7                         | 5.0              | 2.7                        | 7.1      | 1.2                          | 5.6              |
| OCT.      | 3.9                | 1.2              | 1.5                        | 6.4      | 4.6                          | 4.2             | 4.6                         | 4.6              | 2.6                        | 7.0      | 1.5                          | 5.4              |
| NOV.      | 3.8                | 1.1              | 2.0                        | 6.5      | 4.2                          | 3.8             | 4.5                         | 4.2              | 2.6                        | 7.0      | 1.8                          | 5.3              |
| DIC.      | 3.0                | 0.7              | 1.3                        | 5.5      | 3.4                          | 3.0             | 4.4                         | 3.9              | 2.4                        | 6.9      | 1.9                          | 5.1              |
| 2014 ENE. | 2.9                | -1.4             | 0.8                        | 6.0      | 2.7                          | 3.1             | 2.9                         | -1.4             | 0.8                        | 6.0      | 2.7                          | 3.1              |
| FEB.      | 2.7                | -0.5             | -0.1                       | 4.7      | 3.7                          | 3.5             | 2.8                         | -1.0             | 0.4                        | 5.3      | 3.2                          | 3.3              |
| MAR.      | 2.4                | 1.2              | -0.1                       | 4.4      | 3.2                          | 3.0             | 2.7                         | -0.2             | 0.2                        | 5.0      | 3.2                          | 3.2              |
| ABR.      | 2.8                | 2.2              | -0.6                       | 4.9      | 3.5                          | 3.8             | 2.7                         | 0.4              | 0.0                        | 5.0      | 3.3                          | 3.4              |
| MAY.      | 2.6                | 2.2              | -0.2                       | 3.8      | 2.3                          | 3.9             | 2.7                         | 0.7              | 0.0                        | 4.7      | 3.1                          | 3.5              |
| JUN.      | 2.9                | 0.8              | 0.1                        | 3.8      | 2.0                          | 4.4             | 2.7                         | 0.7              | 0.0                        | 4.6      | 2.9                          | 3.6              |
| JUL.      | 2.9                | 1.2              | -0.7                       | 4.2      | 1.9                          | 4.8             | 2.7                         | 0.8              | -0.1                       | 4.5      | 2.7                          | 3.8              |
| AGO.      | 2.5                | 2.1              | -1.3                       | 3.6      | 2.4                          | 4.4             | 2.7                         | 1.0              | -0.3                       | 4.4      | 2.7                          | 3.9              |
| SET.      | 3.2                | 1.8              | -0.9                       | 3.9      | 1.7                          | 5.6             | 2.8                         | 1.0              | -0.3                       | 4.4      | 2.6                          | 4.1              |
| OCT.      | 2.5                | 2.1              | -1.0                       | 2.8      | 1.2                          | 4.6             | 2.7                         | 1.2              | -0.4                       | 4.2      | 2.4                          | 4.1              |
| NOV.      | 2.4                | 2.2              | -1.2                       | 1.8      | 1.0                          | 5.0             | 2.7                         | 1.2              | -0.5                       | 4.0      | 2.3                          | 4.2              |
| DIC.      | 2.5                | -0.7             | -1.4                       | 1.4      | 1.2                          | 5.7             | 2.7                         | 1.1              | -0.6                       | 3.8      | 2.2                          | 4.3              |
| 2015 ENE. | 1.8                | -1.9             | -1.3                       | 1.7      | 1.1                          | 4.1             | 1.8                         | -1.9             | -1.3                       | 1.7      | 1.1                          | 4.1              |
| FEB.      | 1.7                | -2.6             | -1.1                       | 1.6      | 0.7                          | 3.8             | 1.8                         | -2.2             | -1.2                       | 1.7      | 0.9                          | 4.0              |
| MAR.      | 1.8                | -3.2             | -1.1                       | 1.2      | 1.0                          | 4.2             | 1.8                         | -2.6             | -1.2                       | 1.5      | 0.9                          | 4.0              |
| ABR.      | 1.3                | -4.9             | -1.1                       | 1.3      | 0.0                          | 3.0             | 1.7                         | -3.1             | -1.2                       | 1.5      | 0.7                          | 3.8              |
| MAY.      | 1.5                | -3.1             | -1.4                       | 2.3      | -0.5                         | 3.4             | 1.6                         | -3.1             | -1.2                       | 1.6      | 0.5                          | 3.7              |
| JUN.      | 1.1                | -4.0             | -2.3                       | 1.8      | 0.3                          | 3.1             | 1.5                         | -3.3             | -1.4                       | 1.7      | 0.4                          | 3.6              |
| JUL.      | 0.6                | -4.1             | -2.2                       | 0.8      | -0.4                         | 2.5             | 1.4                         | -3.4             | -1.5                       | 1.5      | 0.3                          | 3.4              |
| AGO.      | 1.0                | -6.0             | -2.3                       | 1.8      | -0.7                         | 3.1             | 1.4                         | -3.7             | -1.6                       | 1.6      | 0.2                          | 3.4              |
| SET.      | 0.5                | -6.3             | -2.2                       | 1.3      | 0.1                          | 2.0             | 1.3                         | -4.0             | -1.7                       | 1.5      | 0.2                          | 3.2              |
| OCT.      | 0.7                | -8.3             | -2.6                       | 1.1      | 0.1                          | 2.7             | 1.2                         | -4.5             | -1.8                       | 1.5      | 0.2                          | 3.2              |
| NOV.      | 0.3                | -8.6             | -2.4                       | 1.8      | 1.0                          | 1.5             | 1.1                         | -4.8             | -1.8                       | 1.5      | 0.2                          | 3.0              |
| DIC.      | -0.1               | -7.0             | -2.5                       | 0.8      | 1.1                          | 1.0             | 1.0                         | -5.0             | -1.9                       | 1.5      | 0.3                          | 2.8              |
| 2016 ENE. | 0.6                | -6.6             | -2.2                       | 1.0      | 1.1                          | 2.1             | 0.6                         | -6.6             | -2.2                       | 1.0      | 1.1                          | 2.1              |
| FEB.      | 0.5                | -7.2             | -2.4                       | 0.7      | 1.5                          | 2.2             | 0.6                         | -6.9             | -2.3                       | 0.8      | 1.3                          | 2.2              |
| MAR.      | 0.7                | -6.9             | -1.8                       | 1.6      | 1.5                          | 2.0             | 0.6                         | -6.9             | -2.1                       | 1.1      | 1.4                          | 2.1              |
| ABR.      | 0.2                | -6.1             | -1.5                       | 0.8      | 2.3                          | 0.8             | 0.5                         | -6.7             | -2.0                       | 1.0      | 1.6                          | 1.8              |
| MAY.      | 0.3                | -8.7             | -2.3                       | 0.8      | 2.7                          | 1.3             | 0.5                         | -7.1             | -2.0                       | 1.0      | 1.8                          | 1.7              |
| JUN.      | 0.4                | -8.9             | -1.5                       | 1.2      | 1.0                          | 1.3             | 0.5                         | -7.4             | -2.0                       | 1.0      | 1.7                          | 1.6              |
| JUL.      | 0.7                | -8.0             | -1.7                       | 1.1      | 0.3                          | 2.0             | 0.5                         | -7.5             | -1.9                       | 1.0      | 1.5                          | 1.7              |
| AGO.      | 0.9                | -6.5             | -0.5                       | 0.6      | -0.2                         | 2.2             | 0.5                         | -7.4             | -1.7                       | 1.0      | 1.3                          | 1.7              |
| SET.      | 1.2                | -5.6             | -0.6                       | 0.9      | -0.7                         | 2.8             | 0.6                         | -7.2             | -1.6                       | 1.0      | 1.1                          | 1.8              |
| OCT.      | 0.4                | -4.6             | -0.2                       | 1.7      | -0.5                         | 0.6             | 0.6                         | -6.9             | -1.5                       | 1.0      | 0.9                          | 1.7              |
| NOV.      | 0.8                | -4.4             | -0.6                       | 1.4      | -1.2                         | 1.8             | 0.6                         | -6.7             | -1.4                       | 1.1      | 0.7                          | 1.7              |
| DIC.      | 0.9                | -4.1             | -0.5                       | 3.3      | -2.9                         | 1.4             | 0.6                         | -6.5             | -1.3                       | 1.3      | 0.4                          | 1.7              |
| 2017 ENE. | 0.6                | -3.1             | -0.8                       | 2.7      | -3.6                         | 1.4             | 0.6                         | -3.1             | -0.8                       | 2.7      | -3.6                         | 1.4              |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, OCTUBRE 1998 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |               |                         |          |                           |              | VARIACIÓN PROMEDIO ANUAL 2/ |               |                         |          |                           |              |
|-----------|--------------------|---------------|-------------------------|----------|---------------------------|--------------|-----------------------------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total              | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ | Total                       | Extractiva 3/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 4/ |
| FEB.      | 0.5                | -3.6          | -0.4                    | 1.6      | -3.4                      | 1.5          | 0.6                         | -3.4          | -0.6                    | 2.1      | -3.5                      | 1.4          |
| MAR.      | 0.0                | -2.9          | -1.6                    | 1.2      | -3.7                      | 1.2          | 0.4                         | -3.2          | -1.0                    | 1.8      | -3.6                      | 1.4          |
| ABR.      | 0.2                | -1.8          | -2.4                    | 1.4      | -4.6                      | 2.1          | 0.3                         | -2.9          | -1.3                    | 1.7      | -3.8                      | 1.5          |
| MAY.      | 0.0                | -1.5          | -1.4                    | 0.3      | -4.5                      | 1.4          | 0.3                         | -2.6          | -1.3                    | 1.4      | -4.0                      | 1.5          |
| JUN.      | -0.2               | -0.5          | -1.3                    | -0.7     | -3.6                      | 1.1          | 0.2                         | -2.3          | -1.3                    | 1.1      | -3.9                      | 1.4          |
| JUL.      | -0.7               | -1.4          | -1.0                    | -0.4     | -3.6                      | -0.1         | 0.1                         | -2.1          | -1.3                    | 0.9      | -3.9                      | 1.2          |
| AGO.      | -0.5               | -1.6          | -1.1                    | 0.3      | -2.9                      | -0.1         | 0.0                         | -2.1          | -1.3                    | 0.8      | -3.8                      | 1.0          |
| SET.      | -0.7               | -4.7          | -1.3                    | 0.7      | -2.2                      | -0.6         | -0.1                        | -2.4          | -1.3                    | 0.8      | -3.6                      | 0.9          |
| OCT.      | -0.8               | -4.3          | -1.7                    | 0.1      | -3.3                      | -0.1         | -0.2                        | -2.5          | -1.3                    | 0.7      | -3.6                      | 0.8          |
| NOV.      | -0.8               | -2.8          | -1.6                    | 0.8      | -2.8                      | -0.6         | -0.2                        | -2.6          | -1.3                    | 0.7      | -3.5                      | 0.6          |
| DIC.      | -0.9               | -2.8          | -2.1                    | -0.6     | -1.0                      | -0.3         | -0.3                        | -2.6          | -1.4                    | 0.6      | -3.3                      | 0.5          |
| 2018 ENE. | -0.1               | -4.9          | -1.3                    | -0.8     | -0.1                      | 1.1          | -0.1                        | -4.9          | -1.3                    | -0.8     | -0.1                      | 1.1          |
| FEB.      | -0.2               | -1.1          | -1.3                    | 0.3      | 0.2                       | 0.2          | -0.1                        | -3.0          | -1.3                    | -0.3     | 0.1                       | 0.6          |
| MAR.      | -0.1               | -3.0          | -1.2                    | 0.7      | -0.1                      | 0.3          | -0.1                        | -3.0          | -1.3                    | 0.1      | 0.0                       | 0.5          |
| ABR.      | 0.0                | -3.3          | -1.0                    | 0.6      | 0.8                       | 0.2          | -0.1                        | -3.0          | -1.2                    | 0.2      | 0.2                       | 0.4          |
| MAY.      | 0.7                | -1.1          | -0.6                    | 1.7      | 0.7                       | 0.9          | 0.1                         | -2.7          | -1.1                    | 0.5      | 0.3                       | 0.5          |
| JUN.      | 0.9                | -2.0          | -0.4                    | 2.6      | 1.6                       | 0.8          | 0.2                         | -2.5          | -1.0                    | 0.8      | 0.5                       | 0.6          |
| JUL.      | 0.7                | -2.0          | -0.4                    | 1.9      | 1.7                       | 0.7          | 0.3                         | -2.5          | -0.9                    | 1.0      | 0.7                       | 0.6          |
| AGO.      | 0.7                | -2.1          | -0.2                    | 1.4      | 2.0                       | 0.7          | 0.3                         | -2.4          | -0.8                    | 1.0      | 0.8                       | 0.6          |
| SET.      | 0.7                | 1.2           | -0.3                    | 0.1      | 1.1                       | 1.3          | 0.4                         | -2.0          | -0.7                    | 0.9      | 0.9                       | 0.7          |
| OCT.      | 1.0                | 0.8           | -0.3                    | 0.7      | 1.2                       | 1.8          | 0.4                         | -1.7          | -0.7                    | 0.9      | 0.9                       | 0.8          |
| NOV.      | 1.1                | 0.5           | -0.2                    | 0.5      | 0.5                       | 2.1          | 0.5                         | -1.5          | -0.7                    | 0.9      | 0.9                       | 0.9          |
| DIC.      | 1.2                | 1.2           | 0.3                     | 1.0      | 2.6                       | 1.5          | 0.6                         | -1.3          | -0.6                    | 0.9      | 1.0                       | 1.0          |
| 2019 ENE. | 0.8                | 4.4           | -0.2                    | 0.1      | 2.6                       | 1.2          | 0.8                         | 4.4           | -0.2                    | 0.1      | 2.6                       | 1.2          |
| FEB.      | 0.6                | 0.3           | -0.3                    | 0.3      | 1.7                       | 1.1          | 0.7                         | 2.3           | -0.3                    | 0.2      | 2.2                       | 1.1          |
| MAR.      | 1.0                | 1.9           | 0.0                     | 0.6      | 2.1                       | 1.5          | 0.8                         | 2.2           | -0.2                    | 0.3      | 2.1                       | 1.2          |
| ABR.      | 0.9                | 1.5           | 0.1                     | 0.3      | 2.2                       | 1.3          | 0.8                         | 2.0           | -0.1                    | 0.3      | 2.2                       | 1.3          |
| MAY.      | 0.5                | 0.5           | -0.7                    | 0.2      | 2.2                       | 0.8          | 0.8                         | 1.7           | -0.2                    | 0.3      | 2.2                       | 1.2          |
| JUN.      | 0.5                | 2.8           | -0.8                    | 0.4      | 1.2                       | 0.9          | 0.7                         | 1.9           | -0.3                    | 0.3      | 2.0                       | 1.1          |
| JUL.      | 0.6                | 2.7           | -0.9                    | 0.9      | 1.6                       | 0.9          | 0.7                         | 2.0           | -0.4                    | 0.4      | 2.0                       | 1.1          |
| AGO. P    | 0.6                | 2.0           | -1.5                    | 1.0      | 1.6                       | 1.2          | 0.7                         | 2.0           | -0.5                    | 0.5      | 1.9                       | 1.1          |

**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao. La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en octubre 1998.

1/ Variación porcentual respecto al mismo mes del año anterior.

2/ Variación porcentual de un periodo comprendido desde enero hasta el mes de referencia del año corriente respecto al mismo periodo del año anterior.

3/ Conformada por las subramas agricultura, pesca y minería.

4/ Conformada por las subramas servicios prestados a empresas, restaurantes y hoteles, establecimientos financieros, enseñanza, servicios sociales y comunales; y electricidad, gas y agua.

P/ Cifras preliminares.

**Fuente:** MTPE – Encuesta Nacional de Variación Mensual del Empleo (ENVME).

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: VARIACIÓN ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | Industria manufacturera |                                           |                                               |                                                               |                                                                               |                                          |                                                                           | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |       |
|-----------|-------------------------|-------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|-------|
|           | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confección es e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |       |
|           |                         |                                           |                                               |                                                               |                                                                               |                                          |                                                                           |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |       |
| 1995      | ENE.                    | -1.9                                      | -1.6                                          | 1.9                                                           | -4.5                                                                          | -0.5                                     | -4.8                                                                      | 4.0      | -1.5                  | 7.5                   | 2.0       | 16.5                   | -3.9                         | 6.3     | 4.9                          | -50.7                                          | -3.1                                   | 6.8                            | 0.5   |
|           | FEB.                    | -2.2                                      | -1.1                                          | 0.7                                                           | -2.5                                                                          | -0.9                                     | -4.2                                                                      | 4.2      | -1.8                  | 7.3                   | 0.8       | 18.1                   | -5.2                         | 5.3     | 1.7                          | -47.4                                          | 0.0                                    | -2.7                           | 3.3   |
|           | MAR.                    | -3.3                                      | -1.8                                          | -2.8                                                          | -3.0                                                                          | -2.5                                     | -2.4                                                                      | 4.0      | -0.8                  | 8.6                   | 1.5       | 20.4                   | -7.3                         | 2.5     | -0.6                         | -48.2                                          | -0.6                                   | -6.0                           | 1.2   |
|           | ABR.                    | -2.2                                      | -1.1                                          | -1.4                                                          | -2.1                                                                          | -3.7                                     | -1.5                                                                      | 3.4      | -1.2                  | 8.5                   | -2.1      | 27.4                   | -5.4                         | 4.3     | -1.0                         | -49.3                                          | 0.3                                    | 1.0                            | -0.3  |
|           | MAY.                    | -2.0                                      | -1.6                                          | -1.1                                                          | -2.2                                                                          | -5.2                                     | -1.9                                                                      | 1.4      | -1.7                  | 8.6                   | -3.0      | 30.1                   | -4.0                         | 1.6     | -1.9                         | -49.2                                          | 3.1                                    | 1.9                            | 0.4   |
|           | JUN.                    | -2.1                                      | -3.2                                          | -5.8                                                          | -3.7                                                                          | -7.3                                     | -0.2                                                                      | 0.1      | -1.2                  | 9.9                   | -2.7      | 21.5                   | -2.6                         | 3.9     | -2.4                         | -45.2                                          | 5.4                                    | 3.9                            | -2.0  |
|           | JUL.                    | -1.2                                      | -3.6                                          | -5.7                                                          | -4.2                                                                          | -10.6                                    | -0.2                                                                      | -1.2     | -2.7                  | 11.1                  | 6.8       | 17.2                   | -0.7                         | 3.3     | -1.5                         | -31.5                                          | 6.9                                    | 2.3                            | 0.0   |
|           | AGO.                    | -0.7                                      | -3.4                                          | -6.1                                                          | -4.6                                                                          | -10.5                                    | 1.6                                                                       | -1.0     | -1.9                  | 10.9                  | 6.4       | 37.4                   | 0.3                          | 1.0     | -1.6                         | -24.3                                          | 8.4                                    | 1.8                            | 2.0   |
|           | SET.                    | 0.9                                       | -3.1                                          | -6.8                                                          | -4.6                                                                          | -5.9                                     | 3.1                                                                       | 0.3      | -2.2                  | 12.4                  | 6.8       | 21.0                   | 3.0                          | 2.9     | -1.6                         | -3.4                                           | 8.9                                    | 3.2                            | 5.4   |
|           | OCT.                    | 1.0                                       | -3.1                                          | -2.7                                                          | -6.3                                                                          | -10.0                                    | 3.3                                                                       | -2.8     | -1.5                  | 12.6                  | 8.1       | 19.4                   | 3.5                          | 0.0     | -2.9                         | 4.6                                            | 8.8                                    | 3.2                            | 4.3   |
|           | NOV.                    | 1.7                                       | -3.1                                          | -1.7                                                          | -8.0                                                                          | -10.7                                    | 4.4                                                                       | -0.5     | -1.6                  | 13.2                  | 8.5       | 20.2                   | 4.9                          | 1.6     | -3.2                         | 35.5                                           | 5.7                                    | 4.0                            | 6.8   |
|           | DIC.                    | 1.3                                       | -3.5                                          | -2.0                                                          | -8.9                                                                          | -10.1                                    | 5.5                                                                       | -2.7     | -2.2                  | 8.8                   | 5.5       | 13.3                   | 5.1                          | 3.5     | -2.6                         | 42.3                                           | 3.9                                    | 4.8                            | 7.7   |
| 1996      | ENE.                    | 2.1                                       | -3.5                                          | 4.5                                                           | -7.3                                                                          | -5.6                                     | 6.7                                                                       | -4.1     | -4.7                  | 14.6                  | 5.7       | 26.9                   | 5.6                          | 3.1     | 0.2                          | 48.3                                           | 5.9                                    | 3.5                            | 0.6   |
|           | FEB.                    | 0.8                                       | -5.7                                          | -10.2                                                         | -7.4                                                                          | -5.9                                     | 7.3                                                                       | -5.7     | -8.1                  | 14.2                  | 4.4       | 23.1                   | 5.2                          | 2.2     | 1.6                          | 42.0                                           | 4.2                                    | 2.9                            | 4.4   |
|           | MAR.                    | 2.3                                       | -4.7                                          | -8.4                                                          | -4.8                                                                          | -6.5                                     | 6.5                                                                       | -5.5     | -8.0                  | 16.3                  | 7.1       | 28.5                   | 7.2                          | -0.5    | 3.3                          | 42.1                                           | 2.7                                    | 6.6                            | 3.0   |
|           | ABR.                    | 2.9                                       | -3.8                                          | -6.9                                                          | -3.4                                                                          | -3.7                                     | 5.8                                                                       | -4.3     | -8.5                  | 16.1                  | 9.4       | 23.9                   | 7.3                          | 0.0     | 5.3                          | 49.0                                           | 3.0                                    | 4.6                            | 2.9   |
|           | MAY.                    | 3.0                                       | -2.9                                          | -5.5                                                          | -4.1                                                                          | -2.4                                     | 6.9                                                                       | -3.2     | -6.1                  | 16.2                  | 9.5       | 23.3                   | 6.3                          | -1.0    | 7.9                          | 44.8                                           | -0.7                                   | 3.2                            | 5.0   |
|           | JUN.                    | 4.0                                       | -1.4                                          | -5.4                                                          | -0.3                                                                          | -1.0                                     | 7.0                                                                       | -0.8     | -5.7                  | 15.2                  | 8.1       | 22.7                   | 7.3                          | -2.1    | 12.3                         | 52.6                                           | -2.5                                   | 2.1                            | 7.1   |
|           | JUL.                    | 4.0                                       | -2.1                                          | -8.5                                                          | 0.5                                                                           | 0.1                                      | 7.6                                                                       | -3.6     | -6.0                  | 14.6                  | 5.0       | 26.1                   | 8.0                          | -0.3    | 13.1                         | 44.2                                           | -1.3                                   | 3.4                            | 8.0   |
|           | AGO.                    | 3.8                                       | -2.5                                          | -9.5                                                          | 1.6                                                                           | 0.1                                      | 5.7                                                                       | -3.4     | -6.7                  | 13.3                  | 3.4       | 25.5                   | 8.3                          | 3.8     | 13.4                         | 44.8                                           | -2.6                                   | 3.6                            | 7.1   |
|           | SET.                    | 3.4                                       | -2.7                                          | -8.1                                                          | 0.5                                                                           | 1.9                                      | 5.3                                                                       | -3.8     | -8.1                  | 15.4                  | 3.2       | 31.3                   | 7.0                          | 1.0     | 15.3                         | 24.0                                           | -0.4                                   | 2.0                            | 2.4   |
|           | OCT.                    | 4.4                                       | 0.0                                           | -5.1                                                          | 6.0                                                                           | 5.4                                      | 1.6                                                                       | -1.6     | -14.8                 | 14.8                  | 0.1       | 35.0                   | 6.4                          | 6.4     | 16.2                         | 15.4                                           | -1.4                                   | 2.8                            | 14.3  |
|           | NOV.                    | 4.3                                       | -0.1                                          | -6.9                                                          | 8.0                                                                           | 4.3                                      | 2.3                                                                       | -4.1     | -5.6                  | 13.4                  | -2.7      | 36.3                   | 6.8                          | 7.1     | 16.4                         | 12.4                                           | 1.3                                    | 3.5                            | -2.8  |
|           | DIC.                    | 5.3                                       | 0.4                                           | -5.8                                                          | 9.6                                                                           | 4.1                                      | 1.0                                                                       | -3.3     | -5.5                  | 16.7                  | -4.3      | 47.6                   | 7.6                          | 3.6     | 17.1                         | 14.3                                           | 3.2                                    | 4.2                            | -2.0  |
| 1997      | ENE.                    | 5.0                                       | 2.1                                           | -3.0                                                          | 12.6                                                                          | 7.0                                      | 0.4                                                                       | -1.3     | -6.5                  | 7.9                   | -6.8      | 27.5                   | 7.2                          | -0.7    | 15.4                         | 16.0                                           | 4.4                                    | 3.6                            | -2.4  |
|           | FEB.                    | 5.1                                       | 2.4                                           | -1.4                                                          | 11.6                                                                          | 7.8                                      | -1.2                                                                      | -1.9     | -4.4                  | 8.0                   | -8.5      | 30.3                   | 7.1                          | -0.8    | 14.4                         | 16.4                                           | 5.6                                    | 3.3                            | -2.0  |
|           | MAR.                    | 3.7                                       | 1.7                                           | 4.5                                                           | 9.3                                                                           | 9.2                                      | 0.2                                                                       | -2.6     | -2.6                  | 1.1                   | -11.2     | 17.7                   | 6.8                          | 0.2     | 13.8                         | 17.7                                           | 4.1                                    | 2.8                            | -0.8  |
|           | ABR.                    | 4.1                                       | 1.1                                           | 4.7                                                           | 9.0                                                                           | 6.6                                      | 0.2                                                                       | -3.1     | -3.7                  | 0.2                   | -11.7     | 16.1                   | 8.5                          | 1.2     | 12.6                         | 14.0                                           | 3.5                                    | 9.1                            | 1.8   |
|           | MAY.                    | 3.7                                       | 1.4                                           | 6.3                                                           | 12.6                                                                          | 5.6                                      | -0.2                                                                      | -3.9     | -4.0                  | -0.1                  | -12.7     | 15.8                   | 7.2                          | 0.2     | 10.6                         | 14.3                                           | 3.8                                    | 1.6                            | 3.8   |
|           | JUN.                    | 2.6                                       | 0.3                                           | -7.0                                                          | 9.9                                                                           | 6.9                                      | -0.5                                                                      | -4.8     | -6.1                  | 1.4                   | -11.2     | 16.2                   | 5.4                          | 0.9     | 8.8                          | -1.6                                           | 3.1                                    | 7.3                            | -1.6  |
|           | JUL.                    | 2.7                                       | 1.2                                           | -2.9                                                          | 9.3                                                                           | 7.3                                      | -1.2                                                                      | -2.9     | -6.3                  | 0.9                   | -9.5      | 12.5                   | 4.9                          | 3.9     | 7.5                          | -0.9                                           | 2.9                                    | 6.7                            | -3.0  |
|           | AGO.                    | 3.1                                       | 2.1                                           | -0.3                                                          | 9.8                                                                           | 5.1                                      | 0.1                                                                       | -1.2     | -6.7                  | 2.7                   | -8.7      | 14.6                   | 4.3                          | 1.3     | 9.2                          | -6.3                                           | 5.7                                    | 3.5                            | -0.4  |
|           | SET.                    | 3.4                                       | 2.4                                           | -0.4                                                          | 10.9                                                                          | 4.2                                      | -1.1                                                                      | 0.4      | -5.1                  | 1.1                   | -8.8      | 10.9                   | 5.1                          | 1.4     | 8.7                          | -0.4                                           | 2.9                                    | 5.9                            | 1.6   |
|           | OCT.                    | 2.4                                       | 0.1                                           | -6.2                                                          | 8.0                                                                           | 2.9                                      | -1.3                                                                      | 1.2      | -4.2                  | 2.7                   | -8.0      | 12.7                   | 4.5                          | -3.9    | 6.7                          | -2.1                                           | 3.0                                    | 6.9                            | 0.4   |
|           | NOV.                    | 3.3                                       | 1.0                                           | -3.7                                                          | 6.9                                                                           | 4.1                                      | 1.8                                                                       | 4.8      | -6.3                  | 4.2                   | -4.5      | 11.6                   | 5.2                          | -4.0    | 8.3                          | 3.1                                            | 2.2                                    | 6.9                            | 0.1   |
|           | DIC.                    | 2.5                                       | 0.7                                           | -5.8                                                          | 5.9                                                                           | 5.1                                      | 2.0                                                                       | 6.3      | -5.4                  | 1.7                   | -3.7      | 10.7                   | 4.4                          | -3.1    | 7.7                          | -10.5                                          | 3.2                                    | 5.8                            | -0.7  |
| 1998      | ENE.                    | 1.6                                       | -1.3                                          | -8.1                                                          | 2.3                                                                           | -1.0                                     | 2.2                                                                       | 5.1      | -5.4                  | 3.7                   | -3.4      | 8.7                    | 3.6                          | -0.4    | 7.6                          | -1.0                                           | 1.2                                    | 3.7                            | 0.1   |
|           | FEB.                    | 2.3                                       | 0.7                                           | -3.3                                                          | 2.7                                                                           | 2.1                                      | 3.2                                                                       | 6.1      | -3.8                  | 4.4                   | -1.2      | 8.2                    | 3.0                          | 2.6     | 6.8                          | 2.9                                            | 0.3                                    | 0.6                            | 0.8   |
|           | MAR.                    | 2.5                                       | -0.2                                          | -1.8                                                          | 0.5                                                                           | -0.1                                     | 0.7                                                                       | 5.7      | -3.1                  | 7.4                   | 3.3       | 9.9                    | 3.3                          | 5.0     | 4.8                          | 2.0                                            | 1.1                                    | 3.3                            | -0.2  |
|           | ABR.                    | 2.7                                       | -1.0                                          | -3.2                                                          | -1.1                                                                          | 0.1                                      | 0.7                                                                       | 3.7      | -2.7                  | 7.6                   | 3.3       | 10.3                   | 4.8                          | 2.4     | 7.3                          | 4.5                                            | 2.4                                    | 5.3                            | -1.1  |
|           | MAY.                    | 2.0                                       | -1.7                                          | -1.2                                                          | -4.9                                                                          | -0.4                                     | 2.0                                                                       | 2.0      | -2.1                  | 6.7                   | 4.6       | 7.8                    | 4.2                          | 4.6     | 6.9                          | 9.6                                            | 1.9                                    | 2.2                            | 0.3   |
|           | JUN.                    | 2.2                                       | -1.0                                          | -0.5                                                          | -3.4                                                                          | 1.9                                      | -0.7                                                                      | 0.5      | 0.5                   | 6.2                   | 3.7       | 7.8                    | 4.0                          | 7.0     | 5.3                          | 13.7                                           | 3.4                                    | 1.3                            | 0.9   |
|           | JUL.                    | 2.1                                       | -3.6                                          | -1.3                                                          | 5.2                                                                           | 1.9                                      | 0.2                                                                       | 0.2      | 0.2                   | 6.3                   | 8.0       | 8.4                    | 4.1                          | 3.9     | 4.1                          | 18.4                                           | 2.5                                    | 0.7                            | 13.1  |
|           | AGO.                    | 2.1                                       | -1.4                                          | -2.2                                                          | -3.3                                                                          | 4.5                                      | -1.9                                                                      | -2.3     | 1.2                   | 7.3                   | 4.3       | 9.2                    | 3.7                          | 4.0     | 1.3                          | 16.4                                           | 5.2                                    | 2.8                            | 5.5   |
|           | SET.                    | 2.0                                       | -1.9                                          | -4.0                                                          | -1.8                                                                          | 3.8                                      | -1.9                                                                      | -4.8     | -1.6                  | 6.9                   | 4.4       | 8.3                    | 4.2                          | 5.5     | -1.4                         | 16.9                                           | 8.2                                    | 6.4                            | -0.8  |
|           | OCT.                    | 2.0                                       | -3.1                                          | 4.5                                                           | -4.2                                                                          | 3.1                                      | -1.9                                                                      | -5.3     | -2.6                  | 8.0                   | 4.7       | 10.2                   | 4.8                          | 3.9     | 0.6                          | 20.2                                           | 11.1                                   | 4.8                            | 1.2   |
|           | NOV.                    | -0.3                                      | -6.0                                          | -6.5                                                          | -8.6                                                                          | 1.0                                      | -4.3                                                                      | -11.2    | -2.6                  | 5.7                   | 1.6       | 8.5                    | 3.1                          | 0.7     | -2.3                         | 13.6                                           | 13.0                                   | 3.3                            | 0.1   |
|           | DIC.                    | -0.2                                      | -5.0                                          | -1.7                                                          | -6.1                                                                          | -0.1                                     | -4.7                                                                      | -10.9    | -6.7                  | 6.4                   | 2.0       | 9.5                    | 2.0                          | -2.8    | -3.7                         | 15.8                                           | 9.7                                    | 3.7                            | -2.2  |
| 1999      | ENE.                    | -0.8                                      | -5.7                                          | -3.6                                                          | -5.3                                                                          | -4.2                                     | -3.5                                                                      | -10.8    | -9.0                  | 4.0                   | 1.3       | 5.9                    | 2.0                          | -3.2    | -5.2                         | 16.9                                           | 10.8                                   | 4.9                            | -2.3  |
|           | FEB.                    | -2.3                                      | -8.6                                          | -5.3                                                          | -5.2                                                                          | -5.4                                     | -4.9                                                                      | -11.3    | -10.9                 | 0.8                   | -1.5      | 2.5                    | 0.7                          | -4.5    | -7.4                         | 17.4                                           | 10.8                                   | 4.4                            | -6.1  |
|           | MAR.                    | -2.7                                      | -6.1                                          | -3.7                                                          | -4.5                                                                          | -4.2                                     | -5.0                                                                      | -11.4    | -13.3                 | 0.3                   | -3.8      | 3.6                    | -0.6                         | -8.7    | -8.0                         | 10.9                                           | 8.8                                    | 3.2                            | -4.8  |
|           | ABR.                    | -3.9                                      | -5.5                                          | -5.4                                                          | -0.2                                                                          | -2.7                                     | -4.9                                                                      | -12.9    | -14.6                 | -1.5                  | -5.8      | 1.9                    | -3.3                         | -6.5    | -11.0                        | 5.3                                            | 7.2                                    | 0.3                            | -7.9  |
|           | MAY.                    | -4.1                                      | -6.0                                          | -6.8                                                          | 0.6                                                                           | -1.8                                     | -6.6                                                                      | -12.8    | -16.7                 | -1.4                  | -5.7      | 1.8                    | -3.4                         | -8.2    | -11.3                        | -1.1                                           | 6.5                                    | 2.6                            | -9.8  |
|           | JUN.                    | -4.6                                      | -6.3                                          | -7.3                                                          | 0.6                                                                           | -4.0                                     | -5.5                                                                      | -14.3    | -16.9                 | -2.3                  | -5.9      | 0.3                    | -3.9                         | -8.8    | -12.2                        | -3.6                                           | 3.7                                    | 4.1                            | -11.5 |
|           | JUL.                    | -5.1                                      | -6.6                                          | -8.2                                                          | 0.0                                                                           | -4.4                                     | -5.6                                                                      | -14.1    | -17.1                 | -1.4                  | -5.1      | 1.3                    | -5.0                         | -8.7    | -12.8                        | -12.3                                          | 1.1                                    | 4.4                            | -13.3 |
|           | AGO.                    | -5.3                                      | -6.8                                          | -8.6                                                          | -0.1                                                                          | -4.1                                     | -5.9                                                                      | -14.2    | -17.3                 | -3.5                  | -5.2      | -2.3                   | -4.5                         | -8.1    | -12.2                        | -13.1                                          | -0.7                                   | 5.9                            | -13.6 |
|           | SET.                    | -5.1                                      | -5.9                                          | -8.6                                                          | -1.4                                                                          | -3.4                                     | -3.9                                                                      | -11.0    | -15.3                 | -2.7                  | -5.7      | -0.5                   | -5.1                         | -10.5   | -10.6                        | -14.5                                          | -1.1                                   | 2.5                            | -9.8  |
|           | OCT.                    | -5.2                                      | -4.5                                          | -5.1                                                          | 2.0                                                                           | -3.8                                     | -3.8                                                                      | -15.8    | -15.2                 | -4.5                  | -5.4      | -3.9                   | -5.9                         | -9.1    | -13.0                        | -16.9                                          | 0.4                                    | 1.5                            | -10.9 |
|           | NOV.                    | -3.8                                      | -2.4                                          | -5.6                                                          | 7.0                                                                           | -1.7                                     | -1.2                                                                      | -11.7    | -14.4                 | -3.6                  | -4.7      | -2.8                   | -5.0                         | -5.7    | -13.9                        | -15.4                                          | 2.4                                    | 2.3                            | -8.7  |
|           | DIC.                    | -3.3                                      | -2.0                                          | -6.9                                                          | 6.2                                                                           | -2.3                                     | -0.3                                                                      | -11.6    | -10.0                 | -2.9                  | -4.7      | -1.5                   | -4.6                         | -3.5    | -13.7                        | -16.3                                          | 2.1                                    | 2.0                            | -5.3  |
| 2000      | ENE.                    | -2.9                                      | -1.5                                          | -5.0                                                          | 7.0                                                                           | -0.7                                     | -2.5                                                                      | -14.2    | -7.7                  | -0.1                  | -4.0      | 2.9                    | -5.0                         | -2.5    | -13.4                        | -13.7                                          | 2.2                                    | -0.1                           | -4.9  |
|           | FEB.                    | -2.5                                      | -1.2                                          | -3.3                                                          | 6.9                                                                           | -3.0                                     | -0.6                                                                      | -15.1    | -8.4                  | 0.8                   | -3.0      | 3.7                    | -4.9                         | -3.1    | -10.7                        | -14.7                                          | 4.8                                    | -3.0                           | -2.8  |
|           | MAR.                    | -1.6                                      | -0.7                                          | -3.7                                                          | 7.6                                                                           | -1.6                                     | 0.7                                                                       | -16.0    | -7.8                  | 1.7                   | -1.8      | 4.4                    | -3.6                         | -2.5    | -11.3                        | -10.5                                          | 4.9                                    | 0.9                            | -4.6  |
|           | ABR.                    | -0.5                                      | -0.9                                          | -4.6                                                          | -1.5                                                                          | -1.9                                     | 7.1                                                                       | -14.7    | -4.9                  | 3.8                   | -0.4      | 0.9                    | -2.1                         | -3.1    | -11.9                        | -11.0                                          | 2.4                                    | 5.7                            | -11.3 |
|           | MAY.                    | -0.5                                      | -0.5                                          | -3.9                                                          | 5.8                                                                           | -2.7                                     | 0.7                                                                       | -12.3    | -3.5                  | 2.3                   | -2.2      | 6.1                    | -1.6                         | -3.1    | -12.1                        | -12.7                                          | 0.6                                    | 5.9                            | 1.1   |
|           | JUN.                    | 0.0                                       | -0.6                                          | -4.7                                                          | 5.5                                                                           | -4.1                                     | 1.5                                                                       | -11.4    | -3.4                  | 2.2                   | -2.3      | 5.7                    | -0.3                         | -4.0    | -11.5                        | -4.8                                           | 5.0                                    | 6.7                            | -0.6  |
|           | JUL.                    | 0.3                                       | -0.1                                          | -2.0                                                          | 6.5                                                                           | -5.3                                     | 0.3                                                                       | -10.6    | -4.8                  | 0.3                   | -3.6      | 3.4                    | 0.5                          | 1.1     | -11.8                        | -3.8                                           | 9.2                                    | 6.1                            | -0.7  |
|           | AGO.                    | 0.4                                       | 0.4                                           | -2.0                                                          | 7.0                                                                           | -6.0                                     | 1.1                                                                       | -8.9     | -3.1                  | 0.6                   | -1.9      | 2.6                    | 0.2                          | 0.3     | -10.1                        | -6.2                                           | 9.1                                    | 5.4                            | -3.9  |
|           | SET.                    | 0.2                                       | 0.2                                           | -4.0                                                          | 8.2                                                                           | -7.3                                     | 0.0                                                                       | -8.4     | -3.4                  | -1.0                  | -1.9      | -0.2                   | 0.5                          | 1.4     |                              |                                                |                                        |                                |       |

