

**PERÚ**Ministerio de Trabajo  
y Promoción del Empleo

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## CAJAMARCA: 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 5/ |
|      |                                              | En miles de personas                     |            |               | En porcentaje        |                             |                         |
| 2004 | 959.0                                        | 789.5                                    | 777.8      | 11.7          | 82.3                 | 81.1                        | 1.5                     |
| 2005 | 973.2                                        | 800.0                                    | 790.4      | 9.5           | 82.2                 | 81.2                        | 1.2                     |
| 2006 | 985.8                                        | 828.3                                    | 816.9      | 11.4          | 84.0                 | 82.9                        | 1.4                     |
| 2007 | 997.2                                        | 812.0                                    | 795.0      | 17.0          | 81.4                 | 79.7                        | 2.1                     |
| 2008 | 1,007.8                                      | 842.6                                    | 823.9      | 18.6          | 83.6                 | 81.8                        | 2.2                     |
| 2009 | 1,018.3                                      | 832.6                                    | 816.9      | 15.7          | 81.8                 | 80.2                        | 1.9                     |
| 2010 | 1,029.3                                      | 814.5                                    | 801.7      | 12.8          | 79.1                 | 77.9                        | 1.6                     |
| 2011 | 1,040.8                                      | 819.9                                    | 803.8      | 16.1          | 78.8                 | 77.2                        | 2.0                     |
| 2012 | 1,052.5                                      | 778.4                                    | 768.1      | 10.3          | 74.0                 | 73.0                        | 1.3                     |
| 2013 | 1,064.1                                      | 814.0                                    | 791.8      | 22.2          | 76.5                 | 74.4                        | 2.7                     |
| 2014 | 1,075.6                                      | 815.1                                    | 795.9      | 19.2          | 75.8                 | 74.0                        | 2.3                     |
| 2015 | 1,086.7                                      | 823.3                                    | 801.4      | 21.8          | 75.8                 | 73.8                        | 2.6                     |
| 2016 | 1,097.5                                      | 846.9                                    | 825.6      | 21.3          | 77.2                 | 75.2                        | 2.5                     |
| 2017 | 1,108.2                                      | 887.4                                    | 870.3      | 17.0          | 80.1                 | 78.5                        | 1.9                     |
| 2018 | 1,118.6                                      | 879.1                                    | 857.6      | 21.5          | 78.6                 | 76.7                        | 2.4                     |

**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. Cifras referenciales para todos los años.

5/ 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).

## CAJAMARCA: 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 | 1.5             | 87.7      | 3.4          | 84.3               | 10.8                     | 100.0             | 789.5                               |
| 2005 | 1.2             | 86.9      | 4.1          | 82.8               | 11.9                     | 100.0             | 800.0                               |
| 2006 | 1.4             | 84.6      | 2.1          | 82.5               | 14.0                     | 100.0             | 828.3                               |
| 2007 | 2.1             | 83.3      | 8.6          | 74.7               | 14.6                     | 100.0             | 812.0                               |
| 2008 | 2.2             | 82.6      | 8.2          | 74.3               | 15.2                     | 100.0             | 842.6                               |
| 2009 | 1.9             | 77.8      | 5.5          | 72.3               | 20.3                     | 100.0             | 832.6                               |
| 2010 | 1.6             | 74.1      | 4.9          | 69.2               | 24.3                     | 100.0             | 814.5                               |
| 2011 | 2.0             | 72.6      | 6.4          | 66.2               | 25.4                     | 100.0             | 819.9                               |
| 2012 | 1.3             | 67.8      | 4.3          | 63.5               | 30.9                     | 100.0             | 778.4                               |
| 2013 | 2.7             | 68.8      | 4.3          | 64.4               | 28.5                     | 100.0             | 814.0                               |
| 2014 | 2.3             | 68.5      | 5.1          | 63.5               | 29.1                     | 100.0             | 815.1                               |
| 2015 | 2.6             | 69.1      | 4.7          | 64.5               | 28.2                     | 100.0             | 823.3                               |
| 2016 | 2.5             | 71.5      | 5.3          | 66.2               | 26.0                     | 100.0             | 846.9                               |
| 2017 | 1.9             | 70.5      | 3.7          | 66.8               | 27.5                     | 100.0             | 887.4                               |
| 2018 | 2.4             | 69.5      | 3.9          | 65.6               | 28.1                     | 100.0             | 879.1                               |

**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. Cifras referenciales para todos los años.

2/ 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 todos los años a excepción del 2007, 2008, 2010 y 2013.

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).