**LIMA METROPOLITANA: VARIACIÓN ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | Industria manufacturera |                                           |                                               |                                                               |                                                                               |                                          |                                                                           | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |
|-----------|-------------------------|-------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|
|           | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confección es e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |
|           |                         |                                           |                                               |                                                               |                                                                               |                                          |                                                                           |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |
| 2002      | AGO.                    | 0.3                                       | 0.8                                           | -0.4                                                          | 7.1                                                                           | -5.0                                     | -2.3                                                                      | -3.3     | -3.3                  | 5.7                   | -0.9      | 6.5                    | -6.2                         | -7.2    | -1.5                         | 1.1                                            | 1.8                                    | -7.3                           |
|           | SET.                    | 1.2                                       | -0.5                                          | -1.0                                                          | 4.2                                                                           | -3.6                                     | -3.7                                                                      | -4.6     | -4.6                  | 4.3                   | -2.5      | 8.5                    | 1.5                          | 6.8     | -5.7                         | -4.2                                           | 0.6                                    | 4.3                            |
|           | OCT.                    | 1.9                                       | -0.6                                          | 1.5                                                           | 3.5                                                                           | -4.3                                     | -4.5                                                                      | -3.0     | -6.8                  | 6.9                   | -1.5      | 12.0                   | 2.4                          | 5.0     | -4.1                         | -1.6                                           | 2.1                                    | 4.6                            |
|           | NOV.                    | 2.2                                       | -0.5                                          | -0.6                                                          | 3.3                                                                           | -3.6                                     | -3.2                                                                      | -3.0     | -4.3                  | 5.7                   | 0.1       | 8.9                    | 3.3                          | 4.8     | -2.9                         | 1.4                                            | 4.6                                    | 4.8                            |
|           | DIC.                    | 2.2                                       | -0.1                                          | 0.0                                                           | 3.6                                                                           | -2.0                                     | -1.6                                                                      | -4.7     | -4.9                  | 2.4                   | -0.6      | 4.1                    | 4.1                          | 3.4     | -2.4                         | 0.6                                            | 7.6                                    | 5.6                            |
|           | ENE.                    | 1.5                                       | -1.5                                          | -1.0                                                          | 2.2                                                                           | -5.3                                     | -1.2                                                                      | -4.4     | -8.7                  | 3.6                   | -0.2      | 5.7                    | 3.5                          | -1.2    | -0.5                         | 0.8                                            | 7.1                                    | 2.7                            |
|           | FEB.                    | 1.9                                       | -1.0                                          | 2.0                                                           | 0.8                                                                           | -3.5                                     | -1.8                                                                      | -5.6     | -5.6                  | 4.8                   | -0.2      | 7.6                    | 3.7                          | 3.2     | 1.0                          | 2.2                                            | 5.2                                    | 3.7                            |
|           | MAR.                    | 2.2                                       | -0.2                                          | 1.0                                                           | 1.3                                                                           | -0.3                                     | -0.2                                                                      | -4.4     | -3.9                  | 6.1                   | -1.1      | 8.8                    | 2.9                          | 2.6     | 3.5                          | 5.7                                            | 6.6                                    | -2.6                           |
|           | ABR.                    | 2.5                                       | -0.5                                          | 3.5                                                           | -0.4                                                                          | -4.1                                     | 2.0                                                                       | -4.2     | -4.6                  | 4.8                   | 0.3       | 7.2                    | 4.5                          | 2.2     | 5.9                          | 5.7                                            | 4.2                                    | 2.5                            |
|           | MAY.                    | 2.3                                       | -0.9                                          | 3.8                                                           | -1.9                                                                          | -4.0                                     | 3.6                                                                       | -7.1     | -4.1                  | 4.6                   | -0.5      | 7.4                    | 4.6                          | 1.6     | 5.5                          | 6.0                                            | 3.1                                    | 3.6                            |
|           | JUN.                    | 2.3                                       | -0.7                                          | 3.0                                                           | -2.7                                                                          | -1.9                                     | 4.6                                                                       | -3.5     | -3.5                  | 5.3                   | -6.5      | 11.7                   | 4.1                          | 2.0     | 4.9                          | 6.6                                            | 0.0                                    | 4.0                            |
|           | JUL.                    | 2.7                                       | 0.1                                           | 6.4                                                           | -3.2                                                                          | -0.3                                     | 5.7                                                                       | -3.1     | -3.3                  | 5.4                   | -5.2      | 11.1                   | 4.1                          | -1.3    | 6.5                          | 6.7                                            | 2.0                                    | 3.7                            |
| 2003      | AGO.                    | 2.9                                       | 0.0                                           | 4.2                                                           | -3.5                                                                          | -1.2                                     | 6.2                                                                       | -1.0     | -0.6                  | 4.3                   | -4.0      | 8.7                    | 5.0                          | -1.2    | 6.4                          | 4.4                                            | 1.3                                    | 6.3                            |
|           | SET.                    | 2.3                                       | 0.6                                           | 4.6                                                           | -2.7                                                                          | -0.7                                     | 7.3                                                                       | -1.3     | -0.2                  | 5.5                   | -4.8      | 7.9                    | 3.5                          | -1.5    | 5.6                          | 3.6                                            | 1.7                                    | 3.7                            |
|           | OCT.                    | 2.4                                       | 2.0                                           | 6.0                                                           | -1.6                                                                          | -0.3                                     | 6.2                                                                       | -0.4     | 3.2                   | 5.2                   | -4.7      | 5.7                    | 2.9                          | -0.2    | 5.0                          | 2.5                                            | 0.6                                    | 2.5                            |
|           | NOV.                    | 2.5                                       | 2.2                                           | 5.5                                                           | -0.8                                                                          | 0.2                                      | 7.7                                                                       | 0.8      | 2.9                   | 3.7                   | -5.7      | 8.6                    | 2.4                          | -0.5    | 4.7                          | 4.4                                            | -2.6                                   | 2.3                            |
|           | DIC.                    | 2.4                                       | 1.3                                           | 6.5                                                           | -3.0                                                                          | -0.2                                     | 7.3                                                                       | 0.8      | 1.6                   | 5.6                   | -4.8      | 11.1                   | 2.3                          | 1.7     | 4.9                          | 4.4                                            | -3.6                                   | 2.1                            |
|           | ENE.                    | 3.7                                       | 2.4                                           | 5.3                                                           | -1.7                                                                          | 5.4                                      | 7.3                                                                       | 1.7      | 3.0                   | 7.2                   | -4.2      | 13.0                   | 3.5                          | 1.0     | 4.1                          | 5.3                                            | -5.1                                   | 6.3                            |
|           | FEB.                    | 3.1                                       | 2.0                                           | 2.3                                                           | 0.3                                                                           | 3.7                                      | 6.9                                                                       | 3.6      | -1.7                  | 8.0                   | -3.5      | 13.8                   | 2.2                          | 2.8     | 3.4                          | 5.9                                            | -2.9                                   | 1.2                            |
|           | MAR.                    | 2.1                                       | 1.9                                           | 3.0                                                           | -0.1                                                                          | 1.4                                      | 9.0                                                                       | 3.7      | -3.8                  | 5.6                   | -4.0      | 10.5                   | 0.9                          | 1.2     | 1.1                          | 5.2                                            | -3.0                                   | 0.3                            |
|           | ABR.                    | 2.8                                       | 1.8                                           | 0.9                                                           | 1.3                                                                           | 1.7                                      | 7.7                                                                       | 4.0      | -4.6                  | 6.9                   | -2.8      | 11.7                   | 2.2                          | 0.6     | 1.8                          | 5.2                                            | -0.2                                   | 2.5                            |
|           | MAY.                    | 3.3                                       | 2.1                                           | 1.4                                                           | 2.5                                                                           | 2.7                                      | 7.3                                                                       | 4.4      | -8.5                  | 8.4                   | -3.3      | 14.4                   | 2.4                          | 2.3     | 2.2                          | 5.9                                            | -3.9                                   | 3.2                            |
|           | JUN.                    | 3.5                                       | 2.7                                           | 2.0                                                           | 4.3                                                                           | 2.1                                      | 6.2                                                                       | 4.0      | -7.9                  | 7.5                   | 2.9       | 9.6                    | 2.7                          | 1.1     | 2.6                          | 4.3                                            | 0.8                                    | 2.6                            |
|           | JUL.                    | 3.1                                       | 2.6                                           | -0.6                                                          | 5.0                                                                           | 1.0                                      | 5.5                                                                       | 3.5      | -5.4                  | 6.8                   | 1.2       | 9.4                    | 2.3                          | 1.5     | 1.6                          | 4.9                                            | -1.1                                   | 2.8                            |
|           | AGO.                    | 1.7                                       | 1.3                                           | -1.7                                                          | 3.4                                                                           | 0.7                                      | 4.8                                                                       | 3.1      | -7.0                  | 7.6                   | 3.6       | 9.5                    | -0.1                         | -3.7    | 1.4                          | 5.7                                            | 0.2                                    | -2.6                           |
| 2004      | SET.                    | 2.7                                       | 2.0                                           | 0.3                                                           | 4.6                                                                           | -0.3                                     | 5.3                                                                       | 3.6      | -8.6                  | 7.4                   | 2.6       | 9.7                    | 1.5                          | -2.9    | 1.3                          | 4.5                                            | 1.4                                    | 1.2                            |
|           | OCT.                    | 2.7                                       | 0.8                                           | -0.3                                                          | 2.7                                                                           | -1.7                                     | 4.7                                                                       | 3.7      | -10.0                 | 6.1                   | 2.2       | 7.9                    | 3.1                          | -1.2    | 2.1                          | 4.1                                            | 2.2                                    | 4.0                            |
|           | NOV.                    | 2.6                                       | 0.9                                           | 0.5                                                           | 2.8                                                                           | -2.9                                     | 5.8                                                                       | 2.6      | -10.4                 | 4.9                   | 1.5       | 6.4                    | 3.2                          | 1.2     | -0.4                         | 4.4                                            | 4.6                                    | 4.1                            |
|           | DIC.                    | 3.6                                       | 2.7                                           | 1.6                                                           | 5.2                                                                           | -2.3                                     | 6.0                                                                       | 4.0      | -5.2                  | 4.0                   | 1.0       | 8.0                    | 5.0                          | 1.0     | 1.0                          | 3.1                                            | 5.9                                    | 4.7                            |
|           | ENE.                    | 3.4                                       | 4.1                                           | 3.0                                                           | 8.2                                                                           | -5.4                                     | 5.7                                                                       | 3.9      | -4.1                  | 4.7                   | -0.5      | 6.9                    | 2.2                          | -0.2    | 2.3                          | 6.8                                            | 6.8                                    | -0.3                           |
|           | FEB.                    | 4.4                                       | 5.2                                           | 2.7                                                           | 9.8                                                                           | -2.0                                     | 6.6                                                                       | 3.8      | -3.1                  | 1.0                   | -1.0      | 1.8                    | 5.0                          | 1.8     | 2.2                          | 3.2                                            | 9.6                                    | 6.5                            |
|           | MAR.                    | 4.8                                       | 5.2                                           | 1.5                                                           | 10.4                                                                          | 1.1                                      | 4.5                                                                       | 3.4      | -3.1                  | 2.6                   | -0.9      | 4.1                    | 5.3                          | 2.5     | 3.1                          | 2.1                                            | 10.9                                   | 6.0                            |
|           | ABR.                    | 4.6                                       | 3.7                                           | 0.7                                                           | 8.1                                                                           | -1.7                                     | 3.1                                                                       | 3.3      | -2.4                  | 2.1                   | -2.4      | 4.0                    | 6.4                          | 4.0     | 3.4                          | 3.4                                            | 12.5                                   | 6.7                            |
|           | MAY.                    | 4.6                                       | 3.7                                           | 0.7                                                           | 8.1                                                                           | -1.7                                     | 3.1                                                                       | 3.3      | -2.4                  | 2.1                   | -2.4      | 4.0                    | 6.4                          | 4.0     | 3.4                          | 3.4                                            | 12.5                                   | 6.7                            |
|           | JUN.                    | 4.4                                       | 3.5                                           | -0.8                                                          | 7.8                                                                           | -2.2                                     | 3.7                                                                       | 2.8      | -0.7                  | 1.9                   | -2.8      | 3.9                    | 6.2                          | 4.5     | 4.8                          | 4.8                                            | 10.3                                   | 6.5                            |
|           | JUL.                    | 4.6                                       | 3.5                                           | -0.2                                                          | 7.0                                                                           | -0.5                                     | 4.2                                                                       | 3.6      | -1.3                  | 1.3                   | -2.2      | 2.8                    | 6.9                          | 5.7     | 3.8                          | 5.8                                            | 13.6                                   | 4.6                            |
|           | AGO.                    | 5.6                                       | 4.2                                           | -1.6                                                          | 8.9                                                                           | -0.4                                     | 4.2                                                                       | 2.8      | 1.0                   | 1.1                   | -6.4      | 4.5                    | 8.6                          | 7.2     | 3.9                          | 8.1                                            | 13.1                                   | 10.8                           |
|           | SET.                    | 5.1                                       | 4.1                                           | -2.2                                                          | 9.1                                                                           | -0.1                                     | 4.2                                                                       | 2.6      | 0.0                   | 1.2                   | -4.7      | 3.7                    | 7.6                          | 7.4     | 5.4                          | 11.2                                           | 12.1                                   | 7.6                            |
| 2005      | OCT.                    | 5.7                                       | 4.7                                           | -2.0                                                          | 10.2                                                                          | -0.1                                     | 5.5                                                                       | 1.8      | 0.5                   | 2.6                   | -3.0      | 5.1                    | 7.8                          | 6.7     | 5.1                          | 13.4                                           | 12.5                                   | 7.4                            |
|           | NOV.                    | 6.2                                       | 5.5                                           | 1.4                                                           | 10.6                                                                          | -2.0                                     | 4.9                                                                       | 4.3      | 1.0                   | 5.4                   | -1.8      | 8.5                    | 7.2                          | 4.3     | 8.0                          | 12.4                                           | 8.4                                    | 7.1                            |
|           | DIC.                    | 6.2                                       | 4.8                                           | -1.8                                                          | 10.7                                                                          | -2.2                                     | 5.3                                                                       | 3.9      | -0.6                  | 6.8                   | -1.4      | 10.5                   | 7.1                          | 3.6     | 7.0                          | 15.0                                           | 9.1                                    | 6.7                            |
|           | ENE.                    | 5.6                                       | 3.8                                           | -2.7                                                          | 7.5                                                                           | -0.3                                     | 6.2                                                                       | 4.2      | -0.3                  | 5.2                   | -0.8      | 7.9                    | 7.4                          | 5.5     | 7.3                          | 11.3                                           | 8.1                                    | 7.5                            |
|           | FEB.                    | 5.3                                       | 3.1                                           | -0.6                                                          | 5.8                                                                           | -4.5                                     | 4.9                                                                       | 5.5      | 1.6                   | 5.5                   | 1.8       | 11.5                   | 6.0                          | 2.9     | 8.2                          | 13.4                                           | 4.7                                    | 7.3                            |
|           | MAR.                    | 5.3                                       | 3.3                                           | -1.2                                                          | 6.0                                                                           | -4.4                                     | 5.5                                                                       | 5.0      | 2.0                   | 7.0                   | 0.5       | 9.9                    | 6.5                          | 4.2     | 9.0                          | 17.2                                           | 6.4                                    | 5.9                            |
|           | ABR.                    | 4.6                                       | 4.3                                           | 0.4                                                           | 7.6                                                                           | -2.8                                     | 6.1                                                                       | 5.0      | -0.2                  | 7.1                   | 1.7       | 9.5                    | 3.9                          | 3.5     | 6.5                          | 16.1                                           | 3.2                                    | 2.7                            |
|           | MAY.                    | 5.2                                       | 5.7                                           | 0.4                                                           | 9.4                                                                           | 0.5                                      | 5.9                                                                       | 6.1      | 2.8                   | 6.9                   | 4.4       | 7.9                    | 4.0                          | 1.8     | 7.4                          | 15.5                                           | 4.4                                    | 2.7                            |
|           | JUN.                    | 6.0                                       | 7.1                                           | 3.9                                                           | 11.0                                                                          | 2.2                                      | 5.8                                                                       | 6.1      | 2.4                   | 7.5                   | 4.8       | 8.7                    | 4.4                          | 3.1     | 6.8                          | 13.9                                           | 6.7                                    | 2.4                            |
|           | JUL.                    | 6.1                                       | 6.8                                           | 4.5                                                           | 10.8                                                                          | -1.1                                     | 5.2                                                                       | 4.8      | 3.5                   | 7.6                   | 4.5       | 9.0                    | 4.8                          | 3.1     | 7.8                          | 14.1                                           | 7.5                                    | 3.0                            |
|           | AGO.                    | 5.5                                       | 6.8                                           | 6.6                                                           | 10.1                                                                          | 0.8                                      | 4.1                                                                       | 6.1      | 2.6                   | 8.0                   | 5.3       | 9.1                    | 3.2                          | 5.7     | 8.0                          | 14.6                                           | 7.7                                    | -1.9                           |
|           | SET.                    | 6.2                                       | 6.8                                           | 6.5                                                           | 9.7                                                                           | 1.3                                      | 4.7                                                                       | 5.9      | 3.3                   | 8.7                   | 4.3       | 10.6                   | 4.6                          | 6.4     | 5.8                          | 15.1                                           | 5.7                                    | 3.7                            |
|           | OCT.                    | 5.9                                       | 7.2                                           | 6.5                                                           | 11.4                                                                          | 2.8                                      | 3.6                                                                       | 6.0      | 0.9                   | 8.8                   | 2.9       | 11.4                   | 3.7                          | 6.2     | 5.2                          | 19.1                                           | 4.1                                    | 2.2                            |
| 2006      | NOV.                    | 5.9                                       | 5.6                                           | 4.3                                                           | 7.9                                                                           | 5.4                                      | 4.0                                                                       | 4.3      | 1.8                   | 7.1                   | 2.4       | 9.1                    | 5.6                          | 7.0     | 6.4                          | 24.8                                           | 8.8                                    | 3.2                            |
|           | DIC.                    | 6.2                                       | 6.1                                           | 7.7                                                           | 7.1                                                                           | 7.6                                      | 4.4                                                                       | 4.5      | 1.5                   | 6.2                   | 2.8       | 7.5                    | 6.3                          | 8.5     | 7.5                          | 32.3                                           | 7.8                                    | 3.1                            |
|           | ENE.                    | 6.8                                       | 5.4                                           | 5.5                                                           | 6.5                                                                           | 5.6                                      | 4.4                                                                       | 5.6      | 1.5                   | 8.0                   | 3.6       | 9.7                    | 7.5                          | 9.9     | 7.1                          | 35.0                                           | 10.7                                   | 3.6                            |
|           | FEB.                    | 7.1                                       | 4.7                                           | 4.9                                                           | 4.2                                                                           | 8.4                                      | 5.7                                                                       | 5.4      | 1.6                   | 6.7                   | 3.0       | 8.2                    | 9.4                          | 9.5     | 6.5                          | 35.4                                           | 10.0                                   | 8.0                            |
|           | MAR.                    | 7.1                                       | 4.6                                           | 7.0                                                           | 4.1                                                                           | 6.7                                      | 5.0                                                                       | 6.3      | -0.5                  | 8.8                   | 4.8       | 10.5                   | 8.9                          | 10.1    | 8.4                          | 28.9                                           | 9.9                                    | 6.8                            |
|           | ABR.                    | 7.9                                       | 5.2                                           | 8.3                                                           | 4.1                                                                           | 4.5                                      | 6.1                                                                       | 6.7      | 2.9                   | 9.8                   | 6.2       | 11.3                   | 9.6                          | 10.3    | 6.9                          | 35.5                                           | 12.4                                   | 7.2                            |
|           | MAY.                    | 8.2                                       | 4.5                                           | 6.7                                                           | 3.9                                                                           | 1.9                                      | 6.3                                                                       | 1.4      | 11.2                  | 5.1                   | 13.9      | 10.4                   | 12.0                         | 7.9     | 40.4                         | 12.2                                           | 7.2                                    | 3.3                            |
|           | JUN.                    | 8.3                                       | 5.1                                           | 7.1                                                           | 3.7                                                                           | 2.4                                      | 7.5                                                                       | 8.4      | 3.6                   | 11.5                  | 6.1       | 13.8                   | 10.0                         | 13.7    | 7.8                          | 44.3                                           | 8.8                                    | 8.2                            |
|           | JUL.                    | 9.5                                       | 7.0                                           | 5.4                                                           | 7.3                                                                           | 5.7                                      | 9.0                                                                       | 10.0     | 4.2                   | 12.9                  | 7.0       | 15.5                   | 10.5                         | 13.9    | 8.0                          | 48.4                                           | 9.4                                    | 7.9                            |
|           | AGO.                    | 10.6                                      | 8.1                                           | 7.5                                                           | 8.6                                                                           | 6.5                                      | 10.8                                                                      | 9.5      | 2.1                   | 13.4                  | 8.4       | 15.5                   | 11.9                         | 12.5    | 8.8                          | 53.5                                           | 9.4                                    | 10.4                           |
|           | SET.                    | 10.1                                      | 8.4                                           | 9.6                                                           | 8.4                                                                           | 7.8                                      | 10.7                                                                      | 9.8      | 2.0                   | 13.1                  | 9.8       | 14.5                   | 10.5                         | 11.4    | 10.5                         | 49.2                                           | 10.6                                   | 5.8                            |
|           | OCT.                    | 11.0                                      | 8.4                                           | 9.8                                                           | 8.3                                                                           | 7.1                                      | 10.3                                                                      | 10.1     | 3.1                   | 13.2                  | 11.3      | 14.0                   | 12.5                         | 12.1    | 11.8                         | 46.4                                           | 11.4                                   | 9.1                            |
|           | NOV.                    | 11.1                                      | 9.4                                           | 10.2                                                          | 10.3                                                                          | 10.2                                     | 10.7                                                                      | 10.8     | 1.9                   | 13.3                  | 11.4      | 14.0                   | 11.9                         | 13.5    | 11.8                         | 38.1                                           | 10.3                                   | 8.2                            |
| 2007      | DIC.                    | 10.6                                      | 8.9                                           | 9.9                                                           | 10.0                                                                          | 6.2                                      | 9.3                                                                       | 10.9     | 1.8                   | 12.6                  | 11.8      | 13.0                   | 11.5                         | 14.8    | 11.5                         | 29.3                                           | 11.4                                   | 5.8                            |
|           | ENE.                    | 11.4                                      | 9.6                                           | 14.1                                                          | 10.3                                                                          | 8.0                                      | 9.1                                                                       | 9.2      | -0.3                  | 12.4                  | 10.7      | 13.3                   | 12.6                         | 14.8    | 11.3                         | 25.7                                           | 11.3                                   | 12.3                           |
|           | FEB.                    | 11.1                                      | 10.1                                          | 14.2                                                          | 12.4                                                                          | 5.7                                      | 8.7                                                                       | 9.4      | -0.9                  | 12.0                  | 8.3       | 13.6                   | 11.5                         | 18.9    | 11.2                         | 23.9                                           | 10.8                                   | 9.5                            |
|           | MAR.                    | 10.8                                      | 9.5                                           | 12.6                                                          | 10.7                                                                          | 4.6                                      | 8.9                                                                       | 9.2      | 2.8                   | 11.1                  | 7.9       | 12.5                   | 11.9                         | 19.3    | 9.7                          | 24.6                                           | 11.7                                   | 9.6                            |
|           | ABR.                    | 10.6                                      | 9.8                                           | 13.1                                                          | 9.7                                                                           | 9.6                                      | 8.8                                                                       | 10.7     | 5.3                   | 10.6                  | 8.3       | 11.6                   | 11.3                         | 16.2    | 14.0                         | 12.7                                           | 10.8                                   | 9.9                            |
|           | MAY.                    | 9.1                                       | 9.6                                           | 13.9                                                          | 7.9                                                                           | 10.7                                     | 9.4                                                                       | 11.7     | 7.6                   | 8.9                   | 9.2       | 8.8                    | 8.7                          | 16.2    | 13.3                         | 5.9                                            | 8.8                                    | 7.6                            |
|           | JUN.                    | 9.3                                       | 9.1                                           | 14.6                                                          | 7.8                                                                           | 11.2                                     | 6.6                                                                       | 10.0     | 6.7                   | 8.2                   | 8.4       | 8.1                    | 10.0                         | 17.3    | 13.3                         | 4.5                                            | 14.9                                   | 7.1                            |
|           | JUL.                    | 9.1                                       | 8.4                                           | 14.5                                                          | 12.6                                                                          | 12.4                                     | 9.1                                                                       | 10.8     | 8.7                   | 8.7                   | 8.4       | 8.7                    | 9.8                          | 16.2    | 13.2                         | 2.3                                            | 9.8                                    | 25.2                           |
|           | AGO.                    | 9.7                                       | 9.4                                           | 12.1                                                          |                                                                               |                                          |                                                                           |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |

**LIMA METROPOLITANA: VARIACIÓN ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | Industria manufacturera |                                           |                                                |                                                               |                                                                               |                                          |                                                                           | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |       |
|-----------|-------------------------|-------------------------------------------|------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|-------|
|           | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confección de la industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |       |
|           |                         |                                           |                                                |                                                               |                                                                               |                                          |                                                                           |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |       |
| MAR.      | 11.9                    | 9.6                                       | 11.4                                           | 5.3                                                           | 13.5                                                                          | 6.4                                      | 16.6                                                                      | 16.5     | 10.8                  | 19.1                  | 12.2      | 16.0                   | 19.9                         | -10.8   | 25.0                         | 7.0                                            | -7.8                                   | 42.4                           |       |
| ABR.      | 12.3                    | 9.3                                       | 10.1                                           | 6.1                                                           | 10.4                                                                          | 6.7                                      | 16.1                                                                      | 22.8     | 15.8                  | 10.4                  | 18.2      | 13.5                   | 18.9                         | 19.6    | -5.6                         | 23.1                                           | 10.6                                   | -7.8                           | 38.7  |
| MAY.      | 12.9                    | 9.3                                       | 10.9                                           | 5.3                                                           | 10.2                                                                          | 6.9                                      | 15.7                                                                      | 25.3     | 17.2                  | 10.3                  | 20.3      | 14.2                   | 15.5                         | 20.9    | -5.2                         | 25.7                                           | 10.1                                   | -3.5                           | 36.0  |
| JUN.      | 12.1                    | 7.4                                       | 3.8                                            | 2.9                                                           | 9.9                                                                           | 8.8                                      | 18.0                                                                      | 23.7     | 18.3                  | 11.3                  | 21.4      | 13.9                   | 14.0                         | 22.2    | -5.0                         | 23.3                                           | 10.5                                   | -2.5                           | 21.9  |
| JUL.      | 10.9                    | 5.3                                       | 5.0                                            | -1.1                                                          | 7.5                                                                           | 9.7                                      | 17.1                                                                      | 17.1     | 17.8                  | 11.0                  | 20.9      | 13.0                   | 16.1                         | 22.0    | -7.3                         | 18.0                                           | 10.9                                   | 0.5                            | 22.0  |
| AGO.      | 9.4                     | 2.3                                       | 5.6                                            | -8.0                                                          | 8.2                                                                           | 9.1                                      | 17.1                                                                      | 15.1     | 15.6                  | 11.6                  | 17.3      | 13.2                   | 16.4                         | 22.3    | -7.7                         | 13.8                                           | 14.1                                   | 2.6                            | 19.9  |
| SET.      | 7.7                     | 0.5                                       | 6.4                                            | -12.1                                                         | 6.3                                                                           | 9.0                                      | 15.6                                                                      | 16.0     | 15.7                  | 12.3                  | 17.2      | 10.9                   | 14.8                         | 23.1    | -4.2                         | 10.5                                           | 9.2                                    | 3.5                            | 10.0  |
| OCT.      | 7.6                     | -0.4                                      | 5.3                                            | -13.9                                                         | 6.9                                                                           | 9.7                                      | 15.3                                                                      | 14.4     | 15.4                  | 11.7                  | 17.0      | 11.5                   | 15.8                         | 23.0    | -2.7                         | 9.8                                            | 10.8                                   | 3.5                            | 11.6  |
| NOV.      | 7.4                     | -0.8                                      | 7.3                                            | -14.8                                                         | 9.5                                                                           | 8.3                                      | 12.4                                                                      | 12.2     | 13.6                  | 10.2                  | 15.2      | 12.1                   | 15.5                         | 24.9    | 0.0                          | 9.5                                            | 10.9                                   | 5.5                            | 13.1  |
| DIC.      | 6.8                     | -1.9                                      | 5.2                                            | -16.3                                                         | 9.9                                                                           | 7.9                                      | 10.3                                                                      | 12.2     | 16.5                  | 9.5                   | 19.6      | 10.4                   | 14.6                         | 25.2    | -2.0                         | 4.1                                            | 11.1                                   | 4.4                            | 13.8  |
| 2009 ENE. | 5.5                     | -3.3                                      | 2.9                                            | -18.5                                                         | 8.4                                                                           | 8.9                                      | 8.2                                                                       | 11.5     | 14.5                  | 8.6                   | 17.2      | 9.2                    | 10.2                         | 24.0    | -3.4                         | 4.2                                            | 10.2                                   | 0.9                            | 11.1  |
| FEB.      | 4.1                     | -6.2                                      | -0.3                                           | -20.7                                                         | 3.4                                                                           | 7.3                                      | 5.5                                                                       | 3.4      | 13.2                  | 10.4                  | 14.5      | 9.1                    | 15.5                         | 22.5    | -6.2                         | 2.1                                            | 12.4                                   | -1.2                           | 8.1   |
| MAR.      | 2.1                     | -8.2                                      | -1.6                                           | -23.8                                                         | 1.3                                                                           | 6.0                                      | 3.3                                                                       | 2.8      | 9.6                   | 9.5                   | 9.7       | 7.8                    | 11.2                         | 19.0    | -7.6                         | -1.2                                           | 13.8                                   | 1.1                            | 8.5   |
| ABR.      | 1.0                     | -10.2                                     | -4.5                                           | -25.5                                                         | 0.7                                                                           | 4.3                                      | 2.1                                                                       | -1.4     | 8.4                   | 8.3                   | 8.5       | 7.3                    | 9.9                          | 17.2    | -7.8                         | -1.1                                           | 12.5                                   | 1.2                            | 9.7   |
| MAY.      | 0.0                     | -10.5                                     | 0.8                                            | -25.9                                                         | -0.8                                                                          | 3.4                                      | -0.5                                                                      | -6.1     | 7.0                   | 7.1                   | 6.9       | 5.7                    | 12.2                         | 15.4    | -6.3                         | -4.2                                           | 10.6                                   | -0.1                           | 4.8   |
| JUN.      | 0.0                     | -9.7                                      | 3.8                                            | -25.2                                                         | -1.7                                                                          | 3.2                                      | -2.5                                                                      | -5.4     | 6.0                   | 5.7                   | 6.0       | 5.4                    | 11.5                         | 13.3    | -7.6                         | -4.5                                           | 10.7                                   | 1.3                            | 8.2   |
| JUL.      | -0.1                    | -8.7                                      | 0.5                                            | -20.5                                                         | -2.5                                                                          | 2.1                                      | -4.1                                                                      | -5.8     | 5.3                   | 5.8                   | 5.0       | 4.5                    | 9.4                          | 11.8    | -7.2                         | -4.9                                           | 9.5                                    | 2.0                            | 4.5   |
| AGO.      | 0.1                     | -8.2                                      | -0.1                                           | -17.5                                                         | -3.6                                                                          | 0.3                                      | -5.5                                                                      | -8.5     | 6.7                   | 5.1                   | 7.3       | 4.0                    | 9.4                          | 9.5     | -6.5                         | -4.0                                           | 8.7                                    | 2.1                            | 2.3   |
| SET.      | 0.6                     | -6.6                                      | -0.7                                           | -13.3                                                         | -2.6                                                                          | 0.9                                      | -6.0                                                                      | -9.2     | 6.7                   | 5.4                   | 7.2       | 3.7                    | 6.7                          | 7.5     | -5.7                         | -3.9                                           | 8.5                                    | 3.1                            | 8.1   |
| OCT.      | 0.6                     | -6.2                                      | 0.4                                            | -12.7                                                         | -2.8                                                                          | 0.7                                      | -6.9                                                                      | -9.0     | 5.4                   | 4.7                   | 5.7       | 3.7                    | 7.2                          | 6.2     | -3.9                         | -4.2                                           | 8.7                                    | 3.1                            | 14.9  |
| NOV.      | 0.4                     | -6.1                                      | 0.2                                            | -12.3                                                         | -4.7                                                                          | 0.5                                      | -5.6                                                                      | -8.5     | 5.2                   | 5.6                   | 5.0       | 3.3                    | 2.9                          | 3.0     | -3.6                         | -2.0                                           | 8.5                                    | 2.2                            | 5.4   |
| DIC.      | 0.5                     | -5.0                                      | -1.3                                           | -10.5                                                         | -3.6                                                                          | 0.1                                      | -3.1                                                                      | -5.0     | 1.6                   | 6.4                   | -0.4      | 4.1                    | 2.4                          | 2.1     | -1.4                         | 0.7                                            | 8.9                                    | 3.9                            | 7.1   |
| 2010 ENE. | 1.8                     | -2.1                                      | 4.0                                            | -7.3                                                          | -1.9                                                                          | 0.8                                      | -1.8                                                                      | -1.8     | 3.3                   | 7.8                   | 1.4       | 4.2                    | 10.9                         | 1.7     | 0.0                          | 0.5                                            | 7.0                                    | 6.9                            | 4.0   |
| FEB.      | 2.4                     | 0.3                                       | 1.6                                            | -1.8                                                          | 0.1                                                                           | 1.8                                      | 0.9                                                                       | 2.4      | 2.4                   | 5.0                   | 1.2       | 4.1                    | 8.2                          | 0.1     | 4.0                          | 3.9                                            | 4.3                                    | 7.6                            | 1.3   |
| MAR.      | 3.6                     | 2.3                                       | -0.7                                           | 3.4                                                           | 2.8                                                                           | 2.3                                      | 2.7                                                                       | 4.3      | 2.9                   | 3.9                   | 2.5       | 4.9                    | 12.1                         | -0.8    | 7.3                          | 8.2                                            | 2.2                                    | 7.9                            | -1.5  |
| ABR.      | 4.9                     | 4.4                                       | 1.9                                            | 4.6                                                           | 3.8                                                                           | 4.6                                      | 4.7                                                                       | 8.1      | 3.7                   | 4.8                   | 3.2       | 5.7                    | 11.2                         | -0.6    | 6.8                          | 10.1                                           | 3.6                                    | 7.9                            | 1.2   |
| MAY.      | 6.2                     | 5.5                                       | -2.5                                           | 8.3                                                           | 4.5                                                                           | 5.5                                      | 6.4                                                                       | 11.9     | 5.9                   | 5.6                   | 6.0       | 6.7                    | 12.3                         | -0.6    | 6.8                          | 12.4                                           | 4.9                                    | 7.3                            | 3.5   |
| JUN.      | 7.0                     | 7.0                                       | 1.3                                            | 10.1                                                          | 6.3                                                                           | 6.3                                      | 8.7                                                                       | 9.0      | 6.7                   | 6.2                   | 6.9       | 7.0                    | 12.4                         | -0.2    | 7.8                          | 13.0                                           | 5.4                                    | 6.1                            | -1.0  |
| JUL.      | 7.4                     | 7.6                                       | 5.6                                            | 7.5                                                           | 7.5                                                                           | 6.9                                      | 10.1                                                                      | 11.2     | 7.1                   | 8.1                   | 6.7       | 7.3                    | 14.1                         | 0.2     | 6.0                          | 12.0                                           | 6.6                                    | 5.8                            | 1.3   |
| AGO.      | 7.4                     | 8.5                                       | 4.4                                            | 8.0                                                           | 8.6                                                                           | 8.3                                      | 12.0                                                                      | 14.9     | 8.7                   | 11.7                  | 7.4       | 6.1                    | 13.7                         | 0.9     | 6.0                          | 9.2                                            | 5.0                                    | 6.0                            | -2.2  |
| SET.      | 7.8                     | 8.6                                       | 5.1                                            | 7.7                                                           | 7.2                                                                           | 9.4                                      | 11.5                                                                      | 15.5     | 9.6                   | 10.5                  | 9.1       | 6.6                    | 14.4                         | 1.2     | 5.2                          | 10.0                                           | 5.8                                    | 6.8                            | -8.3  |
| OCT.      | 8.2                     | 9.2                                       | 4.5                                            | 7.4                                                           | 8.2                                                                           | 10.7                                     | 12.6                                                                      | 19.6     | 11.5                  | 12.0                  | 11.3      | 6.1                    | 13.9                         | 1.2     | 5.0                          | 9.7                                            | 4.8                                    | 7.1                            | -8.7  |
| NOV.      | 8.7                     | 9.9                                       | 3.8                                            | 7.9                                                           | 12.6                                                                          | 11.7                                     | 13.3                                                                      | 20.0     | 11.9                  | 12.6                  | 11.5      | 6.7                    | 16.5                         | 1.5     | 6.6                          | 10.0                                           | 4.7                                    | 8.0                            | -2.1  |
| DIC.      | 8.7                     | 10.2                                      | 5.3                                            | 9.3                                                           | 11.8                                                                          | 11.8                                     | 12.2                                                                      | 16.9     | 12.8                  | 14.0                  | 12.3      | 6.0                    | 14.9                         | 2.2     | 7.4                          | 8.2                                            | 4.2                                    | 6.7                            | -4.6  |
| 2011 ENE. | 8.0                     | 8.5                                       | 1.3                                            | 8.0                                                           | 10.4                                                                          | 10.2                                     | 13.0                                                                      | 15.2     | 11.6                  | 12.9                  | 11.0      | 6.1                    | 6.8                          | 3.4     | 6.2                          | 8.3                                            | 5.9                                    | 5.8                            | -10.8 |
| FEB.      | 8.6                     | 9.4                                       | 4.5                                            | 7.5                                                           | 11.1                                                                          | 10.4                                     | 13.8                                                                      | 17.1     | 12.6                  | 12.7                  | 12.4      | 6.4                    | 7.4                          | 4.8     | 6.0                          | 7.6                                            | 6.7                                    | 4.3                            | -9.4  |
| MAR.      | 8.5                     | 8.7                                       | 6.0                                            | 6.4                                                           | 7.5                                                                           | 10.3                                     | 13.6                                                                      | 14.5     | 13.0                  | 13.0                  | 13.0      | 6.5                    | 5.8                          | 4.6     | 5.0                          | 7.2                                            | 8.4                                    | 3.7                            | -9.4  |
| ABR.      | 8.6                     | 9.2                                       | 9.3                                            | 7.6                                                           | 5.3                                                                           | 9.0                                      | 12.9                                                                      | 14.6     | 13.1                  | 12.6                  | 13.3      | 6.6                    | 7.9                          | 4.9     | 6.7                          | 7.9                                            | 6.9                                    | 4.2                            | -9.9  |
| MAY.      | 8.2                     | 8.8                                       | 11.2                                           | 5.2                                                           | 6.7                                                                           | 9.0                                      | 12.6                                                                      | 13.8     | 11.8                  | 13.2                  | 11.2      | 6.4                    | 9.5                          | 5.4     | 8.2                          | 7.2                                            | 5.7                                    | 6.0                            | -7.0  |
| JUN.      | 7.6                     | 7.4                                       | 5.8                                            | 4.5                                                           | 5.2                                                                           | 9.1                                      | 10.8                                                                      | 15.2     | 11.2                  | 13.8                  | 10.1      | 6.4                    | 10.7                         | 5.8     | 8.2                          | 7.1                                            | 5.1                                    | 7.3                            | -8.2  |
| JUL.      | 7.5                     | 6.7                                       | 6.8                                            | 2.0                                                           | 4.7                                                                           | 8.9                                      | 9.5                                                                       | 16.2     | 10.6                  | 10.3                  | 10.6      | 6.8                    | 11.1                         | 5.7     | 11.0                         | 8.1                                            | 5.1                                    | 7.3                            | -7.4  |
| AGO.      | 7.4                     | 6.0                                       | 11.4                                           | -0.9                                                          | 5.3                                                                           | 7.6                                      | 7.4                                                                       | 14.2     | 8.9                   | 6.9                   | 9.8       | 7.7                    | 11.5                         | 6.5     | 11.6                         | 9.7                                            | 5.9                                    | 5.7                            | -8.2  |
| SET.      | 6.5                     | 4.9                                       | 10.9                                           | -4.8                                                          | 8.0                                                                           | 6.6                                      | 9.2                                                                       | 14.7     | 7.4                   | 7.0                   | 7.6       | 7.3                    | 11.4                         | 7.2     | 11.7                         | 8.9                                            | 4.8                                    | 6.8                            | -3.8  |
| OCT.      | 6.1                     | 3.7                                       | 9.7                                            | -6.0                                                          | 8.2                                                                           | 5.3                                      | 8.4                                                                       | 11.9     | 6.1                   | 6.7                   | 5.8       | 7.6                    | 11.9                         | 7.6     | 11.7                         | 8.1                                            | 6.4                                    | 5.8                            | -3.5  |
| NOV.      | 5.8                     | 2.4                                       | 7.8                                            | -6.9                                                          | 3.6                                                                           | 4.8                                      | 6.5                                                                       | 11.3     | 7.0                   | 6.9                   | 7.0       | 7.6                    | 16.2                         | 8.8     | 10.7                         | 7.7                                            | 5.5                                    | 4.8                            | -5.1  |
| DIC.      | 4.9                     | 1.5                                       | 7.0                                            | -8.7                                                          | 1.2                                                                           | 4.2                                      | 7.1                                                                       | 12.0     | 5.7                   | 5.9                   | 5.6       | 6.9                    | 14.0                         | 9.0     | 10.2                         | 6.0                                            | 5.6                                    | 5.0                            | -6.8  |
| 2012 ENE. | 4.4                     | 1.1                                       | 6.3                                            | -9.0                                                          | 0.2                                                                           | 4.8                                      | 6.0                                                                       | 10.9     | 2.4                   | 5.3                   | 1.2       | 7.7                    | 13.2                         | 8.2     | 11.2                         | 6.8                                            | 7.2                                    | 5.6                            | -0.3  |
| FEB.      | 3.9                     | 0.1                                       | 7.4                                            | -10.3                                                         | -2.4                                                                          | 4.8                                      | 6.3                                                                       | 7.0      | 3.3                   | 5.4                   | 2.5       | 6.8                    | 10.5                         | 7.6     | 12.8                         | 5.5                                            | 6.8                                    | 5.5                            | -0.1  |
| MAR.      | 3.6                     | -0.4                                      | 7.1                                            | -10.9                                                         | -1.6                                                                          | 4.3                                      | 6.0                                                                       | 5.7      | 3.5                   | 5.4                   | 2.7       | 6.4                    | 10.5                         | 9.0     | 13.1                         | 5.4                                            | 4.7                                    | 5.0                            | 2.4   |
| ABR.      | 3.0                     | -1.4                                      | 2.7                                            | -12.0                                                         | 0.6                                                                           | 4.9                                      | 5.2                                                                       | 4.7      | 3.5                   | 4.7                   | 3.0       | 5.8                    | 11.3                         | 8.7     | 13.3                         | 3.5                                            | 4.7                                    | 5.2                            | 0.4   |
| MAY.      | 3.5                     | -1.4                                      | 3.2                                            | -11.7                                                         | 0.8                                                                           | 3.9                                      | 6.0                                                                       | 3.5      | 4.7                   | 3.7                   | 5.1       | 6.3                    | 9.7                          | 8.5     | 12.3                         | 4.7                                            | 6.0                                    | 3.6                            | -1.1  |
| JUN.      | 3.8                     | -0.4                                      | 5.2                                            | -11.2                                                         | 2.1                                                                           | 3.6                                      | 7.8                                                                       | 5.7      | 3.7                   | 3.2                   | 3.9       | 6.6                    | 9.3                          | 9.4     | 11.6                         | 5.8                                            | 5.5                                    | 2.7                            | 7.2   |

**LIMA METROPOLITANA: VARIACIÓN ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | Industria manufacturera |                                           |                                               |                                                               |                                                                               |                                          |                                                                           | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |
|-----------|-------------------------|-------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|
|           | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confección es e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |
|           |                         |                                           |                                               |                                                               |                                                                               |                                          |                                                                           |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |
| 2013      | JUL.                    | 3.9                                       | 0.5                                           | 5.1                                                           | -9.2                                                                          | 2.8                                      | 3.8                                                                       | 4.1      | 4.5                   | 4.0                   | 6.2       | 8.0                    | 12.1                         | 11.2    | 3.7                          | 5.4                                            | 3.0                                    | 4.9                            |
|           | AGO.                    | 4.5                                       | 1.1                                           | 4.2                                                           | -7.4                                                                          | 1.0                                      | 4.5                                                                       | 7.1      | 4.6                   | 4.4                   | 6.7       | 8.9                    | 12.0                         | 10.5    | 4.9                          | 5.6                                            | 3.2                                    | 9.5                            |
|           | SET.                    | 5.1                                       | 1.7                                           | 4.4                                                           | -4.7                                                                          | -1.1                                     | 4.6                                                                       | 8.2      | 5.1                   | 3.9                   | 5.6       | 7.3                    | 10.3                         | 13.1    | 8.4                          | 5.3                                            | 6.8                                    | 4.7                            |
|           | OCT.                    | 4.9                                       | 1.9                                           | 3.0                                                           | -3.0                                                                          | -2.4                                     | 4.8                                                                       | 8.7      | 5.2                   | 3.2                   | 6.1       | 6.7                    | 10.0                         | 13.5    | 8.2                          | 5.0                                            | 5.1                                    | 2.7                            |
|           | NOV.                    | 4.8                                       | 2.5                                           | 3.9                                                           | -1.8                                                                          | -1.8                                     | 5.0                                                                       | 9.1      | 4.9                   | 2.6                   | 4.8       | 6.6                    | 8.1                          | 12.8    | 8.1                          | 4.5                                            | 5.9                                    | 2.5                            |
|           | DIC.                    | 5.5                                       | 2.5                                           | 1.9                                                           | -0.5                                                                          | -1.2                                     | 4.6                                                                       | 8.5      | 4.1                   | 2.6                   | 7.7       | 7.1                    | 10.1                         | 12.3    | 7.3                          | 5.4                                            | 6.4                                    | 2.7                            |
|           | ENE.                    | 5.7                                       | 2.7                                           | 4.5                                                           | -0.5                                                                          | 1.4                                      | 3.9                                                                       | 8.2      | 2.1                   | 7.4                   | 3.4       | 9.1                    | 10.9                         | 12.4    | 8.3                          | -1.1                                           | 5.2                                    | 3.2                            |
|           | FEB.                    | 6.0                                       | 3.8                                           | 3.9                                                           | 1.6                                                                           | 3.7                                      | 4.5                                                                       | 8.1      | 4.6                   | 7.9                   | 3.2       | 4.5                    | 12.8                         | 12.4    | 4.9                          | 3.6                                            | 6.0                                    | 2.4                            |
|           | MAR.                    | 6.3                                       | 3.9                                           | 4.8                                                           | 0.9                                                                           | 5.1                                      | 3.7                                                                       | 8.8      | 5.4                   | 8.1                   | 3.6       | 10.0                   | 7.2                          | 10.2    | 11.8                         | 4.3                                            | 4.4                                    | 8.3                            |
|           | ABR.                    | 6.2                                       | 4.3                                           | 6.6                                                           | 0.4                                                                           | 5.3                                      | 4.0                                                                       | 8.9      | 6.2                   | 7.9                   | 4.2       | 9.6                    | 6.6                          | 9.5     | 11.6                         | 3.2                                            | 4.5                                    | 6.7                            |
|           | MAY.                    | 5.5                                       | 3.6                                           | 4.8                                                           | -1.8                                                                          | 4.3                                      | 4.5                                                                       | 8.3      | 8.4                   | 6.9                   | 4.5       | 8.0                    | 6.1                          | 8.8     | 11.4                         | 3.4                                            | 4.8                                    | 5.1                            |
|           | JUN.                    | 4.7                                       | 2.2                                           | 4.4                                                           | -4.3                                                                          | 4.2                                      | 3.6                                                                       | 7.4      | 5.6                   | 7.2                   | 4.9       | 8.2                    | 5.3                          | 8.1     | 9.4                          | 3.1                                            | 2.9                                    | 5.7                            |
| 2014      | JUL.                    | 4.3                                       | 1.8                                           | 4.9                                                           | -5.1                                                                          | 4.2                                      | 3.8                                                                       | 7.2      | 3.9                   | 7.2                   | 4.6       | 8.3                    | 4.7                          | 8.4     | 6.4                          | 2.6                                            | 5.0                                    | 4.0                            |
|           | AGO.                    | 4.3                                       | 1.5                                           | 4.4                                                           | -5.8                                                                          | 5.5                                      | 8.6                                                                       | 2.2      | 6.6                   | 4.1                   | 7.7       | 5.2                    | 6.6                          | 6.2     | -3.3                         | 2.3                                            | 8.4                                    | 2.1                            |
|           | SET.                    | 3.2                                       | 1.3                                           | 6.5                                                           | -6.4                                                                          | 5.4                                      | 2.2                                                                       | 8.0      | 0.6                   | 6.5                   | 4.1       | 7.6                    | 8.0                          | 4.9     | 4.8                          | 4.9                                            | 1.6                                    | 3.2                            |
|           | OCT.                    | 3.9                                       | 1.5                                           | 6.4                                                           | -6.3                                                                          | 5.5                                      | 2.7                                                                       | 7.3      | 1.5                   | 6.7                   | 4.8       | 7.5                    | 4.3                          | 5.4     | 3.9                          | 7.0                                            | 1.7                                    | 7.1                            |
|           | NOV.                    | 3.8                                       | 1.9                                           | 7.8                                                           | -6.3                                                                          | 6.2                                      | 2.6                                                                       | 7.9      | 1.5                   | 6.8                   | 5.4       | 7.4                    | 3.9                          | 4.5     | 2.9                          | 5.9                                            | 1.9                                    | 6.6                            |
|           | DIC.                    | 3.1                                       | 1.3                                           | 6.2                                                           | -7.5                                                                          | 4.9                                      | 2.6                                                                       | 9.0      | 2.0                   | 5.7                   | 4.7       | 6.2                    | 3.1                          | 3.9     | 2.6                          | 5.2                                            | 2.4                                    | 4.5                            |
|           | ENE.                    | 3.1                                       | 0.7                                           | 5.9                                                           | -9.3                                                                          | 5.3                                      | 1.8                                                                       | 8.4      | 3.2                   | 6.2                   | 3.4       | 7.4                    | 3.3                          | 2.0     | 1.7                          | 1.4                                            | 3.2                                    | 6.2                            |
|           | FEB.                    | 2.7                                       | -0.3                                          | 4.5                                                           | -8.7                                                                          | 4.1                                      | 1.2                                                                       | 4.6      | 1.3                   | 4.8                   | 4.3       | 5.1                    | 3.7                          | 2.1     | 0.8                          | 2.8                                            | 4.0                                    | 6.4                            |
|           | MAR.                    | 2.3                                       | -0.4                                          | 4.1                                                           | -8.5                                                                          | 2.6                                      | 2.5                                                                       | 2.4      | 0.8                   | 4.6                   | 3.9       | 4.9                    | 3.1                          | 3.5     | 0.2                          | 1.9                                            | 2.5                                    | 6.0                            |
|           | ABR.                    | 2.7                                       | -0.9                                          | 3.6                                                           | -8.9                                                                          | 2.2                                      | 2.0                                                                       | -10.5    | 5.2                   | 3.8                   | 5.8       | 3.9                    | 4.2                          | 0.4     | 0.9                          | 2.6                                            | 6.0                                    | -0.2                           |
|           | MAY.                    | 2.7                                       | -0.4                                          | 5.3                                                           | -7.9                                                                          | 3.6                                      | 2.8                                                                       | 1.0      | -3.0                  | 4.0                   | 2.8       | 4.5                    | 4.0                          | 5.0     | -0.1                         | 0.7                                            | 2.5                                    | 8.0                            |
|           | JUN.                    | 3.0                                       | -0.2                                          | 4.7                                                           | -6.9                                                                          | 2.8                                      | 3.8                                                                       | 0.2      | -3.2                  | 4.0                   | 2.1       | 4.8                    | 4.6                          | 5.8     | 0.3                          | 0.8                                            | 4.3                                    | 7.7                            |
|           | JUL.                    | 3.0                                       | -1.1                                          | 2.0                                                           | -6.9                                                                          | 3.0                                      | 2.8                                                                       | 0.5      | -4.2                  | 4.5                   | 1.6       | 5.7                    | 4.9                          | 6.1     | 1.0                          | -0.2                                           | 5.2                                    | 7.3                            |
| 2015      | AGO.                    | 2.5                                       | -1.7                                          | 1.5                                                           | -8.0                                                                          | 2.7                                      | 2.7                                                                       | -1.8     | -4.7                  | 3.9                   | 1.3       | 5.0                    | 4.6                          | 5.4     | 0.7                          | -1.8                                           | 5.8                                    | 6.7                            |
|           | SET.                    | 3.4                                       | -1.3                                          | 1.4                                                           | -8.2                                                                          | 3.2                                      | 2.8                                                                       | -0.9     | -2.2                  | 4.2                   | 0.6       | 5.7                    | 6.0                          | 5.8     | 1.0                          | -1.6                                           | 6.6                                    | 10.0                           |
|           | OCT.                    | 2.7                                       | -1.2                                          | 2.7                                                           | -8.3                                                                          | 2.4                                      | 2.7                                                                       | -0.3     | -2.9                  | 2.9                   | -0.3      | 4.3                    | 4.9                          | 4.9     | 2.2                          | -4.3                                           | 6.5                                    | 6.6                            |
|           | NOV.                    | 2.6                                       | -1.4                                          | 2.2                                                           | -4.0                                                                          | 0.6                                      | 2.5                                                                       | -1.7     | 1.8                   | -1.9                  | -1.5      | 2.5                    | 4.3                          | 5.2     | 2.4                          | 2.3                                            | 7.0                                    | 1.1                            |
|           | DIC.                    | 2.8                                       | -1.6                                          | 0.2                                                           | -7.9                                                                          | 1.2                                      | 2.7                                                                       | -2.1     | -0.8                  | 1.5                   | -1.0      | 2.5                    | 6.0                          | 6.9     | 2.1                          | -1.9                                           | 8.6                                    | 7.2                            |
|           | ENE.                    | 2.0                                       | -1.4                                          | -0.2                                                          | -6.5                                                                          | -0.3                                     | 2.4                                                                       | -2.0     | -0.8                  | 1.8                   | -0.7      | 2.8                    | 4.2                          | 5.8     | 2.4                          | 0.2                                            | 5.2                                    | 5.0                            |
|           | FEB.                    | 2.0                                       | -1.1                                          | 1.3                                                           | -7.3                                                                          | -0.9                                     | 2.3                                                                       | 0.1      | 0.4                   | 1.8                   | -2.5      | 3.5                    | 4.0                          | 4.2     | 2.9                          | 1.1                                            | 5.3                                    | 4.3                            |
|           | MAR.                    | 2.1                                       | -1.1                                          | 0.4                                                           | -7.1                                                                          | 0.9                                      | 2.7                                                                       | 1.8      | -1.6                  | 1.1                   | -2.8      | 2.8                    | 4.6                          | 8.7     | 3.4                          | 0.6                                            | 4.8                                    | 4.8                            |
|           | ABR.                    | 1.6                                       | -1.2                                          | 0.5                                                           | -5.0                                                                          | 1.7                                      | 1.4                                                                       | 0.6      | -4.0                  | 1.3                   | -2.5      | 2.9                    | 3.3                          | 5.6     | 3.1                          | 1.8                                            | 3.9                                    | 2.5                            |
|           | MAY.                    | 1.9                                       | -1.4                                          | -0.7                                                          | -3.8                                                                          | 1.7                                      | 0.4                                                                       | 0.5      | -4.1                  | 2.3                   | -1.8      | 4.0                    | 3.7                          | 4.5     | 3.1                          | 1.7                                            | 3.3                                    | 4.6                            |
|           | JUN.                    | 1.4                                       | -2.4                                          | -0.2                                                          | -4.0                                                                          | 0.6                                      | -1.2                                                                      | -0.6     | -5.7                  | 1.8                   | -1.9      | 3.4                    | 3.4                          | 3.9     | 4.0                          | 2.3                                            | 4.4                                    | 3.2                            |
|           | JUL.                    | 0.9                                       | -2.2                                          | -0.8                                                          | -4.6                                                                          | 0.3                                      | -0.8                                                                      | -0.1     | -5.6                  | 0.6                   | -1.3      | 1.4                    | 2.8                          | 2.1     | 3.3                          | 3.2                                            | 1.3                                    | 4.5                            |
|           | AGO.                    | 1.3                                       | -2.2                                          | -1.6                                                          | -3.7                                                                          | -0.2                                     | -0.5                                                                      | 0.7      | -6.8                  | 1.6                   | -0.3      | 2.4                    | 3.3                          | 2.5     | 3.0                          | 3.9                                            | 1.4                                    | 5.6                            |
| 2016      | SET.                    | 0.7                                       | -2.2                                          | -1.6                                                          | -3.8                                                                          | 2.7                                      | -0.4                                                                      | -0.9     | -7.6                  | 1.1                   | 0.4       | 1.4                    | 2.1                          | 2.4     | 2.3                          | 3.3                                            | 1.1                                    | 3.1                            |
|           | OCT.                    | 0.9                                       | -2.7                                          | -2.3                                                          | -3.9                                                                          | 3.1                                      | -1.2                                                                      | -1.0     | -8.7                  | 1.0                   | 0.5       | 1.2                    | 2.9                          | 1.6     | 1.8                          | 3.9                                            | 1.7                                    | 5.2                            |
|           | NOV.                    | 0.4                                       | -2.5                                          | -0.8                                                          | -4.3                                                                          | 3.8                                      | -1.1                                                                      | -1.1     | -9.5                  | 1.7                   | 0.5       | 2.2                    | 1.5                          | -0.1    | 1.8                          | 3.8                                            | 0.7                                    | 2.7                            |
|           | DIC.                    | -0.1                                      | -2.6                                          | 0.0                                                           | -3.3                                                                          | 1.4                                      | -1.4                                                                      | -0.9     | -11.2                 | 0.7                   | 0.4       | 0.8                    | 0.9                          | -1.2    | 0.7                          | 3.7                                            | -1.2                                   | 3.2                            |
|           | ENE.                    | 0.6                                       | -1.7                                          | -2.4                                                          | -4.0                                                                          | 3.4                                      | -1.9                                                                      | -1.5     | -10.1                 | 1.3                   | 2.0       | 1.4                    | 2.1                          | 1.4     | 1.0                          | 4.0                                            | 4.5                                    | 4.1                            |
|           | FEB.                    | 0.5                                       | -2.5                                          | 2.4                                                           | -4.8                                                                          | 5.9                                      | -1.9                                                                      | -3.5     | -12.2                 | 0.6                   | 0.4       | 0.7                    | 2.3                          | 1.2     | 1.2                          | 2.8                                            | -1.3                                   | 7.6                            |
|           | MAR.                    | 0.7                                       | -1.9                                          | 2.4                                                           | -4.3                                                                          | 5.0                                      | -1.3                                                                      | -4.0     | -9.1                  | 1.6                   | 0.6       | 2.0                    | 1.9                          | -2.7    | 0.2                          | 3.0                                            | -1.2                                   | 7.8                            |
|           | ABR.                    | 0.1                                       | -1.5                                          | 2.7                                                           | -5.9                                                                          | 6.1                                      | -0.9                                                                      | -4.5     | -4.7                  | 0.8                   | 0.9       | 0.7                    | 0.6                          | -0.6    | -0.3                         | 1.7                                            | -1.0                                   | 3.3                            |
|           | MAY.                    | 0.1                                       | -2.5                                          | 1.2                                                           | -5.9                                                                          | 0.8                                      | -0.5                                                                      | -5.9     | -5.4                  | 0.8                   | 0.7       | 0.9                    | 1.2                          | 0.0     | 0.1                          | 0.7                                            | 0.4                                    | 3.2                            |
|           | JUN.                    | 0.4                                       | -1.8                                          | 2.2                                                           | -6.2                                                                          | 0.5                                      | 1.7                                                                       | -6.3     | -4.3                  | 1.3                   | 0.9       | 1.5                    | 1.1                          | 1.7     | -0.9                         | -0.4                                           | 0.2                                    | 3.0                            |
|           | JUL.                    | 0.7                                       | -1.9                                          | 0.8                                                           | -6.0                                                                          | 0.6                                      | 1.8                                                                       | -6.8     | -3.1                  | 1.2                   | 1.4       | 1.2                    | 1.9                          | 3.0     | -0.7                         | 0.4                                            | 1.0                                    | 3.9                            |
|           | AGO.                    | 1.1                                       | -0.6                                          | 5.1                                                           | -5.3                                                                          | 0.3                                      | 1.4                                                                       | -0.8     | -0.6                  | 0.1                   | 1.4       | 0.8                    | 2.2                          | 4.8     | 0.6                          | -0.1                                           | -0.3                                   | 5.0                            |
|           | SET.                    | 1.6                                       | -0.7                                          | 4.7                                                           | -3.9                                                                          | 3.8                                      | 1.9                                                                       | -7.8     | -1.3                  | 0.9                   | -0.1      | 1.4                    | 2.7                          | 5.3     | 1.4                          | -0.1                                           | -0.9                                   | 6.3                            |
| 2017      | OCT.                    | 0.5                                       | -0.4                                          | 4.6                                                           | -3.4                                                                          | -3.9                                     | 2.4                                                                       | -8.4     | -0.1                  | 1.7                   | -0.1      | 2.5                    | 0.4                          | 2.9     | 2.0                          | -1.2                                           | -2.2                                   | 1.4                            |
|           | NOV.                    | 1.0                                       | -0.8                                          | 2.4                                                           | -3.7                                                                          | -3.6                                     | 2.5                                                                       | -8.0     | 0.1                   | 1.4                   | -0.1      | 2.0                    | 1.7                          | 2.5     | 2.9                          | 0.1                                            | -1.8                                   | 4.4                            |
|           | DIC.                    | 1.3                                       | -0.8                                          | 1.5                                                           | -3.6                                                                          | -1.3                                     | 3.1                                                                       | -8.4     | -0.1                  | 3.5                   | 2.5       | 3.9                    | 1.5                          | 2.0     | 4.0                          | -0.3                                           | -2.1                                   | 3.5                            |
|           | ENE.                    | 1.0                                       | -1.1                                          | 1.4                                                           | -4.8                                                                          | -3.1                                     | 3.3                                                                       | -7.1     | -0.4                  | 2.6                   | 3.8       | 2.2                    | 1.5                          | 1.6     | 3.1                          | -0.8                                           | -1.8                                   | 4.4                            |
|           | FEB.                    | 1.0                                       | -0.7                                          | 0.2                                                           | -3.0                                                                          | -4.6                                     | 3.9                                                                       | -5.9     | 0.4                   | 1.5                   | 3.8       | 0.6                    | 1.7                          | 3.2     | 3.3                          | -0.6                                           | -0.7                                   | 2.8                            |
|           | MAR.                    | 0.4                                       | -1.9                                          | -1.8                                                          | -4.2                                                                          | -4.7                                     | 2.9                                                                       | -4.4     | -0.8                  | 1.1                   | 4.0       | 0.0                    | 1.4                          | 2.2     | 3.9                          | -0.8                                           | 0.4                                    | 1.1                            |
|           | ABR.                    | 0.7                                       | -2.7                                          | -3.3                                                          | -5.8                                                                          | 2.5                                      | -5.2                                                                      | -4.1     | -3.3                  | 3.1                   | 0.6       | 2.3                    | 3.4                          | 4.7     | 0.7                          | 0.6                                            | 1.0                                    | 2.7                            |
|           | MAY.                    | 0.5                                       | -1.6                                          | -2.2                                                          | -4.4                                                                          | -2.0                                     | 3.2                                                                       | -3.4     | -2.5                  | 0.2                   | 3.5       | -1.1                   | 1.7                          | 2.7     | 3.7                          | 1.4                                            | -0.4                                   | 2.6                            |
|           | JUN.                    | 0.2                                       | -1.3                                          | -2.3                                                          | -3.0                                                                          | 0.2                                      | 2.0                                                                       | -2.5     | -3.1                  | -0.9                  | 3.1       | -2.5                   | 1.4                          | 0.0     | 3.5                          | 0.5                                            | -0.1                                   | 2.2                            |
|           | JUL.                    | -0.3                                      | -1.0                                          | -0.9                                                          | -2.2                                                                          | 0.5                                      | 1.7                                                                       | -2.2     | -4.6                  | -0.5                  | 1.6       | -1.4                   | 0.1                          | -0.8    | 3.3                          | -1.9                                           | -0.8                                   | -0.1                           |
|           | AGO.                    | -0.2                                      | -1.2                                          | -2.7                                                          | -1.5                                                                          | 1.2                                      | 1.9                                                                       | -0.7     | -5.7                  | 0.3                   | 3.0       | -0.9                   | 0.2                          | -1.7    | 2.3                          | -1.3                                           | -0.5                                   | 0.4                            |
|           | SET.                    | -0.4                                      | -1.4                                          | -4.6                                                          | -1.7                                                                          | 2.7                                      | 1.7                                                                       | -0.3     | -4.2                  | 0.7                   | 3.8       | -0.6                   | -0.3                         | -0.5    | 1.3                          | -1.3                                           | -1.4                                   | -0.1                           |
|           | OCT.                    | -0.4                                      | -1.9                                          | -5.2                                                          | -1.7                                                                          | 1.4                                      | -0.3                                                                      | -4.9     | 0.3                   | 1.3                   | 4.0       | -1.3                   | 0.2                          | 1.4     | 0.6                          | -1.4                                           | -1.7                                   | 1.0                            |
| 2018      | NOV.                    | -0.4                                      | -1.7                                          | -4.3                                                          | -0.6                                                                          | 0.6                                      | 1.3                                                                       | -0.3     | -6.6                  | 1.1                   | 5.4       | -0.7                   | -0.4                         | 1.8     | -0.1                         | -5.6                                           | 0.3                                    | 1.7                            |
|           | DIC.                    | -0.7                                      | -2.1                                          | -3.7                                                          | -1.5                                                                          | 0.8                                      | 0.4                                                                       | -0.9     | -7.6                  | -0.4                  | 2.9       | -1.7                   | 0.0                          | 3.3     | 0.1                          | -5.8                                           | -0.2                                   | -0.1                           |
|           | ENE.                    | 0.2                                       | -1.3                                          | -3.4                                                          | -0.3                                                                          | 2.9                                      | 1.3                                                                       | -2.0     | -6.2                  | -0.6                  | 2.5       | -1.9                   | 1.4                          | 4.3     | 0.2                          | -5.6                                           | 1.4                                    | 2.2                            |
|           | FEB.                    | 0.0                                       | -1.2                                          | -1.3                                                          | 0.2                                                                           | 0.9                                      | 0.4                                                                       | -1.5     | -7.7                  | 0.6                   | 3.3       | -0.5                   | 0.4                          | 3.7     | -0.1                         | -5.6                                           | 0.6                                    | 0.5                            |
|           | MAR.                    | 0.2                                       | -1.0                                          | 0.0                                                           | 0.8                                                                           | 0.1                                      | 0.0                                                                       | -1.6     | -8.4                  | 1.0                   | 3.2       | 0.1                    | 0.6                          | 4.7     | -0.2                         | -5.4                                           | 0.4                                    | 1.0                            |
|           | ABR.                    | 0.1                                       | -0.8                                          | 1.2                                                           | 0.8                                                                           | -2.1                                     | 0.3                                                                       | -1.1     | -8.2                  | 0.7                   | 3.9       | -0.6                   | 0.3                          | 3.2     | -0.8                         | -5.8                                           | 0.0                                    | 1.1                            |
|           | MAY.                    | 0.9                                       | -0.4                                          | 0.8                                                           | 2.1                                                                           | -0.8                                     | -0.3                                                                      | -1.5     | -6.3                  | 1.9                   | 3.2       | -1.4                   | 1.1                          | 2.7     | -0.3                         | -6.5                                           | 0.5                                    | 2.5                            |
|           | JUN.                    | 1.0                                       | -0.3                                          | 0.4                                                           | 1.9                                                                           | -0.5                                     | 0.1                                                                       | -0.1     | -6.2                  | 2.8                   | 3.1       | 0.7                    | 0.9                          | 2.7     | -0.6                         | -5.1                                           | 2.5                                    | -1.3                           |
|           | JUL.                    | 0.8                                       | -0.4                                          | 0.6                                                           | 0.8                                                                           | -1.8                                     | 0.4                                                                       | -0.3     | -4.6                  | 2.1                   | 2.9       | 1.7                    | 0.9                          | 1.9     | -0.2                         | -2.7                                           | 0.6                                    | 2.4                            |
|           | AGO.                    | 0.8                                       | -0.1                                          | 0.7                                                           | 0.3                                                                           | -1.                                      |                                                                           |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |

LIMA METROPOLITANA: VARIACIÓN ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019  
(Variación porcentual)

| AÑO Y MES | Industria manufacturera |       |                                           |                                               |                                                               |                                                                               |                                          |                                                                           | Comercio |                       |                       | Servicios |                         |                                |         |                              |                                                 |                                         |                                |
|-----------|-------------------------|-------|-------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|-------------------------|--------------------------------|---------|------------------------------|-------------------------------------------------|-----------------------------------------|--------------------------------|
|           | Total                   | Total | Producción de alimentos, bebidas y tabaco | Textiles, confeccion es e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurant es y hoteles | Estableci mientos financiero s | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento , sociales y comunales | Servicios de diversión y esparcimie nto | Servicios personales y hogares |
| FEB.      | 0.5                     | -0.4  | 0.4                                       | -1.2                                          | 0.3                                                           | -0.1                                                                          | -0.2                                     | -1.4                                                                      | 0.2      | -0.3                  | 0.4                   | 1.2       | -2.7                    | 1.7                            | 3.6     | -0.7                         | 3.7                                             | 0.1                                     | -12.2                          |
| MAR.      | 0.8                     | -0.1  | 1.9                                       | -1.6                                          | 0.4                                                           | -1.0                                                                          | -0.1                                     | 0.2                                                                       | 0.5      | 0.3                   | 0.6                   | 1.5       | -3.8                    | 2.4                            | 4.3     | -1.5                         | 5.4                                             | -0.8                                    | -12.0                          |
| ABR.      | 0.8                     | 0.0   | 0.9                                       | -1.5                                          | 1.6                                                           | -0.4                                                                          | -1.6                                     | 1.4                                                                       | 0.4      | -0.1                  | 0.7                   | 1.4       | -3.1                    | 2.8                            | 4.0     | -1.8                         | 4.7                                             | -0.4                                    | -11.5                          |
| MAY.      | 0.3                     | -0.8  | 0.6                                       | -2.8                                          | 0.4                                                           | -0.6                                                                          | -1.7                                     | -0.4                                                                      | 0.3      | 0.8                   | 0.1                   | 0.9       | -2.4                    | 3.1                            | 4.1     | -2.6                         | 3.6                                             | -0.3                                    | -9.9                           |
| JUN.      | 0.3                     | -1.0  | 0.8                                       | -3.8                                          | -0.5                                                          | -1.3                                                                          | -2.8                                     | 3.1                                                                       | 0.4      | 0.9                   | 0.2                   | 1.0       | -1.5                    | 4.1                            | 5.7     | -2.8                         | 3.0                                             | 0.3                                     | -5.7                           |
| JUL.      | 0.4                     | -1.0  | 1.7                                       | -4.2                                          | -0.4                                                          | -1.4                                                                          | -2.8                                     | 1.5                                                                       | 1.0      | 1.2                   | 0.9                   | 0.9       | -0.2                    | 3.8                            | 4.4     | -3.9                         | 3.6                                             | 0.0                                     | -0.2                           |
| AGO. P    | 0.4                     | -1.6  | 1.8                                       | -4.9                                          | -0.5                                                          | -2.3                                                                          | -3.6                                     | 0.2                                                                       | 1.0      | 1.5                   | 0.8                   | 1.1       | 1.5                     | 4.3                            | 4.3     | -4.9                         | 3.9                                             | 1.4                                     | 1.7                            |

Nota: Lima Metropolitana incluye a la Provincia Constitucional del Callao. La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en enero 1995.

P/ Cifras preliminares.

Fuente: MTPE – Encuesta Nacional de Variación Mensual del Empleo (ENAME).

Elaboración: MTPE - DGPIE - Dirección de Investigación Socio Económico Laboral (DISSEL).

[Volver al índice](#)

LIMA METROPOLITANA: VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019  
(Variación porcentual)

| AÑO Y MES |      | Industria manufacturera |                                           |                                              |                                                               |                                                                               |                                          |                                                                           |       | Comercio              |                       |       | Servicios              |                              |         |                              |                                                |                                        |                                |       |
|-----------|------|-------------------------|-------------------------------------------|----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|-------|-----------------------|-----------------------|-------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|-------|
|           |      | Total                   | Producción de alimentos, bebidas y tabaco | Textiles, confecciones e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total | Comercio al por mayor | Comercio al por menor | Total | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |       |
|           |      |                         |                                           |                                              |                                                               |                                                                               |                                          |                                                                           |       |                       |                       |       |                        |                              |         |                              |                                                |                                        |                                |       |
| 1995      | ENE. | -1.9                    | -1.6                                      | 1.9                                          | -4.5                                                          | -0.5                                                                          | -4.8                                     | 4.0                                                                       | -1.5  | 7.5                   | 2.0                   | 16.5  | -3.9                   | 6.3                          | 4.9     | -50.7                        | -3.1                                           | -1.5                                   | 6.8                            | 0.5   |
|           | FEB. | -2.0                    | -1.4                                      | 1.3                                          | -3.5                                                          | -0.7                                                                          | -4.5                                     | 4.1                                                                       | -1.7  | 7.4                   | 1.4                   | 17.3  | -4.5                   | 5.8                          | 3.2     | -49.1                        | -1.5                                           | -2.1                                   | 5.0                            | 0.6   |
|           | MAR. | -2.4                    | -1.5                                      | -0.1                                         | -3.4                                                          | -1.3                                                                          | -3.8                                     | 4.1                                                                       | -1.4  | 7.8                   | 1.4                   | 18.3  | -5.5                   | 4.7                          | 1.9     | -48.8                        | -1.2                                           | -3.4                                   | 3.7                            | 1.0   |
|           | ABR. | -2.4                    | -1.4                                      | -0.4                                         | -3.0                                                          | -1.9                                                                          | -3.2                                     | 3.9                                                                       | -1.3  | 8.0                   | 0.5                   | 20.6  | -5.4                   | 4.6                          | 1.2     | -48.9                        | -0.8                                           | -2.3                                   | 2.7                            | 2.2   |
|           | MAY. | -2.3                    | -1.4                                      | -0.5                                         | -2.9                                                          | -2.6                                                                          | -3.0                                     | 3.4                                                                       | -1.4  | 8.1                   | -0.2                  | 22.5  | -5.2                   | 4.0                          | 0.6     | -49.0                        | 0.0                                            | -1.5                                   | 2.2                            | 5.3   |
|           | JUN. | -2.3                    | -1.7                                      | -1.4                                         | -3.0                                                          | -3.4                                                                          | -2.5                                     | 2.8                                                                       | -1.6  | 8.4                   | 0.3                   | 22.3  | -4.7                   | 4.0                          | 0.1     | -48.4                        | 0.9                                            | -0.5                                   | 1.5                            | 3.5   |
|           | JUL. | -2.1                    | -2.0                                      | -2.1                                         | -3.2                                                          | -4.4                                                                          | -2.1                                     | 2.2                                                                       | -1.7  | 8.8                   | 1.2                   | 21.5  | -4.2                   | 3.9                          | -0.2    | -46.2                        | 1.7                                            | -0.1                                   | 1.3                            | 2.3   |
|           | AGO. | -1.9                    | -2.2                                      | -2.6                                         | -3.4                                                          | -5.2                                                                          | -1.7                                     | 1.8                                                                       | -1.8  | 9.1                   | 1.8                   | 20.9  | -3.6                   | 3.5                          | -0.3    | -43.8                        | 2.6                                            | 0.1                                    | 1.4                            | 1.7   |
|           | SET. | -1.6                    | -2.3                                      | -3.1                                         | -3.5                                                          | -5.3                                                                          | -1.2                                     | 1.7                                                                       | -1.8  | 9.4                   | 2.3                   | 21.0  | -2.9                   | 3.5                          | -0.5    | -40.2                        | 3.2                                            | 0.5                                    | 1.8                            | 2.1   |
|           | OCT. | -1.4                    | -2.4                                      | -3.0                                         | -3.8                                                          | -5.7                                                                          | -0.7                                     | 1.2                                                                       | -1.8  | 9.7                   | 2.9                   | 20.8  | -2.3                   | 3.1                          | -0.7    | -36.6                        | 3.8                                            | 0.7                                    | 2.0                            | 2.3   |
|           | NOV. | -1.1                    | -2.4                                      | -2.9                                         | -4.2                                                          | -6.2                                                                          | -0.3                                     | 1.1                                                                       | -1.8  | 10.0                  | 3.4                   | 20.7  | -1.6                   | 3.0                          | -1.0    | -32.3                        | 4.0                                            | 1.1                                    | 2.5                            | 2.8   |
|           | DIC. | -0.9                    | -2.5                                      | -2.8                                         | -4.6                                                          | -6.5                                                                          | 0.2                                      | 0.7                                                                       | -1.8  | 9.9                   | 3.6                   | 20.1  | -1.1                   | 3.0                          | -1.1    | -28.2                        | 4.0                                            | 1.4                                    | 2.9                            | 2.4   |
| 1996      | ENE. | 2.1                     | -3.5                                      | -4.5                                         | -7.3                                                          | -5.6                                                                          | 6.7                                      | -4.1                                                                      | -4.7  | 14.6                  | 5.7                   | 26.9  | 5.6                    | 3.1                          | 0.2     | 48.3                         | 5.9                                            | 3.5                                    | 0.6                            | 0.2   |
|           | FEB. | 1.5                     | -4.6                                      | -7.3                                         | -7.4                                                          | -5.7                                                                          | 7.0                                      | -4.9                                                                      | -4.7  | 14.6                  | 6.6                   | 25.0  | 5.4                    | 2.7                          | 0.6     | 45.2                         | 5.0                                            | 3.8                                    | 1.8                            | 0.3   |
|           | MAR. | 1.8                     | -4.7                                      | -7.7                                         | -6.5                                                          | -6.0                                                                          | 6.8                                      | -5.1                                                                      | -7.2  | 15.0                  | 6.7                   | 26.2  | 6.0                    | 1.6                          | 1.5     | 44.2                         | 5.7                                            | 3.5                                    | 1.2                            | -1.0  |
|           | ABR. | 2.1                     | -4.4                                      | -7.5                                         | -5.7                                                          | -5.4                                                                          | 6.6                                      | -4.9                                                                      | -7.6  | 15.3                  | 7.4                   | 25.6  | 6.3                    | 1.2                          | 2.4     | 45.3                         | 2.9                                            | 4.7                                    | 2.4                            | -1.8  |
|           | MAY. | 2.3                     | -4.1                                      | -7.1                                         | -5.4                                                          | -4.8                                                                          | 6.6                                      | -4.6                                                                      | -7.3  | 15.5                  | 7.8                   | 25.1  | 6.3                    | 0.8                          | 3.5     | 45.2                         | 2.2                                            | 4.4                                    | 2.9                            | -1.8  |
|           | JUN. | 2.6                     | -3.7                                      | -6.8                                         | -4.6                                                          | -4.2                                                                          | 6.7                                      | -3.9                                                                      | -7.0  | 15.4                  | 7.9                   | 24.7  | 6.5                    | 0.3                          | 5.0     | 46.5                         | 1.3                                            | 4.0                                    | 3.6                            | -1.7  |
|           | JUL. | 2.8                     | -3.5                                      | -7.0                                         | -3.8                                                          | -3.6                                                                          | 6.8                                      | -3.9                                                                      | -6.9  | 15.3                  | 7.5                   | 24.9  | 6.7                    | 0.2                          | 6.1     | 46.2                         | 0.9                                            | 3.9                                    | 4.2                            | -1.8  |
|           | AGO. | 2.9                     | -3.3                                      | -7.3                                         | -3.2                                                          | -3.2                                                                          | 6.7                                      | -3.8                                                                      | -6.9  | 15.1                  | 6.9                   | 25.0  | 6.9                    | 0.6                          | 7.0     | 46.0                         | 0.5                                            | 3.8                                    | 4.6                            | -2.4  |
|           | SET. | 3.0                     | -3.3                                      | -7.4                                         | -2.8                                                          | -2.7                                                                          | 6.5                                      | -3.8                                                                      | -7.0  | 15.1                  | 6.5                   | 25.7  | 6.9                    | 0.7                          | 7.9     | 42.8                         | 0.4                                            | 3.6                                    | 4.3                            | -3.1  |
|           | OCT. | 3.1                     | -2.9                                      | -7.2                                         | -2.0                                                          | -1.8                                                                          | 6.4                                      | -3.6                                                                      | -7.1  | 15.1                  | 5.9                   | 26.6  | 6.9                    | 1.2                          | 8.8     | 39.2                         | 0.2                                            | 3.5                                    | 3.8                            | -4.3  |
|           | NOV. | 3.2                     | -2.7                                      | -7.2                                         | -1.1                                                          | -1.3                                                                          | 6.0                                      | -3.7                                                                      | -7.0  | 14.9                  | 5.1                   | 27.5  | 6.9                    | 1.8                          | 9.4     | 36.0                         | 0.3                                            | 3.5                                    | 3.2                            | -5.1  |
|           | DIC. | 3.4                     | -2.4                                      | -7.0                                         | -0.3                                                          | -0.9                                                                          | 5.6                                      | -3.6                                                                      | -6.9  | 15.1                  | 4.3                   | 29.2  | 6.9                    | 1.9                          | 10.1    | 33.6                         | 0.5                                            | 3.6                                    | 2.8                            | -5.5  |
| 1997      | ENE. | 5.0                     | 2.1                                       | -3.0                                         | 12.6                                                          | 7.0                                                                           | 0.4                                      | -1.3                                                                      | -6.5  | 7.9                   | -6.8                  | 27.5  | 7.2                    | -0.7                         | 15.4    | 16.0                         | 4.4                                            | 3.6                                    | -2.4                           | -10.0 |
|           | FEB. | 5.0                     | 2.2                                       | -2.2                                         | 12.1                                                          | 7.4                                                                           | -0.4                                     | -1.6                                                                      | -5.5  | 7.9                   | -7.6                  | 28.9  | 7.1                    | -0.7                         | 14.9    | 16.2                         | 5.0                                            | 3.5                                    | -2.2                           | -9.6  |
|           | MAR. | 4.6                     | 2.1                                       | -3.0                                         | 11.2                                                          | 8.0                                                                           | -0.2                                     | -1.9                                                                      | -4.5  | 5.6                   | -8.8                  | 25.0  | 7.0                    | -0.4                         | 14.5    | 16.7                         | 4.7                                            | 3.3                                    | -1.8                           | -7.8  |
|           | ABR. | 4.5                     | 1.8                                       | -3.4                                         | 10.6                                                          | 7.7                                                                           | -0.1                                     | -2.2                                                                      | -4.3  | 4.2                   | -9.5                  | 22.7  | 7.4                    | 0.0                          | 14.0    | 16.0                         | 4.4                                            | 4.7                                    | -0.9                           | -6.7  |
|           | MAY. | 4.3                     | 1.7                                       | -4.0                                         | 10.2                                                          | 7.2                                                                           | -0.1                                     | -2.6                                                                      | -4.2  | 3.4                   | -10.2                 | 21.3  | 7.4                    | 0.5                          | 13.3    | 15.7                         | 4.2                                            | 5.4                                    | -1.0                           | -6.0  |
|           | JUN. | 4.0                     | 1.5                                       | -4.5                                         | 10.8                                                          | 7.2                                                                           | -0.2                                     | -3.0                                                                      | -4.6  | 3.0                   | -10.4                 | 20.4  | 7.0                    | 0.5                          | 12.5    | 12.5                         | 4.0                                            | 5.7                                    | -1.1                           | -5.6  |
|           | JUL. | 3.8                     | 1.4                                       | -4.3                                         | 10.6                                                          | 7.2                                                                           | -0.3                                     | -2.9                                                                      | -4.8  | 2.7                   | -10.2                 | 19.2  | 6.7                    | 1.0                          | 11.8    | 10.4                         | 3.9                                            | 5.9                                    | -1.4                           | -4.0  |
|           | AGO. | 3.7                     | 1.5                                       | -3.8                                         | 10.5                                                          | 6.9                                                                           | -0.3                                     | -2.7                                                                      | -5.0  | 2.7                   | -10.0                 | 18.6  | 6.4                    | 1.0                          | 11.4    | 7.9                          | 4.1                                            | 5.5                                    | -1.3                           | -2.7  |
|           | SET. | 3.7                     | 1.6                                       | -3.4                                         | 10.5                                                          | 6.6                                                                           | -0.4                                     | -2.4                                                                      | -5.0  | 2.5                   | -9.9                  | 17.6  | 6.2                    | 1.1                          | 11.1    | 6.9                          | 4.0                                            | 5.6                                    | -1.0                           | -1.7  |
|           | OCT. | 3.6                     | 1.5                                       | -3.7                                         | 10.3                                                          | 6.3                                                                           | -0.5                                     | -2.0                                                                      | -5.0  | 2.5                   | -9.7                  | 17.1  | 6.1                    | 0.6                          | 10.6    | 5.9                          | 3.9                                            | 5.7                                    | -0.8                           | -0.3  |
|           | NOV. | 3.5                     | 1.4                                       | -3.7                                         | 9.9                                                           | 6.1                                                                           | -0.3                                     | -1.4                                                                      | -5.1  | 2.7                   | -9.3                  | 16.6  | 6.0                    | 0.1                          | 10.4    | 5.6                          | 3.7                                            | 5.8                                    | -0.7                           | 0.5   |
|           | DIC. | 3.4                     | 1.4                                       | -3.9                                         | 9.6                                                           | 6.0                                                                           | -0.1                                     | -0.8                                                                      | -5.1  | 2.6                   | -8.8                  | 15.5  | 5.8                    | -0.2                         | 10.2    | 5.0                          | 3.7                                            | 5.8                                    | -0.7                           | 1.5   |
| 1998      | ENE. | 1.6                     | -1.3                                      | -3.9                                         | 2.3                                                           | -1.0                                                                          | 2.2                                      | 5.1                                                                       | -5.4  | 2.7                   | -3.4                  | 8.7   | 3.6                    | -0.4                         | 7.6     | -1.0                         | 1.2                                            | 3.7                                    | -0.1                           | 7.9   |
|           | FEB. | 1.9                     | -0.3                                      | -5.8                                         | 2.5                                                           | 0.5                                                                           | 2.7                                      | 5.6                                                                       | -4.6  | 4.0                   | -2.3                  | 8.5   | 3.3                    | 1.1                          | 7.2     | 0.9                          | 0.8                                            | 2.1                                    | 0.4                            | 7.2   |
|           | MAR. | 2.1                     | -0.3                                      | -4.5                                         | 1.8                                                           | 0.3                                                                           | 2.0                                      | 5.6                                                                       | -4.1  | 5.1                   | -0.4                  | 8.9   | 3.3                    | 2.4                          | 6.4     | 1.3                          | 0.9                                            | 2.5                                    | 0.2                            | 9.7   |
|           | ABR. | 2.3                     | -0.5                                      | -4.2                                         | 1.1                                                           | 0.3                                                                           | 1.7                                      | 5.2                                                                       | -3.7  | 5.8                   | 0.5                   | 9.3   | 3.7                    | 2.4                          | 6.6     | 2.1                          | 1.3                                            | 3.3                                    | -0.1                           | 9.3   |
|           | MAY. | 2.2                     | -0.7                                      | -3.6                                         | -0.1                                                          | 0.1                                                                           | 1.7                                      | 4.5                                                                       | -3.4  | 6.0                   | 1.3                   | 9.0   | 3.8                    | 2.8                          | 6.7     | 3.5                          | 1.4                                            | 3.0                                    | 0.0                            | 8.8   |
|           | JUN. | 2.2                     | -0.7                                      | -3.1                                         | -0.7                                                          | 0.4                                                                           | 1.3                                      | 3.8                                                                       | -2.8  | 6.0                   | 1.7                   | 8.8   | 3.8                    | 3.5                          | 6.4     | 5.2                          | 1.7                                            | 2.7                                    | 0.1                            | 9.3   |
|           | JUL. | 2.2                     | -0.8                                      | -3.2                                         | -0.9                                                          | 0.6                                                                           | 1.1                                      | 3.3                                                                       | -2.4  | 6.0                   | 1.9                   | 8.7   | 3.8                    | 3.5                          | 6.2     | 7.1                          | 2.2                                            | 2.4                                    | 0.5                            | 8.4   |
|           | AGO. | 2.2                     | -0.9                                      | -3.0                                         | -1.2                                                          | 0.7                                                                           | 2.6                                      | 2.2                                                                       | -1.9  | 6.2                   | 2.2                   | 8.8   | 3.8                    | 3.5                          | 5.6     | 8.3                          | 2.6                                            | 2.5                                    | 1.1                            | 7.7   |
|           | SET. | 2.2                     | -1.0                                      | -3.1                                         | -1.3                                                          | 1.4                                                                           | 0.4                                      | 1.8                                                                       | -1.9  | 6.3                   | 2.4                   | 8.7   | 3.9                    | 3.7                          | 4.8     | 9.3                          | 3.2                                            | 2.9                                    | 0.9                            | 7.5   |
|           | OCT. | 2.2                     | -1.2                                      | -3.3                                         | -1.6                                                          | 1.6                                                                           | 0.2                                      | 1.1                                                                       | -2.0  | 6.4                   | 2.6                   | 8.9   | 4.0                    | 3.8                          | 4.3     | 10.4                         | 4.0                                            | 3.1                                    | 0.9                            | 6.7   |
|           | NOV. | 1.9                     | -1.7                                      | -3.6                                         | -2.2                                                          | 1.5                                                                           | -0.2                                     | -0.1                                                                      | -2.0  | 6.4                   | 2.5                   | 8.8   | 3.9                    | 3.5                          | 3.7     | 10.7                         | 4.8                                            | 3.1                                    | 0.9                            | 6.5   |
|           | DIC. | 1.7                     | -1.9                                      | -3.4                                         | -2.6                                                          | 1.4                                                                           | -0.6                                     | -1.0                                                                      | -2.4  | 6.4                   | 2.5                   | 8.9   | 3.7                    | 3.0                          | 3.1     | 11.1                         | 5.2                                            | 3.2                                    | 0.6                            | 5.9   |
| 1999      | ENE. | -0.8                    | -5.7                                      | -3.6                                         | -5.3                                                          | -4.2                                                                          | -3.5                                     | -10.8                                                                     | -9.0  | 4.0                   | 1.3                   | 5.9   | 2.0                    | -3.2                         | -5.2    | 16.9                         | 10.8                                           | 4.9                                    | -2.3                           | 3.2   |
|           | FEB. | -1.6                    | -6.1                                      | -4.4                                         | -5.3                                                          | -4.8                                                                          | -4.2                                     | -11.1                                                                     | -9.9  | 2.4                   | -0.1                  | 4.2   | 1.4                    | -3.9                         | -6.3    | 17.2                         | 10.8                                           | 4.7                                    | -4.2                           | 0.9   |
|           | MAR. | -2.0                    | -6.1                                      | -4.2                                         | -4.7                                                          | -4.6                                                                          | -4.5                                     | -11.2                                                                     | -11.1 | 1.7                   | -1.4                  | 4.0   | 0.7                    | -4.8                         | -6.9    | 15.1                         | 10.1                                           | 4.2                                    | -4.4                           | -3.8  |
|           | ABR. | -2.5                    | -5.9                                      | -4.5                                         | -3.6                                                          | -4.1                                                                          | -4.6                                     | -11.6                                                                     | -11.9 | 0.9                   | -2.5                  | 3.5   | -0.3                   | -5.3                         | -7.9    | 12.6                         | 9.3                                            | 3.2                                    | -5.3                           | -6.7  |
|           | MAY. | -2.8                    | -5.9                                      | -5.0                                         | -2.8                                                          | -3.6                                                                          | -5.0                                     | -11.8                                                                     | -12.9 | 0.5                   | -3.1                  | 3.2   | -0.9                   | -5.9                         | -8.6    | 9.8                          | 8.8                                            | 3.0                                    | -6.2                           | -9.5  |
|           | JUN. | -3.1                    | -6.0                                      | -5.4                                         | -2.2                                                          | -3.7                                                                          | -5.1                                     | -12.2                                                                     | -13.6 | 0.0                   | -3.6                  | 2.7   | -1.5                   | -6.4                         | -9.2    | 7.5                          | 7.9                                            | 3.2                                    | -7.1                           | -13.7 |
|           | JUL. | -3.4                    | -6.1                                      | -5.8                                         | -1.9                                                          | -3.8                                                                          | -5.1                                     | -12.5                                                                     | -14.1 | -0.2                  | -3.8                  | 2.5   | -2.0                   | -6.7                         | -9.7    | 4.3                          | 6.9                                            | 3.4                                    | -8.0                           | -16.6 |
|           | AGO. | -3.6                    | -6.2                                      | -6.1                                         | -1.7                                                          | -3.8                                                                          | -5.2                                     | -12.7                                                                     | -14.5 | -0.6                  | -4.0                  | 1.9   | -2.3                   | -6.9                         | -10.0   | 1.9                          | 5.9                                            | 3.7                                    | -8.8                           | -18.8 |
|           | SET. | -3.8                    | -6.1                                      | -6.2                                         | -1.6                                                          | -3.8                                                                          | -5.1                                     | -12.5                                                                     | -14.6 | -0.9                  | -4.2                  | 1.6   | -2.6                   | -7.3                         | -10.1   | -0.1                         | 5.1                                            | 3.6                                    | -8.9                           | -20.1 |
|           | OCT. | -3.9                    | -6.0                                      | -6.1                                         | -1.3                                                          | -3.8                                                                          | -5.0                                     | -12.4                                                                     | -14.6 | -1.3                  | -4.3                  | 1.0   | -3.0                   | -7.5                         | -10.4   | -2.0                         | 4.6                                            | 3.4                                    | -9.1                           | -20.5 |
|           | NOV. | -3.9                    | -5.7                                      | -6.0                                         | -0.6                                                          | -3.6                                                                          | -4.6                                     | -12.4                                                                     | -14.6 | -1.5                  | -4.3                  | 0.7   | -3.2                   | -7.3                         | -10.7   | -3.3                         | 4.4                                            | 3.3                                    | -9.0                           | -21.1 |
|           | DIC. | -3.9                    | -5.4                                      | -6.1                                         | 0.0                                                           | -3.5                                                                          | -4.3                                     | -12.3                                                                     | -14.2 | -1.6                  | -4.4                  | 0.5   | -3.3                   | -7.0                         | -10.9   | -4.5                         | 4.2                                            | 3.1                                    | -8.7                           | -21.6 |
| 2000      | ENE. | -2.9                    | -1.5                                      | -5.0                                         | 7.0                                                           | -0.7                                                                          | -2.5                                     | -14.2                                                                     | -7.7  | -0.1                  | -4.0                  | 2.9   | -5.0                   | -2.5                         | -13.4   | -13.7                        | 2.2                                            | -0.1                                   | -4.9                           | -24.6 |
|           | FEB. | -2.7                    | -1.4                                      | -4.1                                         | 6.9                                                           | -1.9                                                                          | -1.5                                     | -14.6                                                                     | -8.1  | 0.3                   | -3.5                  | 3.3   | -5.0                   | -2.8                         | -12.0   | -14.2                        | 3.5                                            | -1.5                                   | -3.9                           | -23.6 |
|           | MAR. | -2.3                    | -1.2                                      | -4.0                                         | 7.2                                                           | -1.8                                                                          | -0.8                                     | -15.1                                                                     | -8.0  | 0.8                   | -3.0                  | 3.7   | -4.5                   | -2.7                         | -11.8   | -13.0                        | 4.0                                            | -0.7                                   | -4.1                           | -22.8 |
|           | ABR. | -1.9                    | -1.0                                      | -3.2                                         | 6.5                                                           | -1.8                                                                          | -0.4                                     | -15.0                                                                     | -7.2  | 1.5                   | -2.3                  | 4.5   | -3.9                   | -2.8                         | -11.8   | -12.5                        | 3.6                                            | 0.9                                    | -3.5                           | -20.2 |
|           | MAY. | -1.6                    | -0.9                                      | -3.3                                         | 6.4                                                           | -2.0                                                                          | -0.2                                     | -14.5                                                                     | -6.5  | 1.7                   | -2.4                  | 4.8   | -3.4                   | -3.0                         | -11.9   | -11.6                        | 3.0                                            | 2.0                                    | -2.6                           | -16.6 |
|           | JUN. | -1.3                    | -0.9                                      | -3.6                                         | 6.2                                                           | -2.4                                                                          | 0.1                                      | -14.0                                                                     | -6.0  | 1.8                   | -2.4                  | 5.0   | -2.9                   | -3.1                         | -11.8   | -10.6                        | 3.3                                            | 2.8                                    | -2.3                           | -12.4 |
|           | JUL. | -1.1                    | -0.8                                      |                                              |                                                               |                                                                               |                                          |                                                                           |       |                       |                       |       |                        |                              |         |                              |                                                |                                        |                                |       |

[Volver al índice](#)

LIMA METROPOLITANA: VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019  
(Variación porcentual)

| AÑO Y MES | Industria manufacturera |     |                                           |                                              |                                                               |                                                                               |                                          |                                                                           | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |       |
|-----------|-------------------------|-----|-------------------------------------------|----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|-------|
|           | Total                   |     | Producción de alimentos, bebidas y tabaco | Textiles, confecciones e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |       |
| 2002      | AGO.                    | 0.2 | 0.9                                       | -2.6                                         | 8.0                                                           | -4.1                                                                          | -3.2                                     | -2.3                                                                      | -3.2     | -0.1                  | -3.4                  | 1.6       | -0.5                   | 2.9                          | -7.4    | -10.2                        | 0.0                                            | 4.8                                    | -2.9                           | 3.2   |
|           | SET.                    | 0.3 | 0.8                                       | -2.4                                         | 7.6                                                           | -4.1                                                                          | -3.2                                     | -2.6                                                                      | -3.4     | 0.4                   | -3.3                  | 2.3       | -0.3                   | 3.3                          | -7.2    | -9.6                         | 0.1                                            | 4.7                                    | -1.9                           | 2.2   |
|           | OCT.                    | 0.4 | 0.6                                       | -2.0                                         | 7.2                                                           | -4.1                                                                          | -3.4                                     | -2.6                                                                      | -3.7     | 1.0                   | -3.1                  | 3.3       | 0.0                    | 3.5                          | -6.9    | -8.8                         | 0.3                                            | 4.7                                    | -0.9                           | 1.6   |
|           | NOV.                    | 0.6 | 0.5                                       | -1.9                                         | 6.8                                                           | -4.1                                                                          | -3.3                                     | -2.7                                                                      | -3.8     | 1.4                   | -2.8                  | 3.8       | 0.3                    | 3.6                          | -6.6    | -7.9                         | 0.7                                            | 4.7                                    | 0.0                            | 1.2   |
|           | DIC.                    | 0.7 | 0.5                                       | -1.8                                         | 6.5                                                           | -3.9                                                                          | -3.2                                     | -2.8                                                                      | -3.9     | 1.5                   | -2.6                  | 3.8       | 0.6                    | 3.6                          | -6.2    | -7.3                         | 1.3                                            | 4.8                                    | 0.7                            | 0.5   |
|           | ENE.                    | 1.5 | -1.5                                      | -1.0                                         | 2.2                                                           | -5.3                                                                          | -1.2                                     | -4.4                                                                      | -8.7     | 3.6                   | -0.2                  | 5.7       | 3.5                    | 4.2                          | -0.5    | 0.8                          | 7.1                                            | 2.7                                    | 9.3                            | -10.4 |
|           | FEB.                    | 1.7 | -1.3                                      | 0.5                                          | 1.5                                                           | -4.4                                                                          | -1.5                                     | -5.0                                                                      | -7.2     | 4.2                   | -0.2                  | 6.6       | 3.6                    | 3.7                          | 0.3     | 1.5                          | 6.1                                            | 2.9                                    | 9.6                            | -8.7  |
|           | MAR.                    | 1.9 | -0.9                                      | 0.7                                          | 1.4                                                           | -3.0                                                                          | -1.1                                     | -4.8                                                                      | -6.1     | 4.8                   | 0.2                   | 7.4       | 3.3                    | 3.3                          | 1.3     | 2.9                          | 6.3                                            | 1.0                                    | 10.9                           | -4.6  |
|           | ABR.                    | 2.0 | -0.8                                      | 1.4                                          | 1.0                                                           | -3.3                                                                          | -0.3                                     | -4.6                                                                      | -5.7     | 4.8                   | 0.2                   | 7.3       | 3.6                    | 3.0                          | 2.5     | 3.6                          | 5.8                                            | 1.4                                    | 10.9                           | -2.7  |
|           | MAY.                    | 2.1 | -0.8                                      | 1.9                                          | 0.4                                                           | -3.4                                                                          | 0.5                                      | -5.1                                                                      | -5.4     | 4.8                   | 0.1                   | 7.3       | 3.8                    | 2.7                          | 3.1     | 4.0                          | 5.2                                            | 1.9                                    | 10.9                           | -1.1  |
|           | JUN.                    | 2.1 | -0.8                                      | 2.1                                          | -0.1                                                          | -3.2                                                                          | 1.1                                      | -4.9                                                                      | -5.1     | 4.9                   | -1.0                  | 8.1       | 3.9                    | 2.6                          | 3.4     | 4.5                          | 4.3                                            | 2.3                                    | 10.8                           | 0.1   |
|           | JUL.                    | 2.2 | -0.7                                      | 2.7                                          | -0.6                                                          | -2.8                                                                          | 1.8                                      | -4.6                                                                      | -4.8     | 4.9                   | -1.6                  | 8.5       | 3.9                    | 2.0                          | 3.8     | 4.8                          | 4.0                                            | 2.5                                    | 10.3                           | 1.0   |
| 2003      | AGO.                    | 2.3 | -0.6                                      | 2.9                                          | -1.0                                                          | -2.6                                                                          | 2.3                                      | -4.2                                                                      | -4.3     | 4.9                   | -1.9                  | 8.5       | 4.1                    | 1.6                          | 4.1     | 4.7                          | 3.7                                            | 3.0                                    | 10.0                           | 2.5   |
|           | SET.                    | 2.3 | -0.4                                      | 3.1                                          | -1.2                                                          | -2.4                                                                          | 2.9                                      | -3.9                                                                      | -3.9     | 4.7                   | -2.2                  | 8.5       | 4.0                    | 1.2                          | 4.3     | 4.6                          | 3.4                                            | 3.0                                    | 9.8                            | 3.4   |
|           | OCT.                    | 2.3 | -0.2                                      | 3.4                                          | -1.2                                                          | -2.2                                                                          | 3.4                                      | -3.5                                                                      | -3.2     | 4.4                   | -2.5                  | 8.2       | 3.9                    | 1.1                          | 4.4     | 4.4                          | 3.2                                            | 2.9                                    | 9.4                            | 4.8   |
|           | NOV.                    | 2.3 | 0.0                                       | 3.6                                          | -1.2                                                          | -2.0                                                                          | 3.8                                      | -3.1                                                                      | -2.6     | 4.4                   | -2.8                  | 8.2       | 3.7                    | 0.9                          | 4.4     | 4.4                          | 2.6                                            | 2.9                                    | 9.2                            | 5.5   |
|           | DIC.                    | 2.3 | 0.1                                       | 3.8                                          | -1.3                                                          | -1.8                                                                          | 4.1                                      | -2.8                                                                      | -2.3     | 4.5                   | -3.0                  | 8.5       | 3.6                    | 1.0                          | 4.4     | 4.4                          | 2.4                                            | 2.8                                    | 9.0                            | 6.2   |
|           | ENE.                    | 3.7 | 2.4                                       | 5.3                                          | -1.7                                                          | 5.4                                                                           | 7.3                                      | 1.7                                                                       | 3.0      | 7.2                   | -4.2                  | 13.0      | 3.5                    | 1.0                          | 4.1     | 5.3                          | -5.1                                           | 6.3                                    | 7.4                            | 21.4  |
|           | FEB.                    | 3.4 | 2.2                                       | 3.8                                          | -0.7                                                          | 4.5                                                                           | 7.1                                      | 2.6                                                                       | 0.6      | 7.6                   | -3.8                  | 13.4      | 2.9                    | 1.9                          | 3.7     | 5.6                          | -4.0                                           | 3.8                                    | 8.2                            | 18.0  |
|           | MAR.                    | 3.0 | 2.1                                       | 3.5                                          | -0.5                                                          | 3.4                                                                           | 7.8                                      | 3.0                                                                       | -0.9     | 6.9                   | -3.9                  | 12.5      | 2.2                    | 1.6                          | 2.9     | 5.5                          | -3.7                                           | 2.6                                    | 7.5                            | 13.1  |
|           | ABR.                    | 2.9 | 2.0                                       | 2.9                                          | 0.0                                                           | 3.0                                                                           | 7.7                                      | 3.2                                                                       | -1.9     | 6.9                   | -3.6                  | 12.3      | 2.2                    | 1.4                          | 2.6     | 5.4                          | -2.8                                           | 2.6                                    | 7.0                            | 11.1  |
|           | MAY.                    | 3.0 | 2.0                                       | 2.6                                          | 0.5                                                           | 2.9                                                                           | 7.6                                      | 3.6                                                                       | -3.2     | 7.2                   | -3.6                  | 12.7      | 2.3                    | 1.6                          | 2.5     | 5.5                          | -3.1                                           | 2.7                                    | 7.1                            | 10.5  |
|           | JUN.                    | 3.1 | 2.1                                       | 2.5                                          | 1.1                                                           | 2.8                                                                           | 7.4                                      | 3.7                                                                       | -4.0     | 7.3                   | -2.5                  | 12.2      | 2.3                    | 1.5                          | 2.5     | 5.2                          | -2.4                                           | 2.7                                    | 7.2                            | 10.3  |
|           | JUL.                    | 3.1 | 2.2                                       | 2.0                                          | 1.7                                                           | 2.6                                                                           | 7.1                                      | 3.7                                                                       | -4.2     | 7.2                   | -2.0                  | 11.8      | 2.3                    | 1.5                          | 2.4     | 5.2                          | -2.3                                           | 2.7                                    | 6.7                            | 11.1  |
| 2004      | AGO.                    | 2.9 | 2.1                                       | 1.5                                          | 1.9                                                           | 2.3                                                                           | 6.8                                      | 3.6                                                                       | -4.6     | 7.2                   | -1.3                  | 11.5      | 2.0                    | 0.8                          | 2.3     | 5.3                          | -1.9                                           | 2.0                                    | 6.6                            | 9.9   |
|           | SET.                    | 2.9 | 2.1                                       | 1.4                                          | 2.2                                                           | 2.0                                                                           | 6.7                                      | 3.6                                                                       | -5.0     | 7.3                   | -0.9                  | 11.3      | 2.0                    | 0.4                          | 2.2     | 5.2                          | -1.6                                           | 1.9                                    | 6.3                            | 9.1   |
|           | OCT.                    | 2.9 | 2.0                                       | 1.2                                          | 2.2                                                           | 1.7                                                                           | 6.5                                      | 3.6                                                                       | -5.5     | 7.1                   | -0.6                  | 10.9      | 2.1                    | 0.2                          | 2.2     | 5.1                          | -1.2                                           | 2.1                                    | 6.2                            | 7.8   |
|           | NOV.                    | 2.8 | 1.9                                       | 1.2                                          | 2.3                                                           | 1.3                                                                           | 6.4                                      | 3.5                                                                       | -6.0     | 6.9                   | -0.4                  | 10.5      | 2.2                    | 0.3                          | 1.9     | 5.0                          | -0.7                                           | 2.3                                    | 6.0                            | 7.6   |
|           | DIC.                    | 2.9 | 1.9                                       | 1.2                                          | 2.5                                                           | 1.0                                                                           | 6.4                                      | 3.6                                                                       | -6.1     | 6.8                   | -0.3                  | 10.3      | 2.3                    | 0.4                          | 1.8     | 4.9                          | -0.2                                           | 2.6                                    | 5.9                            | 7.6   |
|           | ENE.                    | 3.4 | 4.1                                       | 3.0                                          | 8.2                                                           | -5.4                                                                          | 5.7                                      | 3.9                                                                       | -4.1     | 4.7                   | -0.5                  | 6.9       | 2.2                    | -0.2                         | 2.3     | 6.8                          | 6.8                                            | -0.3                                   | 3.1                            | -9.4  |
|           | FEB.                    | 3.9 | 4.6                                       | 2.8                                          | 9.0                                                           | -3.7                                                                          | 6.2                                      | 3.8                                                                       | -3.6     | 2.9                   | -0.7                  | 4.4       | 3.6                    | 0.8                          | 2.3     | 5.0                          | 8.2                                            | 2.9                                    | 2.4                            | -7.2  |
|           | MAR.                    | 4.2 | 4.8                                       | 2.4                                          | 9.5                                                           | -2.1                                                                          | 5.6                                      | 3.7                                                                       | -3.5     | 2.8                   | -0.8                  | 4.3       | 4.2                    | 1.4                          | 2.6     | 4.0                          | 9.1                                            | 3.9                                    | 2.5                            | -7.9  |
|           | ABR.                    | 4.3 | 4.5                                       | 2.0                                          | 9.1                                                           | -2.0                                                                          | 5.0                                      | 3.6                                                                       | -3.2     | 2.6                   | -1.2                  | 4.2       | 4.7                    | 2.0                          | 2.8     | 3.9                          | 10.0                                           | 4.7                                    | 2.8                            | -7.6  |
|           | MAY.                    | 4.3 | 4.4                                       | 1.7                                          | 8.9                                                           | -1.9                                                                          | 4.6                                      | 3.5                                                                       | -3.0     | 2.5                   | -1.4                  | 4.2       | 5.1                    | 2.4                          | 2.9     | 3.8                          | 10.5                                           | 5.2                                    | 3.0                            | -7.4  |
|           | JUN.                    | 4.4 | 4.2                                       | 1.3                                          | 8.7                                                           | -2.0                                                                          | 4.4                                      | 3.4                                                                       | -2.6     | 2.4                   | -1.7                  | 4.1       | 5.3                    | 2.8                          | 3.2     | 3.9                          | 10.4                                           | 5.4                                    | 3.1                            | -7.8  |
|           | JUL.                    | 4.4 | 4.1                                       | 1.1                                          | 8.5                                                           | -1.8                                                                          | 4.3                                      | 3.5                                                                       | -2.5     | 2.3                   | -1.7                  | 3.9       | 5.5                    | 3.2                          | 3.3     | 4.2                          | 10.9                                           | 5.6                                    | 3.4                            | -8.8  |
| 2005      | AGO.                    | 4.5 | 4.1                                       | 0.8                                          | 8.5                                                           | -1.6                                                                          | 4.3                                      | 3.4                                                                       | -2.0     | 2.1                   | -2.3                  | 4.0       | 5.9                    | 3.7                          | 3.4     | 4.7                          | 11.2                                           | 6.3                                    | 3.3                            | -8.2  |
|           | SET.                    | 4.6 | 4.1                                       | 0.4                                          | 8.6                                                           | -1.4                                                                          | 4.3                                      | 3.3                                                                       | -1.8     | 2.0                   | -2.6                  | 4.0       | 6.1                    | 4.1                          | 3.6     | 5.4                          | 11.3                                           | 6.4                                    | 3.1                            | -7.3  |
|           | OCT.                    | 4.7 | 4.2                                       | 0.2                                          | 8.8                                                           | -1.3                                                                          | 4.4                                      | 3.2                                                                       | -1.6     | 2.1                   | -2.6                  | 4.1       | 6.3                    | 4.4                          | 3.8     | 6.2                          | 11.4                                           | 6.5                                    | 3.2                            | -6.2  |
|           | NOV.                    | 4.9 | 4.3                                       | 0.3                                          | 8.9                                                           | -1.4                                                                          | 4.5                                      | 3.3                                                                       | -1.4     | 2.4                   | -2.6                  | 4.5       | 6.4                    | 4.4                          | 4.1     | 6.8                          | 11.1                                           | 6.6                                    | 3.3                            | -5.7  |
|           | DIC.                    | 5.0 | 4.3                                       | 0.1                                          | 9.1                                                           | -1.4                                                                          | 4.5                                      | 3.3                                                                       | -1.3     | 2.8                   | -2.5                  | 5.0       | 6.4                    | 4.3                          | 4.4     | 7.5                          | 11.0                                           | 6.6                                    | 3.3                            | -5.6  |
|           | ENE.                    | 5.6 | 3.8                                       | -2.7                                         | 7.5                                                           | -0.3                                                                          | 6.2                                      | 4.2                                                                       | -0.3     | 5.2                   | -0.8                  | 7.9       | 7.4                    | 5.5                          | 7.3     | 11.3                         | 8.1                                            | 7.5                                    | 4.2                            | 11.0  |
|           | FEB.                    | 5.4 | 3.5                                       | -1.6                                         | 6.6                                                           | -0.6                                                                          | 5.6                                      | 4.6                                                                       | 0.7      | 6.8                   | 0.5                   | 9.7       | 6.7                    | 4.2                          | 7.7     | 12.3                         | 7.7                                            | 6.1                                    | 2.7                            | 9.3   |
|           | MAR.                    | 5.4 | 3.4                                       | -1.5                                         | 6.4                                                           | -3.1                                                                          | 5.6                                      | 4.7                                                                       | 1.1      | 6.9                   | 0.5                   | 9.7       | 6.6                    | 4.2                          | 8.2     | 14.0                         | 7.2                                            | 6.1                                    | 1.7                            | 9.1   |
|           | ABR.                    | 5.2 | 3.6                                       | -1.0                                         | 6.7                                                           | -3.0                                                                          | 5.7                                      | 4.8                                                                       | 0.8      | 6.9                   | 0.8                   | 9.7       | 6.7                    | 4.0                          | 7.7     | 14.5                         | 6.2                                            | 5.1                                    | 0.8                            | 8.5   |
|           | MAY.                    | 5.2 | 4.1                                       | -0.7                                         | 7.3                                                           | -2.4                                                                          | 5.7                                      | 5.1                                                                       | 1.2      | 6.9                   | 1.5                   | 9.3       | 5.5                    | 3.6                          | 7.7     | 14.7                         | 5.8                                            | 4.6                                    | 0.3                            | 8.0   |
|           | JUN.                    | 5.3 | 4.6                                       | 0.0                                          | 7.9                                                           | -1.6                                                                          | 5.7                                      | 5.2                                                                       | 1.4      | 7.0                   | 2.0                   | 9.2       | 5.3                    | 3.5                          | 7.5     | 14.6                         | 6.0                                            | 4.2                                    | 0.2                            | 7.5   |
|           | JUL.                    | 5.4 | 4.9                                       | 0.7                                          | 8.3                                                           | -1.5                                                                          | 5.7                                      | 5.2                                                                       | 1.7      | 7.1                   | 2.4                   | 9.2       | 5.2                    | 3.4                          | 7.6     | 14.5                         | 6.2                                            | 4.0                                    | -0.2                           | 7.6   |
| 2006      | AGO.                    | 5.4 | 5.1                                       | 1.4                                          | 8.5                                                           | -1.3                                                                          | 5.5                                      | 5.3                                                                       | 1.8      | 7.2                   | 2.7                   | 9.2       | 5.0                    | 3.7                          | 7.6     | 14.5                         | 6.4                                            | 3.2                                    | -0.4                           | 8.0   |
|           | SET.                    | 5.5 | 5.3                                       | 1.9                                          | 8.7                                                           | -1.0                                                                          | 5.4                                      | 5.4                                                                       | 2.0      | 7.4                   | 2.9                   | 9.3       | 4.9                    | 4.0                          | 7.4     | 14.6                         | 6.3                                            | 3.3                                    | -0.7                           | 7.8   |
|           | OCT.                    | 5.6 | 5.5                                       | 2.4                                          | 8.9                                                           | -0.6                                                                          | 5.2                                      | 5.4                                                                       | 1.9      | 7.5                   | 2.9                   | 9.5       | 4.8                    | 4.2                          | 7.2     | 15.1                         | 6.1                                            | 3.1                                    | -1.0                           | 6.9   |
|           | NOV.                    | 5.6 | 5.5                                       | 2.6                                          | 8.8                                                           | -0.1                                                                          | 5.1                                      | 5.3                                                                       | 1.8      | 7.5                   | 2.9                   | 9.5       | 4.9                    | 4.5                          | 7.1     | 16.0                         | 6.3                                            | 3.1                                    | -1.2                           | 6.6   |
|           | DIC.                    | 5.6 | 5.5                                       | 3.0                                          | 8.7                                                           | 0.5                                                                           | 5.0                                      | 5.3                                                                       | 1.8      | 7.4                   | 2.9                   | 9.3       | 5.0                    | 4.8                          | 7.1     | 17.5                         | 6.5                                            | 3.1                                    | -1.3                           | 6.6   |
|           | ENE.                    | 6.8 | 5.4                                       | 5.5                                          | 6.5                                                           | 5.6                                                                           | 4.4                                      | 5.6                                                                       | 1.5      | 8.0                   | 3.6                   | 9.7       | 7.5                    | 9.9                          | 7.1     | 35.0                         | 10.7                                           | 3.6                                    | -2.4                           | 9.4   |
|           | FEB.                    | 6.9 | 5.1                                       | 5.2                                          | 5.4                                                           | 7.0                                                                           | 5.0                                      | 5.5                                                                       | 1.5      | 7.4                   | 3.3                   | 9.0       | 8.5                    | 9.7                          | 6.8     | 35.2                         | 10.3                                           | 5.8                                    | 0.3                            | 9.0   |
|           | MAR.                    | 7.0 | 4.9                                       | 5.8                                          | 4.9                                                           | 6.9                                                                           | 5.0                                      | 5.7                                                                       | 0.8      | 7.8                   | 3.8                   | 9.5       | 8.6                    | 9.8                          | 7.3     | 33.1                         | 10.2                                           | 6.1                                    | 0.6                            | 10.9  |
|           | ABR.                    | 7.2 | 5.0                                       | 6.4                                          | 4.7                                                           | 6.3                                                                           | 5.3                                      | 6.0                                                                       | 1.3      | 8.3                   | 4.4                   | 9.9       | 8.9                    | 10.1                         | 7.2     | 33.7                         | 10.7                                           | 6.4                                    | 0.8                            | 12.8  |
|           | MAY.                    | 7.4 | 4.9                                       | 6.5                                          | 4.5                                                           | 5.4                                                                           | 5.5                                      | 6.1                                                                       | 1.3      | 8.9                   | 4.6                   | 10.7      | 9.2                    | 10.4                         | 7.4     | 35.1                         | 11.1                                           | 6.6                                    | 1.3                            | 15.1  |
|           | JUN.                    | 7.6 | 4.9                                       | 6.6                                          | 4.4                                                           | 4.9                                                                           | 5.8                                      | 6.5                                                                       | 1.7      | 9.3                   | 4.8                   | 11.2      | 9.3                    | 11.0                         | 7.4     | 36.6                         | 10.7                                           | 6.9                                    | 1.3                            | 16.8  |
|           | JUL.                    | 7.9 | 5.2                                       | 6.4                                          | 4.8                                                           | 5.0                                                                           | 6.3                                      | 7.0                                                                       | 2.1      | 9.9                   | 5.1                   | 11.8      | 9.5                    | 11.4                         | 7.5     | 38.4                         | 10.5                                           | 7.0                                    | 1.6                            | 16.7  |
| 2007      | AGO.                    | 8.2 | 5.6                                       | 6.5                                          | 5.3                                                           | 5.2                                                                           | 6.8                                      | 7.3                                                                       | 2.1      | 10.3                  | 5.5                   | 12.3      | 9.8                    | 11.6                         | 7.7     | 40.3                         | 10.4                                           | 7.5                                    | 1.7                            | 16.8  |
|           | SET.                    | 8.4 | 5.9                                       | 6.9                                          | 5.7                                                           | 5.5                                                                           | 7.3                                      | 7.6                                                                       | 2.1      | 10.6                  | 6.0                   | 12.5      | 9.9                    | 11.5                         | 8.0     | 41.4                         | 10.4                                           | 7.3                                    | 2.1                            | 16.7  |
|           | OCT.                    | 8.7 | 6.2                                       | 7.2                                          | 5.9                                                           | 5.6                                                                           | 7.6                                      | 7.8                                                                       | 2.2      | 10.9                  | 6.6                   | 12.7      | 10.2                   | 11.6                         | 8.4     | 42.0                         | 10.5                                           | 7.5                                    | 2.7                            | 17.2  |
|           | NOV.                    | 8.9 | 6.5                                       | 7.4                                          | 6.3                                                           | 6.0                                                                           | 7.9                                      | 8.1                                                                       | 2.1      | 11.1                  | 7.0                   | 12.8      | 10.3                   | 11.8                         | 8.7     | 41.6                         | 10.5                                           | 7.6                                    | 3.2                            | 17.6  |
|           | DIC.                    | 9.1 | 6.7                                       | 7.6                                          | 6.7                                                           | 6.0                                                                           | 8.0                                      | 8.3                                                                       | 2.1      | 11.2                  | 7.4                   | 12.8      | 10.4                   | 12.0                         | 8.9     | 40.3                         | 10.6                                           | 7.8                                    | 3.4                            | 17.9  |
|           |                         |     |                                           |                                              |                                                               |                                                                               |                                          |                                                                           |          |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |       |

[Volver al índice](#)

LIMA METROPOLITANA: VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019  
(Variación porcentual)

| AÑO Y MES | Industria manufacturera |       |                                           |                                              |                                                               |                                                                               |                                          |                                                                           | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |
|-----------|-------------------------|-------|-------------------------------------------|----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|
|           | Total                   | Total | Producción de alimentos, bebidas y tabaco | Textiles, confecciones e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |
| MAR.      | 11.1                    | 9.2   | 9.4                                       | 5.9                                          | 11.7                                                          | 6.4                                                                           | 16.7                                     | 23.6                                                                      | 14.0     | 9.3                   | 16.1                  | 11.7      | 18.8                   | 16.9                         | -11.4   | 25.5                         | 6.2                                            | -6.9                                   | 36.4                           |
| ABR.      | 11.4                    | 9.2   | 9.6                                       | 6.0                                          | 11.4                                                          | 6.5                                                                           | 16.6                                     | 23.4                                                                      | 14.5     | 9.6                   | 16.6                  | 12.2      | 18.8                   | 17.6                         | -10.0   | 24.9                         | 7.4                                            | -7.1                                   | 37.0                           |
| MAY.      | 11.7                    | 9.3   | 9.9                                       | 5.8                                          | 11.2                                                          | 6.6                                                                           | 16.4                                     | 23.8                                                                      | 15.0     | 9.7                   | 17.4                  | 12.6      | 18.2                   | 18.3                         | -9.1    | 25.0                         | 8.0                                            | -6.4                                   | 36.8                           |
| JUN.      | 11.8                    | 8.9   | 8.8                                       | 5.3                                          | 11.0                                                          | 6.9                                                                           | 16.7                                     | 23.8                                                                      | 15.6     | 10.0                  | 18.0                  | 12.8      | 17.5                   | 19.0                         | -8.5    | 24.7                         | 8.4                                            | -5.8                                   | 34.0                           |
| JUL.      | 11.7                    | 8.4   | 8.2                                       | 4.4                                          | 10.5                                                          | 7.3                                                                           | 16.7                                     | 22.7                                                                      | 15.9     | 10.1                  | 18.4                  | 12.9      | 17.3                   | 19.4                         | -8.3    | 23.7                         | 8.8                                            | -4.9                                   | 32.1                           |
| AGO.      | 11.4                    | 7.6   | 7.9                                       | 2.8                                          | 10.2                                                          | 7.6                                                                           | 16.8                                     | 21.7                                                                      | 15.8     | 10.3                  | 18.3                  | 12.9      | 17.1                   | 19.8                         | -8.2    | 22.4                         | 9.5                                            | -4.0                                   | 30.3                           |
| SET.      | 10.9                    | 6.8   | 7.7                                       | 1.0                                          | 9.7                                                           | 7.7                                                                           | 16.6                                     | 21.0                                                                      | 15.8     | 10.5                  | 18.2                  | 12.7      | 16.9                   | 20.2                         | -7.8    | 20.9                         | 9.5                                            | -3.3                                   | 27.6                           |
| OCT.      | 10.6                    | 6.0   | 7.5                                       | -0.5                                         | 9.4                                                           | 7.9                                                                           | 16.5                                     | 20.3                                                                      | 15.8     | 10.7                  | 18.1                  | 12.5      | 16.8                   | 20.5                         | -7.3    | 19.6                         | 9.6                                            | -2.6                                   | 25.8                           |
| NOV.      | 10.3                    | 5.4   | 7.5                                       | -1.9                                         | 9.4                                                           | 8.0                                                                           | 16.1                                     | 19.5                                                                      | 15.6     | 10.6                  | 17.8                  | 12.5      | 16.6                   | 20.9                         | -6.7    | 18.6                         | 9.7                                            | -1.9                                   | 24.5                           |
| DIC.      | 10.0                    | 4.7   | 7.3                                       | -3.2                                         | 9.5                                                           | 8.0                                                                           | 15.6                                     | 18.8                                                                      | 15.7     | 10.5                  | 17.9                  | 12.3      | 16.5                   | 21.3                         | -6.3    | 17.2                         | 9.9                                            | -1.4                                   | 23.5                           |
| 2009 ENE. | 5.5                     | -3.3  | 2.9                                       | -18.5                                        | 8.4                                                           | 8.9                                                                           | 8.2                                      | 11.5                                                                      | 14.5     | 8.6                   | 17.2                  | 9.2       | 10.2                   | 24.0                         | -3.4    | 4.2                          | 10.2                                           | 0.9                                    | 11.1                           |
| FEB.      | 4.8                     | -4.7  | 1.3                                       | -19.6                                        | 5.9                                                           | 8.1                                                                           | 6.8                                      | 7.4                                                                       | 13.9     | 9.5                   | 15.8                  | 9.2       | 12.9                   | 23.2                         | -4.8    | 3.1                          | 11.3                                           | -0.2                                   | 9.6                            |
| MAR.      | 3.9                     | -5.9  | 0.3                                       | -21.0                                        | 4.3                                                           | 7.4                                                                           | 5.6                                      | 5.8                                                                       | 12.5     | 9.5                   | 13.8                  | 8.7       | 12.3                   | 21.8                         | -5.7    | 1.7                          | 12.1                                           | 0.3                                    | 9.2                            |
| ABR.      | 3.2                     | -7.0  | -0.9                                      | -22.1                                        | 3.4                                                           | 6.6                                                                           | 4.7                                      | 3.9                                                                       | 11.4     | 9.2                   | 12.4                  | 9.4       | 11.7                   | 20.6                         | -6.2    | 1.0                          | 12.2                                           | 0.5                                    | 9.3                            |
| MAY.      | 2.5                     | -7.7  | -0.9                                      | -22.9                                        | 2.6                                                           | 6.0                                                                           | 3.9                                      | 1.8                                                                       | 10.5     | 8.8                   | 11.3                  | 7.8       | 11.8                   | 19.5                         | -6.2    | -0.1                         | 11.8                                           | 0.4                                    | 8.4                            |
| JUN.      | 2.1                     | -6.0  | -0.1                                      | -23.3                                        | 1.9                                                           | 5.5                                                                           | 2.8                                      | 0.6                                                                       | 9.8      | 8.2                   | 10.4                  | 7.4       | 11.8                   | 18.4                         | -6.5    | -0.8                         | 11.6                                           | 0.5                                    | 8.4                            |
| JUL.      | 1.8                     | -8.1  | 0.0                                       | -22.9                                        | 1.2                                                           | 5.0                                                                           | 1.7                                      | -0.4                                                                      | 9.1      | 7.9                   | 9.6                   | 7.0       | 11.4                   | 17.4                         | -6.6    | -1.4                         | 11.3                                           | 0.7                                    | 7.8                            |
| AGO.      | 1.6                     | -8.1  | 0.0                                       | -22.2                                        | 0.6                                                           | 4.4                                                                           | 0.8                                      | -1.4                                                                      | 8.8      | 7.5                   | 9.3                   | 6.6       | 11.2                   | 16.3                         | -6.6    | -1.7                         | 11.0                                           | 0.9                                    | 7.1                            |
| SET.      | 1.4                     | -8.0  | -0.1                                      | -21.3                                        | 0.3                                                           | 4.0                                                                           | 0.0                                      | -2.3                                                                      | 8.6      | 7.3                   | 9.1                   | 6.2       | 10.6                   | 15.3                         | -6.5    | -2.0                         | 10.7                                           | 1.2                                    | 7.2                            |
| OCT.      | 1.4                     | -7.8  | 0.0                                       | -20.5                                        | 0.0                                                           | 3.7                                                                           | -0.7                                     | -3.0                                                                      | 8.2      | 7.0                   | 8.8                   | 6.0       | 10.3                   | 14.3                         | -6.2    | -2.2                         | 10.4                                           | 1.3                                    | 8.0                            |
| NOV.      | 1.3                     | -7.6  | 0.0                                       | -19.9                                        | -0.5                                                          | 3.4                                                                           | -1.2                                     | -3.5                                                                      | 7.9      | 6.9                   | 8.4                   | 5.7       | 9.6                    | 13.2                         | -6.0    | -2.2                         | 10.2                                           | 1.4                                    | 7.7                            |
| DIC.      | 1.2                     | -7.4  | -0.1                                      | -19.1                                        | -0.8                                                          | 3.1                                                                           | -1.4                                     | -3.7                                                                      | 7.4      | 6.8                   | 7.6                   | 5.6       | 8.9                    | 12.2                         | -5.6    | -2.0                         | 10.1                                           | 1.6                                    | 7.7                            |
| 2010 ENE. | 1.8                     | -2.1  | 4.0                                       | -7.3                                         | -1.9                                                          | 3.8                                                                           | -1.8                                     | -1.8                                                                      | 3.3      | 7.8                   | 1.4                   | 4.2       | 10.9                   | 1.7                          | 0.0     | 0.5                          | 7.0                                            | 6.9                                    | 4.0                            |
| FEB.      | 2.1                     | -0.9  | 2.8                                       | -4.6                                         | -0.9                                                          | 1.3                                                                           | -0.5                                     | 0.3                                                                       | 2.8      | 6.4                   | 1.3                   | 4.2       | 9.5                    | 0.9                          | 1.9     | 2.2                          | 5.7                                            | 7.3                                    | 2.6                            |
| MAR.      | 2.6                     | 0.2   | 1.6                                       | -2.0                                         | 0.3                                                           | 1.6                                                                           | 0.6                                      | 1.6                                                                       | 2.9      | 5.5                   | 1.7                   | 4.4       | 10.4                   | 0.3                          | 3.7     | 4.1                          | 4.5                                            | 7.5                                    | 1.2                            |
| ABR.      | 3.2                     | 1.2   | 1.7                                       | -0.4                                         | 1.2                                                           | 2.4                                                                           | 1.6                                      | 3.2                                                                       | 3.1      | 5.4                   | 2.1                   | 4.7       | 10.6                   | 0.1                          | 4.5     | 5.6                          | 4.3                                            | 7.6                                    | 1.2                            |
| MAY.      | 3.8                     | 2.0   | 0.9                                       | 1.2                                          | 1.8                                                           | 3.0                                                                           | 2.6                                      | 4.9                                                                       | 3.6      | 5.4                   | 2.8                   | 5.1       | 10.9                   | 0.0                          | 4.9     | 6.9                          | 4.4                                            | 7.5                                    | 1.7                            |
| JUN.      | 4.3                     | 2.8   | 0.9                                       | 2.7                                          | 2.5                                                           | 3.5                                                                           | 3.6                                      | 5.5                                                                       | 4.1      | 5.5                   | 3.5                   | 5.5       | 11.2                   | -0.1                         | 5.4     | 7.9                          | 4.6                                            | 7.3                                    | 1.2                            |
| JUL.      | 4.8                     | 3.5   | 1.6                                       | 3.4                                          | 3.2                                                           | 4.0                                                                           | 4.5                                      | 6.3                                                                       | 4.6      | 5.9                   | 3.9                   | 5.7       | 11.6                   | 0.0                          | 5.5     | 8.5                          | 4.9                                            | 7.1                                    | 1.2                            |
| AGO.      | 5.1                     | 4.1   | 1.9                                       | 3.9                                          | 3.8                                                           | 4.5                                                                           | 5.4                                      | 7.4                                                                       | 5.1      | 6.6                   | 4.4                   | 5.8       | 11.9                   | 0.1                          | 5.6     | 8.6                          | 4.9                                            | 6.9                                    | 0.8                            |
| SET.      | 5.4                     | 4.6   | 2.3                                       | 4.4                                          | 4.2                                                           | 5.1                                                                           | 6.1                                      | 8.2                                                                       | 5.6      | 7.1                   | 4.9                   | 5.9       | 12.1                   | 0.2                          | 5.5     | 8.7                          | 5.0                                            | 6.9                                    | -0.3                           |
| OCT.      | 5.7                     | 5.1   | 2.5                                       | 4.7                                          | 4.6                                                           | 5.6                                                                           | 6.7                                      | 9.4                                                                       | 6.2      | 7.6                   | 5.5                   | 5.9       | 12.3                   | 0.3                          | 5.5     | 8.8                          | 5.0                                            | 6.9                                    | -1.2                           |
| NOV.      | 6.0                     | 5.5   | 2.6                                       | 5.0                                          | 5.3                                                           | 6.2                                                                           | 7.3                                      | 10.3                                                                      | 6.7      | 8.0                   | 6.1                   | 6.0       | 12.7                   | 0.4                          | 5.6     | 8.9                          | 5.0                                            | 7.0                                    | -1.3                           |
| DIC.      | 6.2                     | 5.9   | 2.9                                       | 5.3                                          | 5.9                                                           | 6.7                                                                           | 7.7                                      | 10.9                                                                      | 7.2      | 8.6                   | 6.6                   | 6.0       | 12.9                   | 0.6                          | 5.7     | 8.9                          | 4.9                                            | 7.0                                    | -1.5                           |
| 2011 ENE. | 8.0                     | 8.5   | 1.3                                       | 8.0                                          | 10.4                                                          | 10.2                                                                          | 13.0                                     | 15.2                                                                      | 11.6     | 12.9                  | 11.0                  | 6.1       | 6.8                    | 3.4                          | 6.2     | 8.3                          | 5.9                                            | 5.8                                    | -10.8                          |
| FEB.      | 8.3                     | 8.9   | 2.9                                       | 7.8                                          | 10.7                                                          | 10.3                                                                          | 13.4                                     | 16.2                                                                      | 12.1     | 12.8                  | 11.7                  | 6.2       | 7.1                    | 4.1                          | 6.1     | 8.0                          | 6.3                                            | 5.0                                    | -10.1                          |
| MAR.      | 8.3                     | 8.9   | 3.9                                       | 7.3                                          | 9.6                                                           | 10.3                                                                          | 13.4                                     | 15.6                                                                      | 12.4     | 12.9                  | 12.1                  | 6.3       | 6.7                    | 4.3                          | 5.7     | 7.7                          | 7.0                                            | 4.6                                    | -9.8                           |
| ABR.      | 8.4                     | 9.0   | 5.2                                       | 7.4                                          | 8.6                                                           | 10.0                                                                          | 13.3                                     | 15.3                                                                      | 12.6     | 12.8                  | 12.4                  | 6.4       | 7.0                    | 4.5                          | 6.0     | 7.8                          | 7.0                                            | 4.5                                    | -9.9                           |
| MAY.      | 8.4                     | 8.9   | 6.4                                       | 6.9                                          | 8.2                                                           | 9.8                                                                           | 13.2                                     | 15.0                                                                      | 12.4     | 12.9                  | 12.2                  | 6.4       | 7.5                    | 4.7                          | 6.4     | 7.7                          | 6.7                                            | 4.8                                    | -9.3                           |
| JUN.      | 8.2                     | 8.7   | 6.3                                       | 6.5                                          | 7.7                                                           | 9.7                                                                           | 12.8                                     | 15.1                                                                      | 12.2     | 13.0                  | 11.8                  | 6.4       | 8.0                    | 4.8                          | 6.7     | 7.6                          | 6.4                                            | 5.2                                    | -9.1                           |
| JUL.      | 8.1                     | 8.4   | 6.4                                       | 5.8                                          | 7.3                                                           | 9.6                                                                           | 12.3                                     | 15.2                                                                      | 12.0     | 12.6                  | 11.6                  | 6.4       | 8.5                    | 5.0                          | 7.3     | 7.6                          | 6.2                                            | 5.5                                    | -8.9                           |
| AGO.      | 8.0                     | 8.1   | 7.0                                       | 5.0                                          | 7.0                                                           | 9.3                                                                           | 11.6                                     | 15.1                                                                      | 11.6     | 11.9                  | 11.4                  | 6.6       | 8.9                    | 5.2                          | 7.9     | 7.9                          | 6.1                                            | 5.5                                    | -8.8                           |
| SET.      | 7.8                     | 7.7   | 7.4                                       | 3.8                                          | 7.1                                                           | 9.0                                                                           | 11.4                                     | 15.0                                                                      | 11.1     | 11.3                  | 11.0                  | 6.7       | 9.2                    | 5.4                          | 8.3     | 8.0                          | 6.0                                            | 5.7                                    | -8.2                           |
| OCT.      | 7.7                     | 7.3   | 7.7                                       | 2.8                                          | 7.2                                                           | 8.6                                                                           | 11.1                                     | 14.7                                                                      | 10.6     | 10.8                  | 10.4                  | 6.8       | 9.4                    | 5.6                          | 8.6     | 8.0                          | 6.0                                            | 5.7                                    | -7.8                           |
| NOV.      | 7.5                     | 6.8   | 7.7                                       | 1.9                                          | 6.9                                                           | 8.2                                                                           | 10.6                                     | 14.4                                                                      | 10.2     | 10.4                  | 10.1                  | 6.8       | 10.1                   | 5.9                          | 8.8     | 8.0                          | 6.0                                            | 5.6                                    | -7.5                           |
| DIC.      | 7.3                     | 6.4   | 7.6                                       | 1.0                                          | 6.4                                                           | 7.9                                                                           | 10.3                                     | 14.1                                                                      | 9.8      | 10.0                  | 9.7                   | 6.9       | 10.4                   | 6.2                          | 9.0     | 7.8                          | 5.9                                            | 5.6                                    | -7.5                           |
| 2012 ENE. | 4.4                     | 1.1   | 6.3                                       | -9.0                                         | 0.2                                                           | 4.8                                                                           | 6.0                                      | 10.9                                                                      | 2.4      | 5.3                   | 1.2                   | 7.7       | 13.2                   | 8.2                          | 11.2    | 6.8                          | 7.2                                            | 5.6                                    | -0.3                           |
| FEB.      | 4.2                     | 0.6   | 6.8                                       | -9.7                                         | -1.1                                                          | 4.8                                                                           | 6.1                                      | 8.9                                                                       | 2.9      | 5.4                   | 1.8                   | 7.3       | 11.9                   | 7.9                          | 12.0    | 6.1                          | 7.0                                            | 5.5                                    | -0.2                           |
| MAR.      | 4.0                     | 0.3   | 6.9                                       | -10.1                                        | -1.3                                                          | 4.6                                                                           | 6.1                                      | 7.8                                                                       | 3.1      | 5.4                   | 2.1                   | 7.0       | 11.4                   | 8.3                          | 12.4    | 5.9                          | 6.2                                            | 5.4                                    | 0.7                            |
| ABR.      | 3.7                     | -0.2  | 5.9                                       | -10.6                                        | -0.8                                                          | 4.7                                                                           | 5.9                                      | 7.0                                                                       | 3.2      | 5.2                   | 2.3                   | 6.7       | 11.4                   | 8.4                          | 12.6    | 5.3                          | 5.8                                            | 5.3                                    | 0.6                            |
| MAY.      | 3.7                     | -0.4  | 5.3                                       | -10.8                                        | -0.5                                                          | 4.5                                                                           | 5.9                                      | 6.3                                                                       | 3.5      | 4.9                   | 2.9                   | 6.6       | 11.0                   | 8.4                          | 12.5    | 5.2                          | 5.9                                            | 5.0                                    | 0.2                            |
| JUN.      | 3.7                     | -0.4  | 5.3                                       | -10.9                                        | -0.1                                                          | 4.4                                                                           | 6.2                                      | 6.2                                                                       | 3.5      | 4.6                   | 3.0                   | 6.6       | 10.7                   | 8.6                          | 12.4    | 5.3                          | 5.8                                            | 4.6                                    | 1.4                            |

LIMA METROPOLITANA: VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019  
(Variación porcentual)

| AÑO Y MES | Industria manufacturera |      |                                           |                                              |                                                               |                                                                               |                                          |                                                                           | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |       |
|-----------|-------------------------|------|-------------------------------------------|----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|-------|
|           | Total                   |      | Producción de alimentos, bebidas y tabaco | Textiles, confecciones e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |       |
| 2013      | JUL.                    | 3.7  | -0.3                                      | 5.3                                          | -10.6                                                         | 0.3                                                                           | 4.3                                      | 6.6                                                                       | 6.1      | 3.6                   | 4.6                   | 3.2       | 6.5                    | 10.3                         | 9.1     | 12.2                         | 5.0                                            | 5.7                                    | 4.4                            | 1.9   |
|           | AGO.                    | 3.8  | -0.1                                      | 5.1                                          | -10.2                                                         | 0.4                                                                           | 4.3                                      | 6.9                                                                       | 6.1      | 3.7                   | 4.6                   | 3.4       | 6.5                    | 10.1                         | 9.5     | 12.0                         | 5.0                                            | 5.7                                    | 4.2                            | 2.8   |
|           | SET.                    | 4.0  | 0.1                                       | 5.0                                          | -9.7                                                          | 0.2                                                                           | 4.3                                      | 7.0                                                                       | 6.2      | 3.9                   | 4.5                   | 3.6       | 6.6                    | 10.2                         | 9.9     | 11.6                         | 5.1                                            | 5.8                                    | 4.0                            | 3.1   |
|           | OCT.                    | 4.1  | 0.3                                       | 4.8                                          | -9.0                                                          | -0.1                                                                          | 4.4                                      | 7.2                                                                       | 6.1      | 4.0                   | 4.4                   | 3.9       | 6.6                    | 10.1                         | 10.2    | 11.2                         | 5.0                                            | 5.8                                    | 3.9                            | 3.3   |
|           | NOV.                    | 4.1  | 0.5                                       | 4.7                                          | -8.4                                                          | -0.2                                                                          | 4.4                                      | 7.4                                                                       | 6.0      | 4.0                   | 4.2                   | 3.9       | 6.6                    | 9.9                          | 10.5    | 10.9                         | 5.0                                            | 5.8                                    | 3.8                            | 3.9   |
|           | DIC.                    | 4.3  | 0.6                                       | 4.5                                          | -7.8                                                          | -0.1                                                                          | 4.5                                      | 7.5                                                                       | 5.8      | 4.2                   | 4.1                   | 4.3       | 6.7                    | 10.0                         | 10.6    | 10.6                         | 5.0                                            | 5.8                                    | 3.7                            | 4.5   |
|           | ENE.                    | 5.7  | 2.7                                       | 4.5                                          | -0.5                                                          | 1.4                                                                           | 4.2                                      | 8.2                                                                       | 2.1      | 7.4                   | 3.4                   | 9.1       | 6.9                    | 10.9                         | 12.4    | 8.3                          | 5.1                                            | 5.2                                    | 3.2                            | 14.3  |
|           | FEB.                    | 5.8  | 3.2                                       | 4.2                                          | 0.5                                                           | 2.6                                                                           | 4.2                                      | 8.2                                                                       | 3.3      | 7.6                   | 3.3                   | 9.5       | 6.7                    | 11.8                         | 12.4    | 6.6                          | 4.3                                            | 5.6                                    | 2.8                            | 12.0  |
|           | MAR.                    | 6.0  | 3.5                                       | 4.4                                          | 0.6                                                           | 3.4                                                                           | 4.0                                      | 8.4                                                                       | 4.0      | 7.8                   | 3.4                   | 9.7       | 6.9                    | 11.3                         | 12.2    | 5.8                          | 4.3                                            | 6.5                                    | 2.8                            | 10.3  |
|           | ABR.                    | 6.0  | 3.7                                       | 4.9                                          | 0.6                                                           | 3.9                                                                           | 4.0                                      | 8.5                                                                       | 4.5      | 7.8                   | 3.6                   | 9.7       | 6.8                    | 10.9                         | 12.1    | 5.1                          | 4.4                                            | 6.5                                    | 2.9                            | 9.2   |
|           | MAY.                    | 5.9  | 3.7                                       | 4.9                                          | 0.1                                                           | 4.0                                                                           | 4.1                                      | 8.5                                                                       | 5.3      | 7.6                   | 3.8                   | 9.3       | 6.7                    | 10.4                         | 11.9    | 4.8                          | 4.5                                            | 6.2                                    | 3.0                            | 8.2   |
|           | JUN.                    | 5.7  | 3.4                                       | 4.8                                          | -0.7                                                          | 4.0                                                                           | 4.0                                      | 8.3                                                                       | 5.4      | 7.6                   | 4.0                   | 9.1       | 6.4                    | 10.0                         | 11.5    | 4.5                          | 4.2                                            | 6.1                                    | 3.0                            | 6.6   |
| 2014      | JUL.                    | 5.5  | 3.2                                       | 4.8                                          | -1.3                                                          | 4.0                                                                           | 4.0                                      | 8.1                                                                       | 5.1      | 7.5                   | 4.1                   | 9.0       | 6.2                    | 9.8                          | 10.7    | 4.2                          | 4.3                                            | 5.8                                    | 2.8                            | 4.9   |
|           | AGO.                    | 5.4  | 3.0                                       | 4.8                                          | -1.9                                                          | 4.2                                                                           | 3.9                                      | 8.2                                                                       | 4.8      | 7.4                   | 4.1                   | 8.9       | 6.1                    | 9.4                          | 10.1    | 4.1                          | 4.1                                            | 6.1                                    | 2.7                            | 3.2   |
|           | SET.                    | 5.1  | 2.8                                       | 5.0                                          | -2.4                                                          | 4.3                                                                           | 3.7                                      | 8.2                                                                       | 4.3      | 7.3                   | 4.1                   | 8.7       | 5.7                    | 8.9                          | 9.5     | 4.2                          | 3.8                                            | 5.8                                    | 2.5                            | 2.2   |
|           | OCT.                    | 5.0  | 2.6                                       | 5.1                                          | -2.8                                                          | 4.5                                                                           | 3.6                                      | 8.1                                                                       | 4.0      | 7.2                   | 4.1                   | 8.6       | 5.6                    | 8.5                          | 8.9     | 4.5                          | 3.6                                            | 5.9                                    | 2.4                            | 0.9   |
|           | NOV.                    | 4.9  | 2.6                                       | 5.4                                          | -3.1                                                          | 4.6                                                                           | 3.5                                      | 8.0                                                                       | 3.8      | 7.2                   | 4.3                   | 8.5       | 5.4                    | 8.1                          | 8.3     | 4.6                          | 3.4                                            | 6.0                                    | 2.2                            | -0.2  |
|           | DIC.                    | 4.7  | 2.5                                       | 5.4                                          | -3.5                                                          | 4.6                                                                           | 3.4                                      | 8.1                                                                       | 3.6      | 7.1                   | 4.3                   | 8.3       | 5.2                    | 7.7                          | 7.8     | 4.7                          | 3.3                                            | 5.9                                    | 2.0                            | -1.2  |
|           | ENE.                    | 3.1  | 0.7                                       | 5.9                                          | -9.3                                                          | 5.3                                                                           | 1.8                                      | 8.4                                                                       | 3.2      | 6.2                   | 3.4                   | 7.4       | 3.3                    | 2.0                          | 1.7     | 1.4                          | 3.2                                            | 6.2                                    | -0.9                           | -9.4  |
|           | FEB.                    | 2.9  | 0.2                                       | 5.2                                          | -9.0                                                          | 4.7                                                                           | 1.5                                      | 6.5                                                                       | 2.2      | 5.5                   | 3.8                   | 6.2       | 3.5                    | 2.0                          | 1.3     | 2.1                          | 3.6                                            | 6.3                                    | -0.1                           | -7.7  |
|           | MAR.                    | 2.7  | 0.0                                       | 4.8                                          | -8.8                                                          | 4.0                                                                           | 1.8                                      | 5.1                                                                       | 1.7      | 5.2                   | 3.8                   | 5.8       | 3.3                    | 2.5                          | 0.9     | 2.1                          | 3.2                                            | 6.2                                    | 0.2                            | -7.5  |
|           | ABR.                    | 2.7  | -0.3                                      | 4.5                                          | -8.9                                                          | 3.5                                                                           | 1.9                                      | 4.3                                                                       | 1.2      | 5.2                   | 3.8                   | 5.8       | 3.5                    | 2.9                          | 0.8     | 1.8                          | 3.1                                            | 6.7                                    | 0.1                            | -7.4  |
|           | MAY.                    | 2.7  | -0.3                                      | 4.7                                          | -8.7                                                          | 3.5                                                                           | 2.1                                      | 3.6                                                                       | 0.3      | 5.0                   | 3.6                   | 5.5       | 3.3                    | 3.0                          | 0.6     | 1.5                          | 3.0                                            | 7.0                                    | 0.3                            | -6.8  |
|           | JUN.                    | 2.7  | -0.3                                      | 4.7                                          | -8.4                                                          | 3.4                                                                           | 2.4                                      | 3.0                                                                       | -0.3     | 4.8                   | 3.4                   | 5.4       | 3.8                    | 3.8                          | 0.6     | 1.4                          | 3.2                                            | 7.1                                    | 0.3                            | -6.2  |
| 2015      | JUL.                    | 2.8  | -0.4                                      | 4.3                                          | -8.2                                                          | 3.4                                                                           | 2.4                                      | 2.7                                                                       | -0.9     | 4.8                   | 3.1                   | 5.5       | 3.9                    | 4.1                          | 0.6     | 1.2                          | 3.5                                            | 7.1                                    | 0.6                            | -5.4  |
|           | AGO.                    | 2.8  | -0.6                                      | 3.9                                          | -8.2                                                          | 3.3                                                                           | 2.5                                      | 2.1                                                                       | -1.3     | 4.7                   | 2.9                   | 5.4       | 4.0                    | 4.3                          | 0.6     | 0.8                          | 3.8                                            | 7.1                                    | 0.6                            | -4.9  |
|           | SET.                    | 2.8  | -0.6                                      | 3.6                                          | -8.2                                                          | 3.3                                                                           | 2.5                                      | 1.8                                                                       | -1.4     | 4.6                   | 2.6                   | 5.4       | 4.2                    | 4.4                          | 0.7     | 0.5                          | 4.1                                            | 7.4                                    | 0.6                            | -4.6  |
|           | OCT.                    | 2.8  | -0.7                                      | 3.5                                          | -8.2                                                          | 3.2                                                                           | 2.5                                      | 1.5                                                                       | -1.6     | 4.4                   | 2.3                   | 5.3       | 4.3                    | 4.5                          | 0.8     | 0.0                          | 4.3                                            | 7.3                                    | 0.6                            | -4.0  |
|           | NOV.                    | 2.8  | -0.8                                      | 3.3                                          | -8.2                                                          | 3.0                                                                           | 2.5                                      | 1.3                                                                       | -1.6     | 4.2                   | 2.0                   | 5.1       | 4.0                    | 4.5                          | 1.0     | -0.3                         | 4.6                                            | 7.3                                    | 0.7                            | -3.5  |
|           | DIC.                    | 2.8  | -0.8                                      | 3.1                                          | -8.2                                                          | 2.8                                                                           | 2.5                                      | 1.0                                                                       | -1.5     | 3.9                   | 1.7                   | 4.9       | 4.5                    | 4.7                          | 1.1     | -0.4                         | 4.9                                            | 7.3                                    | 0.7                            | -3.1  |
|           | ENE.                    | 2.0  | -1.4                                      | -0.2                                         | -6.5                                                          | -0.3                                                                          | 2.4                                      | -2.0                                                                      | -0.8     | 1.8                   | -0.7                  | 2.8       | 4.2                    | 5.8                          | 2.4     | 0.2                          | 5.2                                            | 5.0                                    | 0.3                            | -0.1  |
|           | FEB.                    | 2.0  | -1.3                                      | 0.5                                          | -6.9                                                          | -0.6                                                                          | 2.4                                      | -1.0                                                                      | -0.2     | 1.8                   | -1.6                  | 3.2       | 4.1                    | 5.0                          | 2.7     | 0.6                          | 5.2                                            | 4.6                                    | 1.2                            | -0.6  |
|           | MAR.                    | 2.0  | -1.2                                      | 0.5                                          | -7.0                                                          | -0.1                                                                          | 2.5                                      | -0.1                                                                      | -0.6     | 1.6                   | -2.0                  | 3.1       | 4.2                    | 6.2                          | 2.9     | 0.6                          | 5.1                                            | 4.7                                    | 1.6                            | -0.1  |
|           | ABR.                    | 1.9  | -1.2                                      | 0.5                                          | -6.5                                                          | 0.3                                                                           | 2.2                                      | 0.1                                                                       | -1.5     | 1.5                   | -2.1                  | 3.0       | 4.0                    | 6.1                          | 3.0     | 0.9                          | 4.8                                            | 4.1                                    | 2.0                            | 0.1   |
|           | MAY.                    | 1.9  | -1.2                                      | 0.2                                          | -6.0                                                          | 0.6                                                                           | 1.8                                      | 0.2                                                                       | -2.0     | 1.6                   | -2.1                  | 3.2       | 3.9                    | 5.7                          | 3.0     | 1.1                          | 4.5                                            | 4.2                                    | 2.1                            | -0.4  |
|           | JUN.                    | 1.8  | -1.4                                      | -0.2                                         | -5.6                                                          | 0.6                                                                           | 1.3                                      | 0.2                                                                       | -2.6     | 1.7                   | -2.0                  | 3.2       | 3.8                    | 5.4                          | 3.2     | 1.3                          | 4.1                                            | 4.2                                    | 2.3                            | -1.9  |
| 2016      | JUL.                    | 1.7  | -1.5                                      | -0.3                                         | -5.5                                                          | 0.6                                                                           | 1.0                                      | 0.2                                                                       | -3.0     | 1.5                   | -1.9                  | 3.0       | 3.7                    | 4.9                          | 3.2     | 1.6                          | 3.7                                            | 4.3                                    | 2.3                            | -4.0  |
|           | AGO.                    | 1.6  | -1.6                                      | -0.4                                         | -5.3                                                          | 0.5                                                                           | 0.8                                      | 0.2                                                                       | -3.5     | 1.5                   | -1.7                  | 2.9       | 3.6                    | 4.6                          | 3.2     | 1.8                          | 3.4                                            | 4.4                                    | 2.5                            | -5.6  |
|           | SET.                    | 1.5  | -1.7                                      | -0.6                                         | -5.1                                                          | 0.7                                                                           | 0.7                                      | 0.1                                                                       | -3.9     | 1.5                   | -1.5                  | 2.7       | 3.4                    | 4.4                          | 3.1     | 2.0                          | 3.1                                            | 4.3                                    | 2.6                            | -7.3  |
|           | OCT.                    | 1.5  | -1.8                                      | -0.7                                         | -5.0                                                          | 1.0                                                                           | 0.5                                      | 0.0                                                                       | -4.4     | 1.4                   | -1.3                  | 2.6       | 3.4                    | 4.1                          | 2.9     | 2.2                          | 3.0                                            | 4.4                                    | 2.7                            | -8.6  |
|           | NOV.                    | 1.4  | -1.8                                      | -0.8                                         | -4.9                                                          | 1.2                                                                           | 0.4                                      | -0.1                                                                      | -4.9     | 1.5                   | -1.1                  | 2.6       | 3.2                    | 3.7                          | 2.8     | 2.3                          | 2.8                                            | 4.2                                    | 2.7                            | -9.6  |
|           | DIC.                    | 1.2  | -1.9                                      | -0.7                                         | -4.8                                                          | 1.2                                                                           | 0.2                                      | -0.2                                                                      | -5.4     | 1.4                   | -1.0                  | 2.4       | 3.0                    | 3.3                          | 2.7     | 2.5                          | 2.4                                            | 4.1                                    | 2.8                            | -10.6 |
|           | ENE.                    | 0.6  | -2.4                                      | 1.7                                          | -3.6                                                          | 3.4                                                                           | -2.0                                     | -1.9                                                                      | -1.15    | 0.8                   | -0.2                  | 1.3       | 2.1                    | 1.4                          | 1.0     | 4.2                          | -1.1                                           | 6.1                                    | 4.5                            | -21.3 |
|           | FEB.                    | 0.5  | -2.4                                      | 2.1                                          | -4.2                                                          | 4.7                                                                           | -2.0                                     | -2.7                                                                      | -1.18    | 0.7                   | 0.1                   | 1.0       | 2.2                    | 1.3                          | 1.1     | 3.5                          | -1.2                                           | 6.8                                    | 2.9                            | -22.1 |
|           | MAR.                    | 0.6  | -2.3                                      | 2.2                                          | -4.2                                                          | 4.8                                                                           | -1.7                                     | -3.1                                                                      | -10.9    | 1.0                   | 0.2                   | 1.3       | 2.1                    | 0.0                          | 0.8     | 3.3                          | -1.2                                           | 7.1                                    | 2.5                            | -22.3 |
|           | ABR.                    | 0.5  | -2.1                                      | 2.3                                          | -4.6                                                          | 5.1                                                                           | -1.5                                     | -3.5                                                                      | -9.4     | 0.9                   | 0.4                   | 1.2       | 1.7                    | -0.2                         | 0.5     | 2.9                          | -1.1                                           | 6.1                                    | 2.2                            | -22.6 |
|           | MAY.                    | 0.4  | -2.1                                      | 2.1                                          | -4.9                                                          | 4.2                                                                           | -1.3                                     | -4.0                                                                      | -8.6     | 0.9                   | 0.5                   | 1.1       | 1.6                    | -0.2                         | 0.4     | 2.5                          | -0.8                                           | 5.4                                    | 2.1                            | -22.6 |
|           | JUN.                    | 0.4  | -2.1                                      | 2.1                                          | -5.1                                                          | 3.6                                                                           | -0.8                                     | -4.4                                                                      | -8.0     | 1.0                   | 0.6                   | 1.2       | 1.5                    | 0.2                          | 0.2     | 2.0                          | -0.7                                           | 5.0                                    | 2.0                            | -21.8 |
| 2017      | JUL.                    | 0.4  | -2.1                                      | 1.9                                          | -5.2                                                          | 3.2                                                                           | -0.5                                     | -4.7                                                                      | -7.3     | 1.0                   | 0.7                   | 1.2       | 1.6                    | 0.6                          | 0.1     | 1.8                          | -0.4                                           | 4.8                                    | 2.0                            | -20.5 |
|           | AGO.                    | 0.5  | -1.9                                      | 2.3                                          | -5.2                                                          | 2.8                                                                           | -0.2                                     | -5.1                                                                      | -6.5     | 1.0                   | 0.6                   | 1.1       | 1.7                    | 1.1                          | 0.1     | 1.5                          | -0.4                                           | 4.8                                    | 1.9                            | -19.3 |
|           | SET.                    | 0.6  | -1.8                                      | 2.6                                          | -5.1                                                          | 2.1                                                                           | 0.0                                      | -5.4                                                                      | -6.0     | 1.0                   | 0.5                   | 1.2       | 1.8                    | 1.6                          | 0.3     | 1.3                          | -0.5                                           | 5.0                                    | 1.9                            | -17.9 |
|           | OCT.                    | 0.6  | -1.6                                      | 2.8                                          | -4.9                                                          | 1.4                                                                           | 0.3                                      | -5.7                                                                      | -5.4     | 1.0                   | 0.5                   | 1.3       | 1.6                    | 1.7                          | 0.5     | 1.1                          | -0.6                                           | 4.6                                    | 1.9                            | -17.1 |
|           | NOV.                    | 0.6  | -1.5                                      | 2.8                                          | -4.8                                                          | 1.0                                                                           | 0.5                                      | -5.9                                                                      | -4.9     | 1.1                   | 0.4                   | 1.4       | 1.7                    | 1.8                          | 0.7     | 1.0                          | -0.7                                           | 4.6                                    | 1.8                            | -16.3 |
|           | DIC.                    | 0.7  | -1.5                                      | 2.7                                          | -4.7                                                          | 0.8                                                                           | 0.7                                      | -6.1                                                                      | -4.5     | 1.3                   | 0.6                   | 1.6       | 1.6                    | 1.8                          | 1.0     | 0.9                          | -0.9                                           | 4.5                                    | 1.9                            | -15.8 |
|           | ENE.                    | 1.0  | -1.1                                      | 1.4                                          | -4.8                                                          | -3.1                                                                          | 3.3                                      | -7.1                                                                      | -0.4     | 2.6                   | 3.8                   | 2.2       | 1.5                    | 1.6                          | 3.1     | -0.8                         | -1.8                                           | 4.4                                    | 0.8                            | -8.0  |
|           | FEB.                    | 1.0  | -0.9                                      | 0.8                                          | -3.9                                                          | -3.8                                                                          | 3.6                                      | -6.5                                                                      | 0.0      | 2.1                   | 3.8                   | 1.4       | 1.6                    | 2.4                          | 3.2     | -0.7                         | -1.3                                           | 3.6                                    | 2.0                            | -8.2  |
|           | MAR.                    | 0.8  | -1.3                                      | -0.1                                         | -4.0                                                          | -4.1                                                                          | 3.4                                      | -6.4                                                                      | -0.3     | 1.8                   | 3.9                   | 0.9       | 1.5                    | 2.3                          | 3.4     | -0.7                         | -1.1                                           | 2.8                                    | 2.1                            | -8.8  |
|           | ABR.                    | 0.8  | -1.6                                      | -0.9                                         | -3.9                                                          | -4.5                                                                          | 3.1                                      | -6.1                                                                      | -1.2     | 1.7                   | 3.7                   | 0.8       | 1.7                    | 2.6                          | 3.7     | -0.4                         | -0.3                                           | 2.8                                    | 2.0                            | -9.0  |
|           | MAY.                    | 0.7  | -1.6                                      | -1.1                                         | -4.0                                                          | -4.0                                                                          | 3.1                                      | -5.6                                                                      | -1.5     | 1.4                   | 3.6                   | 0.5       | 1.7                    | 2.6                          | 3.7     | -0.1                         | -0.3                                           | 2.7                                    | 1.8                            | -9.2  |
|           | 2018                    | JUN. | 0.6                                       | -1.6                                         | -1.3                                                          | -3.9                                                                          | -3.4                                     | 2.9                                                                       | -5.1     | -1.8                  | 1.0                   | 3.5       | 0.0                    | 1.7                          | 2.2     | 3.7                          | 0.0                                            | -0.3                                   | 2.6                            | 1.8   |
| JUL.      |                         | 0.5  | -1.5                                      | -1.3                                         | -3.6                                                          | -2.8                                                                          | 2.8                                      | -4.7                                                                      | -2.2     | 0.8                   | 3.2                   | -0.2      | 1.4                    | 1.7                          | 3.6     | -0.2                         | -0.4                                           | 2.2                                    | 1.7                            | -9.0  |
| AGO.      |                         | 0.4  | -1.5                                      | -1.4                                         | -3.4                                                          | -2.3                                                                          | 2.7                                      | -4.2                                                                      | -2.6     | 0.7                   | 3.2                   | -0.3      | 1.3                    | 1.3                          | 3.5     | -0.4                         | -0.4                                           | 2.0                                    | 1.7                            | -9.0  |
| SET.      |                         | 0.3  | -1.4                                      | -1.8                                         | -3.2                                                          | -1.8                                                                          | 2.5                                      | -3.8                                                                      | -2.8     | 0.7                   | 3.3                   | -0.3      | 1.1                    | 1.1                          | 3.2     | -0.5                         | -0.5                                           | 1.7                                    | 1.6                            | -8.9  |
| OCT.      |                         | 0.2  | -1.5                                      | -2.2                                         | -3.0                                                          | -1.5                                                                          | 2.4                                      | -3.5                                                                      | -3.0     | 0.7                   | 3.3                   | -0.4      | 1.0                    | 1.1                          | 3.0     | -0.6                         | -0.6                                           | 1.6                                    | 1.6                            | -9.0  |
| NOV.      |                         | 0.2  | -1.5                                      | -2.4                                         | -2.8                                                          | -1.3                                                                          | 2.3                                      | -3.2                                                                      | -3.3     | 0.7                   | 3.5                   | -0.4      | 0.9                    | 1.2                          | 2.7     | -1.0                         | -0.7                                           | 1.5                                    | 1.6                            | -9.2  |
| DIC.      |                         | 0.1  | -1.6                                      | -2.5                                         | -2.7                                                          | -1.1                                                                          | 2.2                                      | -3.0                                                                      | -3.7</   |                       |                       |           |                        |                              |         |                              |                                                |                                        |                                |       |

[Volver al índice](#)

LIMA METROPOLITANA: VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 100 A MÁS TRABAJADORES POR RAMA Y SUBRAMA DE LA INDUSTRIA MANUFACTURERA, COMERCIO Y SERVICIOS, ENERO 1995 - AGOSTO 2019  
(Variación porcentual)

| AÑO Y MES | Industria manufacturera |       |                                           |                                              |                                                               |                                                                               |                                          |                                                                           | Comercio |                       |                       | Servicios |                        |                              |         |                              |                                                |                                        |                                |
|-----------|-------------------------|-------|-------------------------------------------|----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|----------|-----------------------|-----------------------|-----------|------------------------|------------------------------|---------|------------------------------|------------------------------------------------|----------------------------------------|--------------------------------|
|           | Total                   | Total | Producción de alimentos, bebidas y tabaco | Textiles, confecciones e industria del cuero | Industria maderera, fabricación de papel, edición e impresión | Fabricación de sustancias químicas, refinación de petróleo, caucho y plástico | Industria metálica y no metálica básicas | Fabricación de maquinarias, equipos, herramientas y aparatos electrónicos | Total    | Comercio al por mayor | Comercio al por menor | Total     | Restaurantes y hoteles | Establecimientos financieros | Seguros | Bienes inmuebles y servicios | Servicios de saneamiento, sociales y comunales | Servicios de diversión y esparcimiento | Servicios personales y hogares |
| FEB.      | 0.5                     | -0.3  | 1.0                                       | -1.1                                         | -1.1                                                          | 0.5                                                                           | -0.3                                     | -1.9                                                                      | 0.1      | -0.2                  | 0.3                   | 1.2       | -3.1                   | 1.6                          | 3.1     | -1.1                         | 4.2                                            | 0.0                                    | -12.9                          |
| MAR.      | 0.6                     | -0.2  | 1.3                                       | -1.3                                         | -0.6                                                          | 0.0                                                                           | -0.2                                     | -1.2                                                                      | 0.2      | -0.1                  | 0.4                   | 1.3       | -3.4                   | 1.9                          | 3.5     | -1.2                         | 4.6                                            | -0.3                                   | -12.6                          |
| ABR.      | 0.7                     | -0.2  | 1.2                                       | -1.3                                         | 0.0                                                           | -0.1                                                                          | -0.6                                     | -0.6                                                                      | 0.3      | -0.1                  | 0.4                   | 1.3       | -3.3                   | 2.1                          | 3.6     | -1.4                         | 4.6                                            | -0.3                                   | -12.3                          |
| MAY.      | 0.6                     | -0.3  | 1.1                                       | -1.6                                         | 0.0                                                           | -0.2                                                                          | -0.8                                     | -0.5                                                                      | 0.3      | 0.1                   | 0.4                   | 1.2       | -3.1                   | 2.3                          | 3.7     | -1.6                         | 4.4                                            | -0.3                                   | -11.9                          |
| JUN.      | 0.6                     | -0.4  | 1.0                                       | -2.0                                         | 0.0                                                           | -0.4                                                                          | -1.1                                     | 0.0                                                                       | 0.3      | 0.2                   | 0.4                   | 1.2       | -2.9                   | 2.6                          | 4.1     | -1.8                         | 4.1                                            | -0.2                                   | -10.9                          |
| JUL.      | 0.5                     | -0.5  | 1.1                                       | -2.3                                         | -0.1                                                          | -0.5                                                                          | -1.4                                     | 0.3                                                                       | 0.4      | 0.4                   | 0.4                   | 1.1       | -2.5                   | 2.8                          | 4.1     | -2.1                         | 4.0                                            | -0.2                                   | -9.4                           |
| AGO. P/   | 0.5                     | -0.6  | 1.2                                       | -2.6                                         | -0.1                                                          | -0.8                                                                          | -1.6                                     | 0.3                                                                       | 0.5      | 0.5                   | 0.5                   | 1.1       | -2.0                   | 3.0                          | 4.1     | -2.5                         | 4.0                                            | 0.0                                    | -8.1                           |

**Nota:** La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en enero 1995.  
P/ Cifras preliminares.  
**Fuente:** MTPE - Encuesta Nacional de Variación Mensual del Empleo (ENVME).  
**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DEL SECTOR CONSTRUCCIÓN POR OCUPACIÓN, ENERO 2003 - JULIO 2019**

**(Base enero 2003=100)**

| Año  | Mes  | Ocupación |             |          |       |
|------|------|-----------|-------------|----------|-------|
|      |      | Empleados | Obreros     |          | Total |
|      |      |           | Promedio 1/ | Horas 2/ |       |
| 2003 | ENE. | 100.0     | 100.0       | 100.0    | 100.0 |
|      | FEB. | 96.9      | 95.8        | 96.5     | 96.1  |
|      | MAR. | 93.4      | 94.8        | 93.6     | 94.3  |
|      | ABR. | 94.6      | 91.6        | 92.6     | 92.5  |
|      | MAY. | 93.8      | 89.6        | 94.5     | 91.0  |
|      | JUN. | 95.9      | 93.8        | 99.1     | 94.5  |
|      | JUL. | 95.5      | 88.9        | 87.4     | 91.1  |
|      | AGO. | 97.0      | 89.8        | 86.6     | 92.2  |
|      | SET. | 95.7      | 83.3        | 81.7     | 87.4  |
|      | OCT. | 95.1      | 86.6        | 88.5     | 89.4  |
|      | NOV. | 95.2      | 87.5        | 89.9     | 90.0  |
|      | DIC. | 95.4      | 95.4        | 97.3     | 95.4  |
| 2004 | ENE. | 90.1      | 91.7        | 93.7     | 91.2  |
|      | FEB. | 91.2      | 85.4        | 86.4     | 87.3  |
|      | MAR. | 101.6     | 79.9        | 80.2     | 87.0  |
|      | ABR. | 98.9      | 78.4        | 78.8     | 85.1  |
|      | MAY. | 96.7      | 77.4        | 78.3     | 83.8  |
|      | JUN. | 99.7      | 73.5        | 72.3     | 82.1  |
|      | JUL. | 99.5      | 74.8        | 73.4     | 82.9  |
|      | AGO. | 100.7     | 74.8        | 73.5     | 83.3  |
|      | SET. | 100.9     | 72.7        | 76.3     | 82.0  |
|      | OCT. | 100.6     | 73.3        | 73.1     | 82.3  |
|      | NOV. | 99.5      | 67.8        | 68.4     | 78.2  |
|      | DIC. | 99.9      | 66.9        | 63.9     | 77.7  |
| 2005 | ENE. | 101.1     | 69.9        | 69.3     | 80.2  |
|      | FEB. | 100.6     | 72.4        | 69.3     | 81.8  |
|      | MAR. | 99.1      | 72.0        | 69.3     | 81.0  |
|      | ABR. | 100.1     | 72.4        | 69.3     | 81.6  |
|      | MAY. | 101.1     | 80.9        | 76.4     | 87.9  |
|      | JUN. | 102.6     | 80.0        | 74.7     | 87.7  |
|      | JUL. | 103.2     | 84.0        | 78.2     | 90.7  |
|      | AGO. | 103.5     | 87.3        | 84.4     | 93.1  |
|      | SET. | 101.8     | 90.2        | 87.1     | 94.7  |
|      | OCT. | 102.2     | 91.8        | 87.0     | 95.8  |
|      | NOV. | 101.4     | 93.2        | 89.6     | 96.6  |
|      | DIC. | 102.4     | 88.3        | 82.9     | 93.5  |
| 2006 | ENE. | 103.0     | 84.3        | 80.3     | 90.9  |
|      | FEB. | 104.3     | 87.5        | 82.1     | 93.5  |
|      | MAR. | 105.2     | 89.7        | 85.1     | 95.4  |
|      | ABR. | 105.3     | 85.1        | 79.2     | 92.1  |
|      | MAY. | 107.8     | 84.6        | 82.5     | 92.5  |
|      | JUN. | 109.2     | 83.0        | 81.4     | 91.9  |
|      | JUL. | 108.5     | 81.9        | 77.5     | 90.8  |
|      | AGO. | 107.7     | 80.6        | 76.7     | 89.7  |
|      | SET. | 108.2     | 82.3        | 79.5     | 91.0  |
|      | OCT. | 109.3     | 77.6        | 76.0     | 88.0  |
|      | NOV. | 110.6     | 78.0        | 70.9     | 88.7  |
|      | DIC. | 108.6     | 74.1        | 65.7     | 85.4  |
| 2007 | ENE. | 108.3     | 72.9        | 66.5     | 84.4  |
|      | FEB. | 109.6     | 74.1        | 68.2     | 85.7  |
|      | MAR. | 112.7     | 78.0        | 73.2     | 89.4  |
|      | ABR. | 113.1     | 78.4        | 69.9     | 89.8  |
|      | MAY. | 114.5     | 84.6        | 81.9     | 94.6  |
|      | JUN. | 117.3     | 90.4        | 83.8     | 99.5  |
|      | JUL. | 119.8     | 95.7        | 86.5     | 104.0 |
|      | AGO. | 120.1     | 101.6       | 97.2     | 108.2 |
|      | SET. | 121.4     | 108.4       | 106.0    | 113.4 |
|      | OCT. | 121.9     | 104.1       | 98.5     | 110.5 |
|      | NOV. | 119.7     | 98.9        | 91.9     | 106.2 |
|      | DIC. | 118.0     | 91.7        | 81.8     | 100.6 |
| 2008 | ENE. | 118.8     | 86.3        | 81.0     | 97.0  |
|      | FEB. | 121.2     | 88.2        | 83.6     | 99.1  |
|      | MAR. | 122.7     | 91.9        | 86.8     | 102.2 |
|      | ABR. | 123.2     | 97.3        | 93.0     | 106.3 |
|      | MAY. | 125.7     | 100.5       | 94.0     | 109.3 |
|      | JUN. | 127.0     | 102.3       | 98.9     | 111.0 |
|      | JUL. | 127.3     | 110.6       | 103.5    | 117.1 |
|      | AGO. | 128.4     | 117.5       | 113.1    | 122.5 |
|      | SET. | 131.3     | 123.3       | 120.2    | 127.5 |
|      | OCT. | 133.8     | 120.1       | 116.5    | 125.9 |
|      | NOV. | 130.5     | 118.9       | 111.7    | 124.1 |
|      | DIC. | 130.2     | 107.3       | 98.6     | 115.6 |
| 2009 | ENE. | 127.8     | 101.8       | 97.6     | 110.9 |
|      | FEB. | 126.9     | 104.6       | 99.6     | 112.7 |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DEL SECTOR CONSTRUCCIÓN POR OCUPACIÓN, ENERO 2003 - JULIO 2019**

**(Base enero 2003=100)**

| Año  | Mes  | Ocupación |             |          |       |
|------|------|-----------|-------------|----------|-------|
|      |      | Empleados | Obreros     |          | Total |
|      |      |           | Promedio 1/ | Horas 2/ |       |
|      | MAR. | 128.0     | 104.7       | 100.0    | 113.0 |
|      | ABR. | 128.2     | 104.0       | 97.8     | 112.6 |
|      | MAY. | 127.2     | 100.8       | 95.7     | 110.0 |
|      | JUN. | 127.2     | 100.2       | 97.5     | 109.5 |
|      | JUL. | 127.7     | 101.1       | 95.8     | 110.3 |
|      | AGO. | 128.4     | 102.5       | 99.3     | 111.5 |
|      | SET. | 131.5     | 104.6       | 99.8     | 113.9 |
|      | OCT. | 133.0     | 103.2       | 98.3     | 113.4 |
|      | NOV. | 135.3     | 100.3       | 96.6     | 111.9 |
|      | DIC. | 135.3     | 96.1        | 90.1     | 108.8 |
| 2010 | ENE. | 129.1     | 92.3        | 87.5     | 104.2 |
|      | FEB. | 131.0     | 89.0        | 84.8     | 102.3 |
|      | MAR. | 132.3     | 87.7        | 83.3     | 101.7 |
|      | ABR. | 134.2     | 86.3        | 79.0     | 101.3 |
|      | MAY. | 136.7     | 88.2        | 84.9     | 103.4 |
|      | JUN. | 142.0     | 87.3        | 84.4     | 104.2 |
|      | JUL. | 143.6     | 87.5        | 83.7     | 104.8 |
|      | AGO. | 144.7     | 88.0        | 88.1     | 105.5 |
|      | SET. | 149.4     | 92.4        | 91.5     | 110.1 |
|      | OCT. | 149.2     | 94.7        | 91.5     | 111.8 |
|      | NOV. | 150.3     | 101.6       | 99.7     | 117.2 |
|      | DIC. | 151.2     | 99.6        | 94.1     | 115.9 |
| 2011 | ENE. | 152.3     | 92.0        | 88.3     | 110.5 |
|      | FEB. | 150.0     | 90.9        | 88.3     | 109.1 |
|      | MAR. | 150.5     | 89.9        | 86.6     | 108.4 |
|      | ABR. | 150.5     | 87.7        | 81.4     | 106.8 |
|      | MAY. | 150.6     | 88.5        | 86.4     | 107.5 |
|      | JUN. | 150.6     | 86.1        | 83.0     | 105.7 |
|      | JUL. | 148.5     | 80.6        | 74.5     | 101.0 |
|      | AGO. | 150.9     | 76.6        | 72.7     | 98.6  |
|      | SET. | 149.5     | 75.2        | 72.4     | 97.1  |
|      | OCT. | 149.7     | 74.8        | 71.0     | 96.9  |
|      | NOV. | 149.9     | 74.1        | 74.5     | 96.4  |
|      | DIC. | 152.0     | 75.2        | 76.2     | 97.9  |
| 2012 | ENE. | 153.3     | 75.6        | 73.9     | 98.4  |
|      | FEB. | 153.1     | 75.1        | 73.5     | 98.1  |
|      | MAR. | 154.3     | 74.3        | 73.1     | 97.8  |
|      | ABR. | 154.2     | 72.0        | 67.1     | 96.0  |
|      | MAY. | 157.7     | 75.1        | 71.7     | 99.3  |
|      | JUN. | 160.1     | 73.8        | 70.6     | 99.0  |
|      | JUL. | 162.1     | 74.8        | 71.9     | 100.3 |
|      | AGO. | 168.1     | 75.8        | 75.3     | 102.6 |
|      | SET. | 168.5     | 78.1        | 74.8     | 104.5 |
|      | OCT. | 171.1     | 79.3        | 75.8     | 106.1 |
|      | NOV. | 171.7     | 82.2        | 81.2     | 108.4 |
|      | DIC. | 171.6     | 80.9        | 76.2     | 107.4 |
| 2013 | ENE. | 174.6     | 81.2        | 80.2     | 108.5 |
|      | FEB. | 175.6     | 84.2        | 80.9     | 111.0 |
|      | MAR. | 175.6     | 86.5        | 82.4     | 112.7 |
|      | ABR. | 176.0     | 88.3        | 85.9     | 114.2 |
|      | MAY. | 176.1     | 91.0        | 88.7     | 116.2 |
|      | JUN. | 178.9     | 90.8        | 90.7     | 116.9 |
|      | JUL. | 179.1     | 90.9        | 84.7     | 117.0 |
|      | AGO. | 178.3     | 88.4        | 91.1     | 114.9 |
|      | SET. | 179.0     | 87.8        | 87.0     | 114.6 |
|      | OCT. | 177.9     | 86.9        | 86.1     | 113.7 |
|      | NOV. | 178.5     | 87.0        | 87.8     | 113.9 |
|      | DIC. | 176.0     | 84.1        | 80.8     | 111.0 |
| 2014 | ENE. | 177.5     | 83.8        | 79.1     | 111.2 |
|      | FEB. | 176.8     | 85.9        | 81.0     | 112.6 |
|      | MAR. | 177.3     | 86.9        | 83.3     | 113.5 |
|      | ABR. | 174.3     | 88.6        | 81.7     | 114.0 |
|      | MAY. | 175.1     | 90.7        | 84.4     | 115.7 |
|      | JUN. | 173.6     | 89.3        | 83.4     | 114.3 |
|      | JUL. | 172.5     | 87.3        | 84.1     | 112.5 |
|      | AGO. | 171.5     | 88.4        | 89.8     | 113.0 |
|      | SET. | 170.1     | 89.0        | 89.8     | 113.1 |
|      | OCT. | 167.9     | 87.3        | 86.0     | 111.2 |
|      | NOV. | 168.7     | 84.8        | 80.5     | 109.6 |
|      | DIC. | 168.3     | 82.4        | 79.9     | 107.7 |
| 2015 | ENE. | 173.4     | 76.2        | 71.9     | 104.4 |
|      | FEB. | 173.3     | 77.0        | 72.0     | 105.0 |
|      | MAR. | 173.5     | 78.3        | 76.4     | 106.0 |
|      | ABR. | 171.6     | 76.3        | 72.5     | 103.9 |

**LIMA METROPOLITANA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DEL SECTOR CONSTRUCCIÓN POR OCUPACIÓN, ENERO 2003 - JULIO 2019**

**(Base enero 2003=100)**

| Año  | Mes     | Ocupación |             |          |       |
|------|---------|-----------|-------------|----------|-------|
|      |         | Empleados | Obreros     |          | Total |
|      |         |           | Promedio 1/ | Horas 2/ |       |
| 2016 | MAY.    | 171.9     | 80.7        | 76.3     | 107.4 |
|      | JUN.    | 170.5     | 82.8        | 80.8     | 108.6 |
|      | JUL.    | 170.4     | 80.3        | 77.1     | 106.7 |
|      | AGO.    | 169.9     | 77.4        | 75.3     | 104.3 |
|      | SET.    | 169.6     | 78.1        | 76.9     | 104.7 |
|      | OCT.    | 169.5     | 76.7        | 75.1     | 103.7 |
|      | NOV.    | 168.9     | 72.7        | 74.4     | 100.5 |
|      | DIC.    | 168.0     | 70.0        | 65.1     | 98.2  |
|      | ENE.    | 164.7     | 66.2        | 63.9     | 94.5  |
|      | FEB.    | 164.4     | 67.0        | 63.2     | 95.0  |
|      | MAR.    | 166.4     | 65.6        | 62.3     | 94.5  |
|      | ABR.    | 165.9     | 65.9        | 62.8     | 94.6  |
| 2017 | MAY.    | 163.0     | 60.7        | 57.5     | 89.9  |
|      | JUN.    | 164.6     | 61.0        | 56.7     | 90.5  |
|      | JUL.    | 163.7     | 62.0        | 54.9     | 91.1  |
|      | AGO.    | 165.4     | 63.7        | 57.2     | 92.8  |
|      | SET.    | 164.5     | 63.0        | 57.5     | 92.1  |
|      | OCT.    | 162.2     | 63.4        | 57.1     | 91.7  |
|      | NOV.    | 162.5     | 63.6        | 57.6     | 91.9  |
|      | DIC.    | 160.4     | 63.6        | 59.5     | 91.4  |
|      | ENE.    | 161.5     | 63.5        | 60.3     | 91.6  |
|      | FEB.    | 161.4     | 63.4        | 58.3     | 91.5  |
|      | MAR.    | 158.1     | 61.6        | 58.4     | 89.2  |
|      | ABR.    | 156.2     | 61.5        | 56.1     | 88.6  |
| 2018 | MAY.    | 153.9     | 59.6        | 55.8     | 86.6  |
|      | JUN.    | 153.8     | 60.2        | 56.2     | 87.1  |
|      | JUL.    | 152.8     | 61.4        | 56.3     | 87.7  |
|      | AGO.    | 151.7     | 63.9        | 60.2     | 89.3  |
|      | SET.    | 152.5     | 64.4        | 62.0     | 89.8  |
|      | OCT.    | 152.1     | 65.3        | 63.6     | 90.4  |
|      | NOV.    | 153.3     | 64.8        | 66.0     | 90.3  |
|      | DIC.    | 152.3     | 64.2        | 61.3     | 89.6  |
|      | ENE.    | 150.7     | 61.4        | 57.8     | 87.1  |
|      | FEB.    | 150.1     | 61.3        | 57.6     | 86.8  |
|      | MAR.    | 145.8     | 60.3        | 57.8     | 84.9  |
|      | ABR.    | 144.5     | 59.6        | 56.2     | 84.0  |
| 2019 | MAY.    | 145.2     | 62.9        | 58.3     | 86.7  |
|      | JUN.    | 144.9     | 61.1        | 57.1     | 85.3  |
|      | JUL.    | 145.0     | 62.6        | 59.9     | 86.4  |
|      | AGO.    | 144.7     | 58.9        | 56.5     | 83.6  |
|      | SET.    | 147.5     | 59.3        | 56.1     | 84.6  |
|      | OCT.    | 147.5     | 61.6        | 58.7     | 86.3  |
|      | NOV.    | 145.9     | 62.9        | 59.3     | 86.9  |
|      | DIC.    | 144.6     | 61.9        | 57.3     | 85.8  |
|      | ENE.    | 142.8     | 58.8        | 55.7     | 83.0  |
|      | FEB.    | 144.7     | 60.5        | 55.4     | 84.8  |
|      | MAR.    | 145.0     | 61.8        | 60.3     | 85.8  |
|      | ABR.    | 143.9     | 63.0        | 58.7     | 86.4  |
|      | MAY.    | 143.2     | 62.7        | 61.6     | 86.0  |
|      | JUN.    | 138.5     | 62.7        | 60.5     | 84.8  |
|      | JUL. P/ | 137.8     | 61.5        | 58.4     | 83.7  |

**Notas:** Lima Metropolitana incluye a la Provincia Constitucional del Callao.

La Encuesta Mensual de Empleo del Sector Construcción recoge información de empresas, de 10 y más trabajadores, que tienen por sede la ciudad de Lima Metropolitana y la Provincia Constitucional del Callao, estas empresas registran obras de construcción en la ciudad capital y en el interior del país. El análisis de la ciudad se inició en enero 2003.

1/ Se refiere a la cantidad de trabajadores en promedio.

2/ Se refiere a las horas trabajadas en promedio.

P/ Cifras preliminares.

Fuente: MTPE – Encuesta Mensual de Empleo en el Sector Construcción (EMESC).

Elaboración: MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS  
PRIVADAS FORMALES DEL SECTOR CONSTRUCCIÓN POR OCUPACIÓN, ENERO 2004 - JULIO 2019**  
(Variación porcentual)

| Año  | Mes  | VARIACIÓN ANUAL 1/ |             |          |       | VARIACIÓN PROMEDIO ANUAL 2/ |             |          |       |
|------|------|--------------------|-------------|----------|-------|-----------------------------|-------------|----------|-------|
|      |      | Ocupación          |             |          | Total | Ocupación                   |             |          | Total |
|      |      | Empleados          | Obreros     |          |       | Empleados                   | Obreros     |          |       |
|      |      |                    | Promedio 3/ | Horas 4/ |       |                             | Promedio 3/ | Horas 4/ |       |
| 2004 | ENE. | -9.9               | -8.3        | -6.3     | -8.8  | -9.9                        | -8.3        | -6.3     | -8.8  |
|      | FEB. | -5.9               | -10.9       | -10.4    | -9.2  | -7.9                        | -9.6        | -8.3     | -9.0  |
|      | MAR. | 8.8                | -15.7       | -14.3    | -7.7  | -2.5                        | -11.5       | -10.3    | -8.6  |
|      | ABR. | 4.6                | -14.4       | -15.0    | -8.0  | -0.8                        | -12.2       | -11.4    | -8.4  |
|      | MAY. | 3.1                | -13.6       | -17.1    | -7.9  | 0.0                         | -12.5       | -12.5    | -8.3  |
|      | JUN. | 4.0                | -21.7       | -27.0    | -13.1 | 0.6                         | -14.0       | -15.0    | -9.1  |
|      | JUL. | 4.1                | -15.9       | -16.0    | -9.0  | 1.1                         | -14.3       | -15.2    | -9.1  |
|      | AGO. | 3.8                | -16.8       | -15.1    | -9.6  | 1.5                         | -14.6       | -15.2    | -9.2  |
|      | SET. | 5.5                | -12.7       | -6.7     | -6.2  | 1.9                         | -14.4       | -14.3    | -8.9  |
|      | OCT. | 5.8                | -15.3       | -17.4    | -7.9  | 2.3                         | -14.5       | -14.6    | -8.8  |
|      | NOV. | 4.5                | -22.5       | -24.0    | -13.1 | 2.5                         | -15.2       | -15.4    | -9.2  |
|      | DIC. | 4.8                | -29.9       | -34.3    | -18.5 | 2.7                         | -16.5       | -17.1    | -10.0 |
| 2005 | ENE. | 12.2               | -23.8       | -26.0    | -12.1 | 12.2                        | -23.8       | -26.0    | -12.1 |
|      | FEB. | 10.4               | -15.2       | -19.9    | -6.3  | 11.3                        | -19.7       | -23.1    | -9.3  |
|      | MAR. | -2.5               | -10.0       | -13.6    | -7.0  | 6.4                         | -16.6       | -20.2    | -8.5  |
|      | ABR. | 1.2                | -7.7        | -12.0    | -4.2  | 5.0                         | -14.6       | -18.3    | -7.5  |
|      | MAY. | 4.6                | 4.5         | -2.5     | 4.9   | 4.9                         | -11.0       | -15.3    | -5.1  |
|      | JUN. | 2.9                | 8.8         | 3.3      | 6.8   | 4.6                         | -8.0        | -12.6    | -3.2  |
|      | JUL. | 3.7                | 12.4        | 6.5      | 9.4   | 4.5                         | -5.3        | -10.1    | -1.4  |
|      | AGO. | 2.8                | 16.7        | 14.9     | 11.8  | 4.3                         | -2.7        | -7.2     | 0.2   |
|      | SET. | 0.9                | 24.1        | 14.2     | 15.4  | 3.9                         | 0.1         | -4.9     | 1.8   |
|      | OCT. | 1.6                | 25.2        | 19.1     | 16.5  | 3.6                         | 2.4         | -2.7     | 3.2   |
|      | NOV. | 1.9                | 37.5        | 31.1     | 23.5  | 3.5                         | 5.2         | 0.0      | 5.0   |
|      | DIC. | 2.5                | 32.0        | 29.7     | 20.2  | 3.4                         | 7.2         | 2.1      | 6.1   |
| 2006 | ENE. | 1.9                | 20.6        | 15.9     | 13.3  | 1.9                         | 20.6        | 15.9     | 13.3  |
|      | FEB. | 3.7                | 20.9        | 18.5     | 14.4  | 2.8                         | 20.8        | 17.2     | 13.9  |
|      | MAR. | 6.1                | 24.7        | 22.8     | 17.7  | 3.9                         | 22.1        | 19.0     | 15.2  |
|      | ABR. | 5.1                | 17.6        | 14.3     | 12.9  | 4.2                         | 21.0        | 17.9     | 14.6  |
|      | MAY. | 6.5                | 4.6         | 7.9      | 5.3   | 4.7                         | 17.4        | 15.7     | 12.6  |
|      | JUN. | 6.4                | 3.8         | 8.9      | 4.7   | 5.0                         | 15.0        | 14.5     | 11.2  |
|      | JUL. | 5.1                | -2.5        | -0.9     | 0.1   | 5.0                         | 12.2        | 12.1     | 9.5   |
|      | AGO. | 4.0                | -7.6        | -9.1     | -3.7  | 4.9                         | 9.4         | 9.1      | 7.7   |
|      | SET. | 6.3                | -8.8        | -8.7     | -3.8  | 5.0                         | 7.1         | 6.8      | 6.3   |
|      | OCT. | 7.0                | -15.5       | -12.7    | -8.1  | 5.2                         | 4.5         | 4.6      | 4.7   |
|      | NOV. | 9.0                | -16.4       | -20.9    | -8.2  | 5.6                         | 2.3         | 1.9      | 3.5   |
|      | DIC. | 6.0                | -16.0       | -20.7    | -8.6  | 5.6                         | 0.7         | -0.1     | 2.4   |
| 2007 | ENE. | 5.1                | -13.6       | -17.1    | -7.1  | 5.1                         | -13.6       | -17.1    | -7.1  |
|      | FEB. | 5.1                | -15.3       | -16.9    | -8.4  | 5.1                         | -14.5       | -17.0    | -7.7  |
|      | MAR. | 7.2                | -13.1       | -13.9    | -6.3  | 5.8                         | -14.0       | -16.0    | -7.2  |
|      | ABR. | 7.4                | -7.9        | -11.7    | -2.5  | 6.2                         | -12.5       | -14.9    | -6.1  |
|      | MAY. | 6.2                | 0.0         | -0.6     | 2.2   | 6.2                         | -10.0       | -12.0    | -4.4  |
|      | JUN. | 7.4                | 8.8         | 3.0      | 8.3   | 6.4                         | -7.0        | -9.5     | -2.3  |
|      | JUL. | 10.5               | 16.9        | 11.7     | 14.5  | 7.0                         | -3.7        | -6.6     | 0.0   |
|      | AGO. | 11.5               | 26.0        | 26.7     | 20.6  | 7.6                         | -0.2        | -2.7     | 2.5   |
|      | SET. | 12.2               | 31.8        | 33.2     | 24.6  | 8.1                         | 3.3         | 1.3      | 5.0   |
|      | OCT. | 11.4               | 34.2        | 29.7     | 25.5  | 8.4                         | 6.2         | 4.0      | 6.9   |
|      | NOV. | 8.2                | 26.9        | 29.6     | 19.7  | 8.4                         | 7.9         | 6.0      | 8.1   |
|      | DIC. | 8.7                | 23.7        | 24.4     | 17.8  | 8.4                         | 9.1         | 7.3      | 8.8   |
| 2008 | ENE. | 9.8                | 18.4        | 21.7     | 15.0  | 9.8                         | 18.4        | 21.7     | 15.0  |
|      | FEB. | 10.6               | 18.9        | 22.5     | 15.6  | 10.2                        | 18.6        | 22.1     | 15.3  |
|      | MAR. | 8.9                | 17.9        | 18.6     | 14.4  | 9.7                         | 18.4        | 20.9     | 15.0  |
|      | ABR. | 8.9                | 24.1        | 33.0     | 18.3  | 9.5                         | 19.9        | 23.9     | 15.8  |
|      | MAY. | 9.8                | 18.8        | 14.7     | 15.6  | 9.6                         | 19.6        | 21.8     | 15.8  |
|      | JUN. | 8.3                | 13.1        | 18.0     | 11.6  | 9.4                         | 18.4        | 21.1     | 15.0  |
|      | JUL. | 6.2                | 15.6        | 19.6     | 12.6  | 8.9                         | 17.9        | 20.9     | 14.6  |
|      | AGO. | 6.9                | 15.7        | 16.4     | 13.2  | 8.6                         | 17.6        | 20.2     | 14.4  |
|      | SET. | 8.1                | 13.7        | 13.5     | 12.4  | 8.6                         | 17.1        | 19.2     | 14.2  |
|      | OCT. | 9.8                | 15.4        | 18.2     | 13.9  | 8.7                         | 16.9        | 19.1     | 14.1  |
|      | NOV. | 9.0                | 20.2        | 21.6     | 16.8  | 8.7                         | 17.2        | 19.3     | 14.4  |
|      | DIC. | 10.3               | 17.0        | 20.5     | 14.8  | 8.9                         | 17.2        | 19.4     | 14.4  |
| 2009 | ENE. | 7.6                | 18.0        | 20.6     | 14.2  | 7.6                         | 18.0        | 20.6     | 14.2  |
|      | FEB. | 4.7                | 18.7        | 19.2     | 13.7  | 6.1                         | 18.3        | 19.9     | 13.9  |
|      | MAR. | 4.3                | 13.9        | 15.2     | 10.6  | 5.5                         | 16.8        | 18.2     | 12.8  |
|      | ABR. | 4.1                | 6.9         | 5.2      | 6.0   | 5.2                         | 14.2        | 14.7     | 11.0  |
|      | MAY. | 1.2                | 0.3         | 1.8      | 0.6   | 4.3                         | 11.2        | 11.9     | 8.8   |
|      | JUN. | 0.1                | -2.0        | -1.4     | -1.3  | 3.6                         | 8.8         | 9.5      | 7.0   |
|      | JUL. | 0.3                | -8.6        | -7.4     | -5.8  | 3.1                         | 5.9         | 6.8      | 5.0   |
|      | AGO. | 0.0                | -12.8       | -12.3    | -8.9  | 2.7                         | 3.2         | 3.9      | 3.0   |
|      | SET. | 0.1                | -15.2       | -17.0    | -10.7 | 2.4                         | 0.7         | 1.0      | 1.3   |
|      | OCT. | -0.6               | -14.0       | -15.6    | -9.9  | 2.1                         | -1.0        | -0.9     | 0.0   |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS  
PRIVADAS FORMALES DEL SECTOR CONSTRUCCIÓN POR OCUPACIÓN, ENERO 2004 - JULIO 2019**  
(Variación porcentual)

| Año  | Mes  | VARIACIÓN ANUAL 1/ |             |          |       | VARIACIÓN PROMEDIO ANUAL 2/ |             |          |       |
|------|------|--------------------|-------------|----------|-------|-----------------------------|-------------|----------|-------|
|      |      | Ocupación          |             |          | Total | Ocupación                   |             |          | Total |
|      |      | Empleados          | Obreros     |          |       | Empleados                   | Obreros     |          |       |
|      |      |                    | Promedio 3/ | Horas 4/ |       |                             | Promedio 3/ | Horas 4/ |       |
| 2010 | NOV. | 3.6                | -15.6       | -13.5    | -9.8  | 2.2                         | -2.5        | -2.2     | -1.0  |
|      | DIC. | 3.9                | -10.5       | -8.6     | -5.9  | 2.4                         | -3.2        | -2.7     | -1.4  |
|      | ENE. | 1.0                | -9.4        | -10.4    | -6.0  | 1.0                         | -9.4        | -10.4    | -6.0  |
|      | FEB. | 3.2                | -15.0       | -14.8    | -9.2  | 2.1                         | -12.2       | -12.6    | -7.6  |
|      | MAR. | 3.3                | -16.2       | -16.7    | -10.0 | 2.5                         | -13.6       | -14.0    | -8.4  |
|      | ABR. | 4.7                | -17.0       | -19.2    | -10.0 | 3.0                         | -14.4       | -15.3    | -8.8  |
|      | MAY. | 7.5                | -12.5       | -11.2    | -6.0  | 3.9                         | -14.0       | -14.5    | -8.2  |
|      | JUN. | 11.7               | -12.9       | -13.4    | -4.9  | 5.2                         | -13.9       | -14.3    | -7.7  |
|      | JUL. | 12.5               | -13.5       | -12.6    | -5.0  | 6.3                         | -13.8       | -14.1    | -7.3  |
|      | AGO. | 12.7               | -14.1       | -11.2    | -5.4  | 7.1                         | -13.8       | -13.7    | -7.1  |
|      | SET. | 13.7               | -11.6       | -8.3     | -3.4  | 7.8                         | -13.6       | -13.1    | -6.7  |
|      | OCT. | 12.2               | -8.3        | -7.0     | -1.4  | 8.3                         | -13.1       | -12.5    | -6.1  |
| 2011 | NOV. | 11.1               | 1.3         | 3.2      | 4.8   | 8.5                         | -11.8       | -11.1    | -5.1  |
|      | DIC. | 11.8               | 3.6         | 4.3      | 6.6   | 8.8                         | -10.6       | -9.9     | -4.2  |
|      | ENE. | 18.0               | -0.3        | 0.9      | 6.1   | 18.0                        | -0.3        | 0.9      | 6.1   |
|      | FEB. | 14.5               | 2.1         | 4.0      | 6.6   | 16.2                        | 0.9         | 2.5      | 6.3   |
|      | MAR. | 13.7               | 2.5         | 4.0      | 6.6   | 15.4                        | 1.4         | 3.0      | 6.4   |
|      | ABR. | 12.1               | 1.6         | 3.0      | 5.5   | 14.6                        | 1.5         | 3.0      | 6.2   |
|      | MAY. | 10.1               | 0.3         | 1.7      | 3.9   | 13.6                        | 1.3         | 2.7      | 5.7   |
|      | JUN. | 6.0                | -1.3        | -1.7     | 1.4   | 12.3                        | 0.8         | 2.0      | 5.0   |
|      | JUL. | 3.4                | -7.8        | -11.1    | -3.7  | 11.0                        | -0.4        | 0.1      | 3.7   |
|      | AGO. | 4.3                | -12.9       | -17.4    | -6.5  | 10.1                        | -2.0        | -2.2     | 2.4   |
|      | SET. | 0.0                | -18.6       | -20.9    | -11.8 | 8.9                         | -3.9        | -4.4     | 0.8   |
|      | OCT. | 0.3                | -21.0       | -22.3    | -13.3 | 7.9                         | -5.7        | -6.3     | -0.7  |
| 2012 | NOV. | -0.2               | -27.1       | -25.3    | -17.8 | 7.1                         | -7.9        | -8.3     | -2.4  |
|      | DIC. | 0.5                | -24.4       | -18.9    | -15.6 | 6.6                         | -9.4        | -9.2     | -3.6  |
|      | ENE. | 0.6                | -17.9       | -16.3    | -10.9 | 0.6                         | -17.9       | -16.3    | -10.9 |
|      | FEB. | 2.1                | -17.4       | -16.8    | -10.1 | 1.4                         | -17.6       | -16.5    | -10.5 |
|      | MAR. | 2.5                | -17.3       | -15.6    | -9.8  | 1.8                         | -17.5       | -16.2    | -10.3 |
|      | ABR. | 2.5                | -18.0       | -17.5    | -10.2 | 1.9                         | -17.6       | -16.5    | -10.3 |
|      | MAY. | 4.7                | -15.2       | -17.0    | -7.6  | 2.5                         | -17.1       | -16.6    | -9.7  |
|      | JUN. | 6.3                | -14.3       | -14.9    | -6.3  | 3.1                         | -16.7       | -16.4    | -9.2  |
|      | JUL. | 9.2                | -7.2        | -3.4     | -0.7  | 4.0                         | -15.5       | -14.7    | -8.0  |
|      | AGO. | 11.4               | -1.1        | 3.5      | 4.1   | 4.9                         | -13.9       | -12.7    | -6.6  |
|      | SET. | 12.8               | 3.9         | 3.2      | 7.6   | 5.8                         | -12.1       | -11.1    | -5.2  |
|      | OCT. | 14.3               | 6.0         | 6.7      | 9.5   | 6.6                         | -10.5       | -9.6     | -3.8  |
| 2013 | NOV. | 14.5               | 11.0        | 9.0      | 12.5  | 7.4                         | -8.8        | -8.0     | -2.4  |
|      | DIC. | 12.9               | 7.5         | 0.0      | 9.8   | 7.8                         | -7.6        | -7.3     | -1.5  |
|      | ENE. | 13.9               | 7.5         | 8.6      | 10.2  | 13.9                        | 7.5         | 8.6      | 10.2  |
|      | FEB. | 14.6               | 12.2        | 10.1     | 13.2  | 14.3                        | 9.8         | 9.3      | 11.7  |
|      | MAR. | 13.8               | 16.4        | 12.8     | 15.3  | 14.1                        | 12.0        | 10.5     | 12.9  |
|      | ABR. | 14.1               | 22.7        | 28.0     | 19.0  | 14.1                        | 14.6        | 14.6     | 14.4  |
|      | MAY. | 11.7               | 21.2        | 23.7     | 17.1  | 13.6                        | 15.9        | 16.4     | 14.9  |
|      | JUN. | 11.7               | 23.0        | 28.4     | 18.1  | 13.3                        | 17.1        | 18.4     | 15.5  |
|      | JUL. | 10.5               | 21.6        | 17.8     | 16.7  | 12.9                        | 17.7        | 18.3     | 15.6  |
|      | AGO. | 6.0                | 16.7        | 20.9     | 11.9  | 12.0                        | 17.6        | 18.6     | 15.2  |
|      | SET. | 6.2                | 12.4        | 16.4     | 9.7   | 11.3                        | 17.0        | 18.4     | 14.5  |
|      | OCT. | 4.0                | 9.6         | 13.6     | 7.1   | 10.5                        | 16.2        | 17.9     | 13.7  |
| 2014 | NOV. | 3.9                | 5.9         | 8.2      | 5.0   | 9.9                         | 15.2        | 16.9     | 12.9  |
|      | DIC. | 2.5                | 4.0         | 6.0      | 3.3   | 9.2                         | 14.2        | 16.0     | 12.1  |
|      | ENE. | 1.6                | 3.2         | -1.4     | 2.5   | 1.6                         | 3.2         | -1.4     | 2.5   |
|      | FEB. | 0.7                | 2.0         | 0.2      | 1.4   | 1.2                         | 2.6         | -0.6     | 2.0   |
|      | MAR. | 1.0                | 0.5         | 1.0      | 0.7   | 1.1                         | 1.9         | -0.1     | 1.5   |
|      | ABR. | -1.0               | 0.4         | -4.9     | -0.2  | 0.6                         | 1.5         | -1.3     | 1.1   |
|      | MAY. | -0.6               | -0.3        | -4.9     | -0.4  | 0.3                         | 1.1         | -2.1     | 0.8   |
|      | JUN. | -2.9               | -1.7        | -8.0     | -2.2  | -0.2                        | 0.6         | -3.1     | 0.3   |
|      | JUL. | -3.7               | -4.0        | -0.7     | -3.9  | -0.7                        | -0.1        | -2.8     | -0.3  |
|      | AGO. | -3.8               | 0.0         | -1.4     | -1.6  | -1.1                        | -0.1        | -2.6     | -0.5  |
|      | SET. | -5.0               | 1.3         | 3.2      | -1.3  | -1.5                        | 0.1         | -2.0     | -0.6  |
|      | OCT. | -5.6               | 0.4         | -0.1     | -2.1  | -2.0                        | 0.1         | -1.8     | -0.7  |
| 2015 | NOV. | -5.5               | -2.6        | -8.3     | -3.8  | -2.3                        | -0.1        | -2.4     | -1.0  |
|      | DIC. | -4.4               | -2.0        | -1.2     | -3.0  | -2.4                        | -0.3        | -2.3     | -1.2  |
|      | ENE. | -2.3               | -9.1        | -9.1     | -6.2  | -2.3                        | -9.1        | -9.1     | -6.2  |
|      | FEB. | -2.0               | -10.4       | -11.1    | -6.8  | -2.1                        | -9.7        | -10.1    | -6.5  |
|      | MAR. | -2.1               | -9.9        | -8.3     | -6.6  | -2.1                        | -9.8        | -9.5     | -6.5  |
|      | ABR. | -1.5               | -14.0       | -11.3    | -8.8  | -2.0                        | -10.9       | -10.0    | -7.1  |
|      | MAY. | -1.8               | -10.9       | -9.6     | -7.2  | -1.9                        | -10.9       | -9.9     | -7.1  |
|      | JUN. | -1.8               | -7.2        | -3.1     | -5.0  | -1.9                        | -10.3       | -8.7     | -6.8  |
|      | JUL. | -1.2               | -8.0        | -8.4     | -5.1  | -1.8                        | -9.9        | -8.7     | -6.5  |
|      | AGO. | -0.9               | -12.5       | -16.2    | -7.7  | -1.7                        | -10.3       | -9.7     | -6.7  |

**LIMA METROPOLITANA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS  
PRIVADAS FORMALES DEL SECTOR CONSTRUCCIÓN POR OCUPACIÓN, ENERO 2004 - JULIO 2019**  
(Variación porcentual)

| Año  | Mes     | VARIACIÓN ANUAL 1/ |             |          |       | VARIACIÓN PROMEDIO ANUAL 2/ |             |          |       |
|------|---------|--------------------|-------------|----------|-------|-----------------------------|-------------|----------|-------|
|      |         | Ocupación          |             |          | Total | Ocupación                   |             |          | Total |
|      |         | Empleados          | Obreros     |          |       | Empleados                   | Obreros     |          |       |
|      |         |                    | Promedio 3/ | Horas 4/ |       |                             | Promedio 3/ | Horas 4/ |       |
| 2016 | SET.    | -0.3               | -12.3       | -14.4    | -7.4  | -1.6                        | -10.5       | -10.3    | -6.8  |
|      | OCT.    | 0.9                | -12.1       | -12.7    | -6.8  | -1.3                        | -10.6       | -10.5    | -6.8  |
|      | NOV.    | 0.1                | -14.3       | -7.6     | -8.3  | -1.2                        | -11.0       | -10.3    | -6.9  |
|      | DIC.    | -0.1               | -15.1       | -18.5    | -8.7  | -1.1                        | -11.3       | -10.9    | -7.0  |
|      | ENE.    | -5.0               | -13.1       | -11.1    | -9.5  | -5.0                        | -13.1       | -11.1    | -9.5  |
|      | FEB.    | -5.2               | -13.1       | -12.2    | -9.5  | -5.1                        | -13.1       | -11.6    | -9.5  |
|      | MAR.    | -4.1               | -16.1       | -18.5    | -10.8 | -4.8                        | -14.1       | -14.0    | -9.9  |
|      | ABR.    | -3.3               | -13.6       | -13.4    | -9.0  | -4.4                        | -14.0       | -13.8    | -9.7  |
|      | MAY.    | -5.2               | -24.8       | -24.6    | -16.3 | -4.6                        | -16.2       | -16.1    | -11.0 |
|      | JUN.    | -3.4               | -26.4       | -29.8    | -16.6 | -4.4                        | -18.0       | -18.5    | -12.0 |
|      | JUL.    | -3.9               | -22.8       | -28.7    | -14.6 | -4.3                        | -18.7       | -20.0    | -12.4 |
|      | AGO.    | -2.6               | -17.7       | -24.1    | -11.0 | -4.1                        | -18.6       | -20.5    | -12.2 |
| 2017 | SET.    | -3.0               | -19.2       | -25.2    | -12.1 | -4.0                        | -18.7       | -21.1    | -12.2 |
|      | OCT.    | -4.3               | -17.3       | -24.0    | -11.6 | -4.0                        | -18.5       | -21.4    | -12.1 |
|      | NOV.    | -3.8               | -12.5       | -22.6    | -8.5  | -4.0                        | -18.0       | -21.5    | -11.8 |
|      | DIC.    | -4.5               | -9.0        | -8.6     | -7.0  | -4.0                        | -17.3       | -20.5    | -11.4 |
|      | ENE.    | -1.9               | -4.0        | -5.6     | -3.0  | -1.9                        | -4.0        | -5.6     | -3.0  |
|      | FEB.    | -1.8               | -5.2        | -7.7     | -3.6  | -1.9                        | -4.6        | -6.7     | -3.3  |
|      | MAR.    | -5.0               | -6.1        | -6.2     | -5.6  | -2.9                        | -5.1        | -6.5     | -4.1  |
|      | ABR.    | -5.8               | -6.7        | -10.7    | -6.3  | -3.6                        | -5.5        | -7.6     | -4.6  |
|      | MAY.    | -5.6               | -1.9        | -2.9     | -3.7  | -4.0                        | -4.8        | -6.7     | -4.5  |
|      | JUN.    | -6.5               | -1.2        | -0.8     | -3.8  | -4.5                        | -4.3        | -5.8     | -4.4  |
|      | JUL.    | -6.7               | -0.9        | 2.4      | -3.7  | -4.8                        | -3.8        | -4.7     | -4.3  |
|      | AGO.    | -8.3               | 0.4         | 5.3      | -3.8  | -5.2                        | -3.3        | -3.5     | -4.2  |
| 2018 | SET.    | -7.3               | 2.1         | 7.9      | -2.4  | -5.4                        | -2.7        | -2.3     | -4.0  |
|      | OCT.    | -6.2               | 3.0         | 11.4     | -1.4  | -5.5                        | -2.1        | -1.0     | -3.8  |
|      | NOV.    | -5.7               | 1.9         | 14.6     | -1.7  | -5.5                        | -1.8        | 0.4      | -3.6  |
|      | DIC.    | -5.1               | 0.8         | 3.0      | -2.0  | -5.5                        | -1.5        | 0.6      | -3.4  |
|      | ENE.    | -6.7               | -3.3        | -4.1     | -4.9  | -6.7                        | -3.3        | -4.1     | -4.9  |
|      | FEB.    | -7.0               | -3.4        | -1.3     | -5.1  | -6.9                        | -3.3        | -2.7     | -5.0  |
|      | MAR.    | -7.8               | -2.1        | -1.1     | -4.8  | -7.2                        | -2.9        | -2.2     | -5.0  |
|      | ABR.    | -7.5               | -3.1        | 0.3      | -5.2  | -7.2                        | -3.0        | -1.6     | -5.0  |
|      | MAY.    | -5.6               | 5.6         | 4.5      | 0.2   | -6.9                        | -1.3        | -0.4     | -4.0  |
|      | JUN.    | -5.8               | 1.4         | 1.4      | -2.0  | -6.8                        | -0.9        | -0.1     | -3.7  |
|      | JUL.    | -5.1               | 1.8         | 6.5      | -1.4  | -6.5                        | -0.5        | 0.8      | -3.4  |
|      | AGO.    | -4.6               | -7.9        | -6.1     | -6.4  | -6.3                        | -1.5        | -0.1     | -3.8  |
| 2019 | SET.    | -3.3               | -7.9        | -9.6     | -5.8  | -6.0                        | -2.2        | -1.2     | -4.0  |
|      | OCT.    | -3.0               | -5.7        | -7.7     | -4.5  | -5.7                        | -2.6        | -1.9     | -4.0  |
|      | NOV.    | -4.8               | -2.9        | -10.1    | -3.8  | -5.6                        | -2.6        | -2.7     | -4.0  |
|      | DIC.    | -5.1               | -3.6        | -6.5     | -4.3  | -5.6                        | -2.7        | -3.1     | -4.0  |
|      | ENE.    | -5.3               | -4.2        | -3.8     | -4.7  | -5.3                        | -4.2        | -3.8     | -4.7  |
|      | FEB.    | -3.6               | -1.4        | -3.8     | -2.4  | -4.4                        | -2.8        | -3.8     | -3.6  |
|      | MAR.    | -0.6               | 2.4         | 4.5      | 1.0   | -3.2                        | -1.1        | -1.0     | -2.1  |
|      | ABR.    | -0.4               | 5.8         | 4.4      | 2.9   | -2.5                        | 0.6         | 0.3      | -0.8  |
|      | MAY.    | -1.4               | -0.4        | 5.6      | -0.8  | -2.3                        | 0.4         | 1.4      | -0.8  |
|      | JUN.    | -4.4               | 2.7         | 6.0      | -0.6  | -2.6                        | 0.8         | 2.1      | -0.8  |
|      | JUL. P/ | -4.9               | -1.6        | -2.6     | -3.1  | -2.9                        | 0.4         | 1.4      | -1.1  |

**Notas:** Lima Metropolitana incluye a la Provincia Constitucional del Callao.

La Encuesta Mensual de Empleo del Sector Construcción recoge información de empresas, de 10 y más trabajadores, que tienen por sede la ciudad de Lima Metropolitana y Callao, estas empresas registran obras de construcción en la ciudad capital y en el interior del país. El análisis de la ciudad se inició en enero 2004.

1/ Variación porcentual respecto al mismo mes del año anterior.

2/ Variación porcentual de un periodo comprendido desde enero hasta el mes de referencia del año corriente respecto al mismo periodo del año anterior.

3/ Se refiere a la cantidad de trabajadores en promedio.

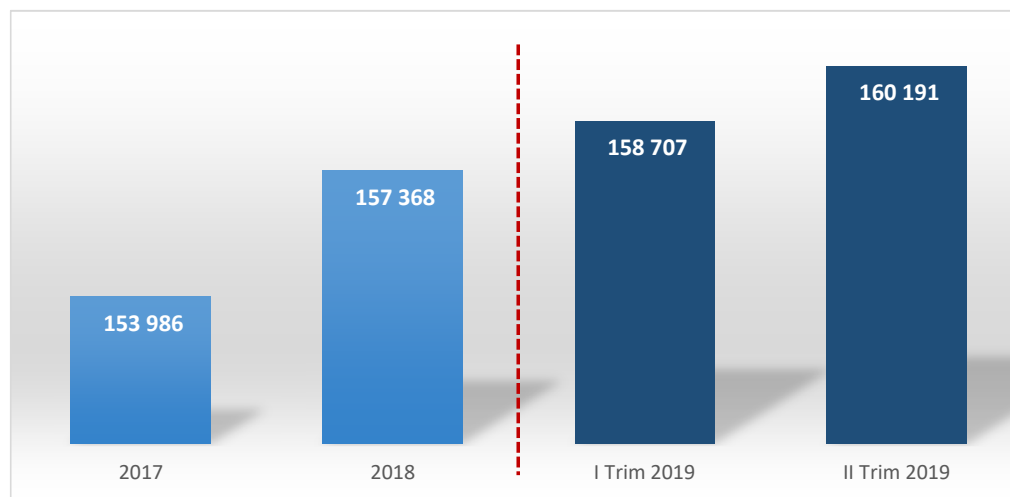
4/ Se refiere a las horas trabajadas en promedio.

P/ Cifras preliminares.

Fuente: MTPE – Encuesta Mensual de Empleo en el Sector Construcción (EMESC).

Elaboración: MTPE - DGPE- Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: PROMEDIO DE EMPRESAS DEL SECTOR  
PRIVADO, 2017 - II TRIM 2019**



**Fuente:** MTPE – OGETIC – Oficina de Estadística - Planilla Electrónica.

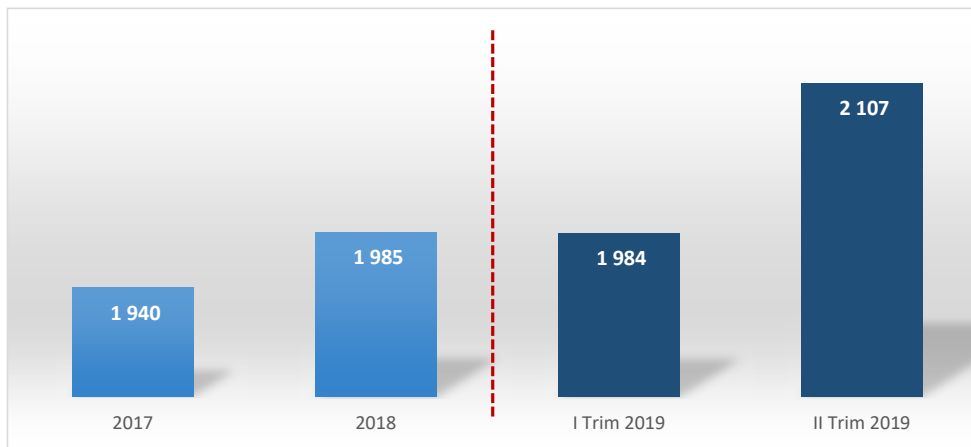
**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

| REGIÓN             | 2015 | 2016 | 2017           | 2018           | I Trim 2019    |
|--------------------|------|------|----------------|----------------|----------------|
| LIMA METROPOLITANA |      |      | 153,986        | 157,368        | 158,707        |
| <b>PERÚ</b>        |      |      | <b>284,656</b> | <b>293,938</b> | <b>297,108</b> |

[Volver al  
índice](#)

| II Trim 2019   |
|----------------|
| 160,191        |
| <b>301,186</b> |

**LIMA METROPOLITANA: PROMEDIO DE TRABAJADORES DEL SECTOR  
PRIVADO, 2017 - II TRIM 2019  
(Miles de personas)**

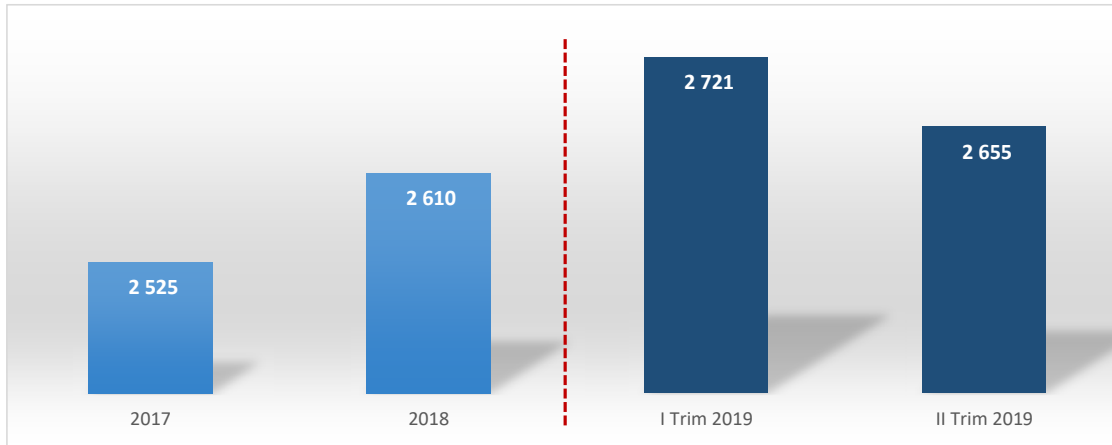


**Fuente:** MTPE – OGETIC – Oficina de Estadística - Planilla Electrónica.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).



**LIMA METROPOLITANA: PROMEDIO DE REMUNERACIÓN MENSUAL DE  
TRABAJADORES DEL SECTOR PRIVADO, 2017 - II TRIM 2019  
(Soles)**

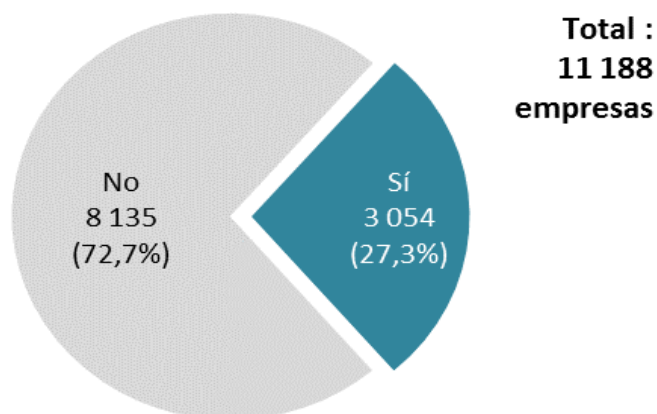


**Fuente:** MTPE – OGETIC – Oficina de Estadística - Planilla Electrónica.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).



**LIMA METROPOLITANA: EMPRESAS QUE REQUERIRÁN PERSONAL  
A CONTRATAR, 2019**  
(Absoluto y porcentaje)

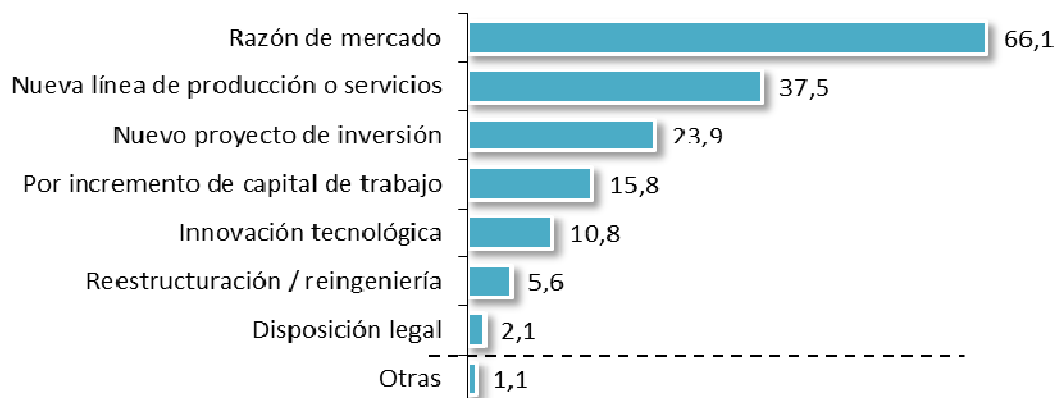


**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao

**Fuente:** MTPE - Encuesta de Demanda Ocupacional a empresas de 20 a más trabajadores, 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

**LIMA METROPOLITANA: EMPRESAS QUE REQUERIRÁN PERSONAL,  
SEGÚN RAZÓN DE CONTRATACIÓN, 2019**  
(Porcentaje)



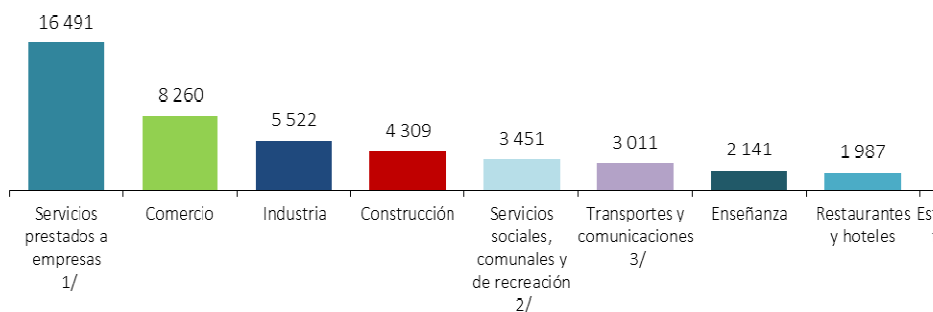
**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao

La suma de los porcentajes excede el 100% por ser respuesta múltiple.

**Fuente:** MTPE - Encuesta de Demanda Ocupacional a empresas de 20 a más trabajadores, 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA METROPOLITANA: PERSONAL A CONTRATAR, SEGÚN PRINCIPALES SECTORES ECONÓMICOS, 2019 (Absoluto)



**Notas:** Lima Metropolitana incluye a la Provincia Constitucional del Callao

Clasificación de sector económico basado en el CIIU Rev. 4.

1/ Considera alquiler de maquinaria y equipo; servicios de informática; servicios de vigilancia; servicios de limpieza; servicios de envase y empaque; ot (actividades jurídicas y contables).

2/ Considera actividades de asociaciones; actividades de esparcimiento; actividades culturales y deportivas; actividades de hospitales; investigación y

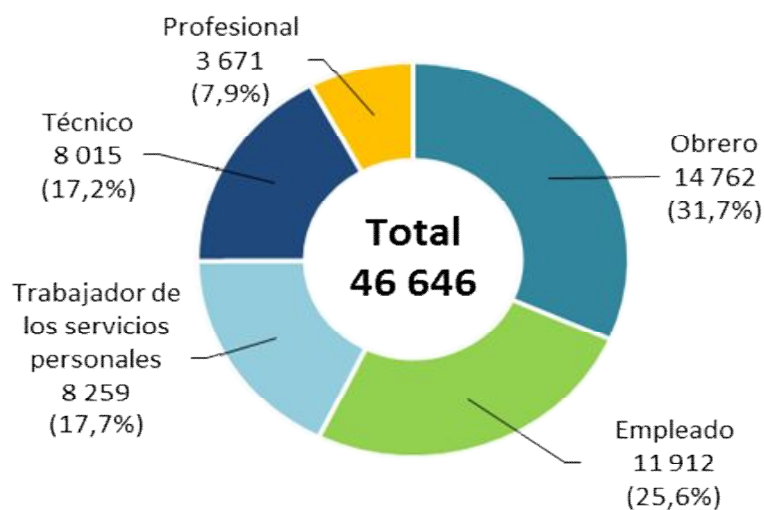
3/ Considera actividades de agencias de viajes.

4/ Incluye minería (142); bienes inmuebles (84); agricultura y ganadería (62); y, electricidad, gas y agua (33).

**Fuente:** MTPE - Encuesta de Demanda Ocupacional a empresas de 20 a más trabajadores, 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA METROPOLITANA: PERSONAL A CONTRATAR, SEGÚN GRUPO OCUPACIONAL, 2019 (Absoluto y porcentaje)



**Notas:** Lima Metropolitana incluye a la Provincia Constitucional del Callao

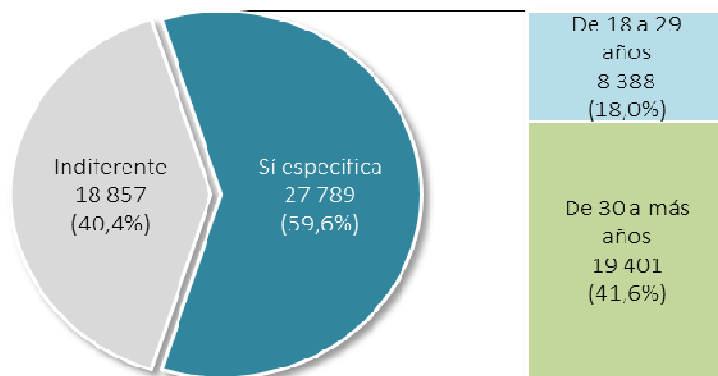
La suma de los porcentajes excede el 100% por ser respuesta múltiple.

No incluye a la categoría gerente y directivo (27) por presentar pocos casos.

**Fuente:** MTPE - Encuesta de Demanda Ocupacional a empresas de 20 a más trabajadores, 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA METROPOLITANA: PERSONAL A CONTRATAR, SEGÚN GRUPO DE EDAD (Absoluto y porcentaje)

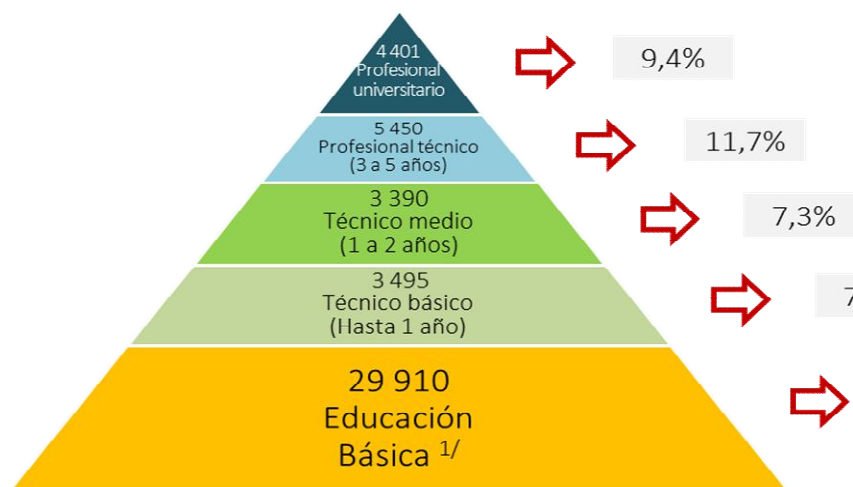


**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao

**Fuente:** MTPE - Encuesta de Demanda Ocupacional a empresas de 20 a más trabajadores, 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA METROPOLITANA: PERSONAL A CONTRATAR, SEGÚN NIVEL EDUCATIVO (Absoluto y porcentaje)



**Notas:** Lima Metropolitana incluye a la Provincia Constitucional del Callao

La suma de los porcentajes excede el 100% por ser respuesta múltiple.

<sup>1/</sup> Los trabajadores con educación básica son aquellos con estudios de primaria y secundaria.

**Fuente:** MTPE - Encuesta de Demanda Ocupacional a empresas de 20 a más trabajadores, 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA METROPOLITANA: OCUPACIONES MÁS REQUERIDAS DEL PERSONAL TÉCNICO A CONTRATAR, 2019 (Absoluto)



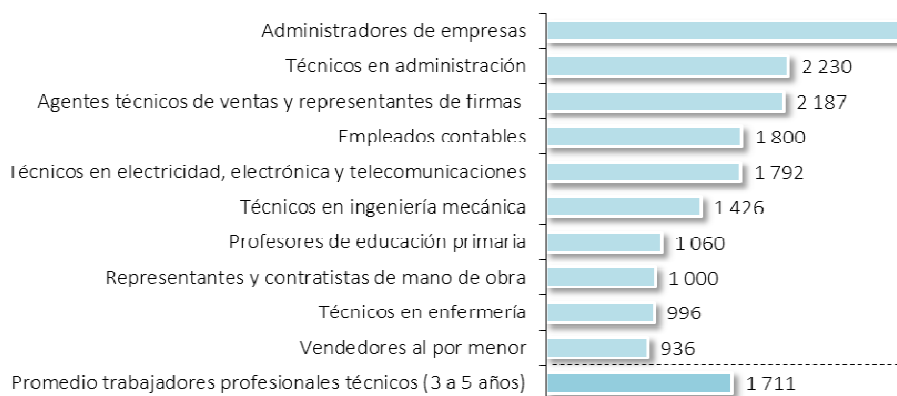
**Notas:** Lima Metropolitana incluye a la Provincia Constitucional del Callao

Los trabajadores profesionales técnicos son aquellos con estudios de 3 hasta 5 años.

**Fuente:** MTPE - Encuesta de Demanda Ocupacional a empresas de 20 a más trabajadores, 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA METROPOLITANA: REMUNERACIÓN PROMEDIO MENSUAL DE LAS OCUPACIONES MÁS REQUERIDAS DEL PERSONAL PROFESIONAL TÉCNICO A CONTRATAR, 2019 (Soles)



**Notas:** Lima Metropolitana incluye a la Provincia Constitucional del Callao

Los trabajadores profesionales técnicos son aquellos con estudios de 3 hasta 5 años.

**Fuente:** MTPE - Encuesta de Demanda Ocupacional a empresas de 20 a más trabajadores, 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

## LIMA METROPOLITANA: OCUPACIONES MÁS REQUERIDAS PARA JÓVENES

### 2019

(Absoluto)



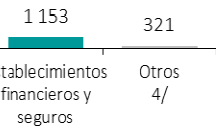
**Nota:** Lima Metropolitana incluye a la Provincia Constitucional del Callao

**Fuente:** MTPE - Encuesta de Demanda Ocupacional a empresas de 20 a más trabajadores, 2018.

**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

CIPALES

Total: 46 646  
trabajadores



ras actividades empresariales

desarrollo; entre otros.

N

E EDAD, 2019

ICATIVO, 2019

7,5%

64,1%

L PROFESIONAL

1 058

UPACIONES MÁS  
TAR, 2019

4 385

.....

S A CONTRATAR,

6 401