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

| Años | Sector público 1/ | Sector privado 2/ |                        |                             |                              |                 | Independiente | Trabajador familiar no remunerado | Trabajador del hogar 3/ | Total relativo | Total PEA ocupada (Miles de personas) |
|------|-------------------|-------------------|------------------------|-----------------------------|------------------------------|-----------------|---------------|-----------------------------------|-------------------------|----------------|---------------------------------------|
|      |                   | Total             | De 2 a 10 trabajadores | De 11 a 100 trabajadores 3/ | De 101 y más trabajadores 3/ | No especificado |               |                                   |                         |                |                                       |
| 2004 | 6.1               | 17.7              | 14.2                   | 2.0                         | 1.5                          | 0.0             | 36.4          | 37.9                              | 1.8                     | 100.0          | 777.8                                 |
| 2005 | 6.5               | 16.9              | 12.8                   | 2.4                         | 1.8                          | 0.0             | 37.0          | 37.8                              | 1.7                     | 100.0          | 790.4                                 |
| 2006 | 7.3               | 16.0              | 12.6                   | 2.0                         | 1.4                          | 0.0             | 37.7          | 37.7                              | 1.3                     | 100.0          | 816.9                                 |
| 2007 | 6.6               | 21.9              | 17.2                   | 2.9                         | 1.8                          | 0.0             | 40.0          | 29.2                              | 2.4                     | 100.0          | 795.0                                 |
| 2008 | 6.7               | 22.7              | 17.2                   | 3.1                         | 2.4                          | 0.0             | 39.7          | 29.3                              | 1.6                     | 100.0          | 823.9                                 |
| 2009 | 8.4               | 22.9              | 17.4                   | 3.9                         | 1.5                          | 0.0             | 37.8          | 28.8                              | 2.2                     | 100.0          | 816.9                                 |
| 2010 | 9.0               | 22.6              | 16.9                   | 2.5                         | 3.1                          | 0.0             | 39.3          | 27.1                              | 2.0                     | 100.0          | 801.7                                 |
| 2011 | 10.5              | 20.2              | 15.4                   | 2.5                         | 2.3                          | 0.0             | 38.7          | 29.6                              | 1.0                     | 100.0          | 803.8                                 |
| 2012 | 10.0              | 22.7              | 15.7                   | 3.9                         | 3.1                          | 0.0             | 43.1          | 23.1                              | 1.1                     | 100.0          | 768.1                                 |
| 2013 | 8.5               | 21.3              | 14.8                   | 3.4                         | 3.1                          | 0.0             | 44.8          | 24.6                              | 0.9                     | 100.0          | 791.8                                 |
| 2014 | 9.5               | 23.7              | 18.2                   | 2.7                         | 2.7                          | 0.0             | 44.6          | 20.9                              | 1.3                     | 100.0          | 795.9                                 |
| 2015 | 7.6               | 20.6              | 15.1                   | 2.9                         | 2.5                          | 0.0             | 46.9          | 24.3                              | 0.6                     | 100.0          | 801.4                                 |
| 2016 | 6.7               | 22.6              | 16.8                   | 3.1                         | 2.6                          | 0.0             | 45.9          | 23.4                              | 1.4                     | 100.0          | 825.6                                 |
| 2017 | 6.2               | 22.0              | 17.1                   | 2.8                         | 2.0                          | 0.0             | 45.7          | 24.7                              | 1.4                     | 100.0          | 870.3                                 |
| 2018 | 5.7               | 24.1              | 18.9                   | 3.4                         | 1.8                          | 0.0             | 48.4          | 20.9                              | 0.9                     | 100.0          | 857.6                                 |

**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 a excepción del 2008, 2015 y 2016.

2/ Incluye a los empleadores.

3/ 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).

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

| Años | Profesional,<br>técnico, gerente,<br>administrador y<br>funcionario 1/ | Empleado<br>de oficina 2/ | Vendedor 3/ | Agricultor, ganadero,<br>pescador, minero y<br>cantero | Artesano y<br>operario | Obrero,<br>jornalero 2/ | Conductor<br>4/ | Trabajador de<br>los servicios<br>5/ | Trabajador<br>del hogar 2/ | Total<br>relativo | PEA<br>ocupada<br>(Miles de<br>personas) |
|------|------------------------------------------------------------------------|---------------------------|-------------|--------------------------------------------------------|------------------------|-------------------------|-----------------|--------------------------------------|----------------------------|-------------------|------------------------------------------|
| 2004 | 4.8                                                                    | 1.5                       | 8.5         | 64.6                                                   | 8.6                    | 2.9                     | 2.1             | 5.2                                  | 1.8                        | 100.0             | 777.8                                    |
| 2005 | 6.2                                                                    | 1.9                       | 8.9         | 64.2                                                   | 8.6                    | 2.6                     | 1.7             | 4.3                                  | 1.7                        | 100.0             | 790.4                                    |
| 2006 | 5.7                                                                    | 1.3                       | 10.1        | 62.5                                                   | 9.9                    | 2.0                     | 2.6             | 4.7                                  | 1.3                        | 100.0             | 816.9                                    |
| 2007 | 6.8                                                                    | 2.1                       | 9.1         | 58.6                                                   | 9.1                    | 3.2                     | 2.3             | 6.4                                  | 2.4                        | 100.0             | 795.0                                    |
| 2008 | 6.2                                                                    | 2.1                       | 8.8         | 59.8                                                   | 10.7                   | 2.9                     | 2.2             | 5.7                                  | 1.6                        | 100.0             | 823.9                                    |
| 2009 | 7.7                                                                    | 3.0                       | 8.4         | 58.7                                                   | 9.5                    | 3.2                     | 1.6             | 5.6                                  | 2.2                        | 100.0             | 816.9                                    |
| 2010 | 8.6                                                                    | 2.3                       | 8.7         | 55.4                                                   | 9.0                    | 3.9                     | 2.7             | 7.3                                  | 2.0                        | 100.0             | 801.7                                    |
| 2011 | 10.0                                                                   | 2.3                       | 9.0         | 56.4                                                   | 8.1                    | 4.1                     | 2.7             | 6.5                                  | 1.0                        | 100.0             | 803.8                                    |
| 2012 | 9.8                                                                    | 3.1                       | 10.7        | 54.0                                                   | 7.9                    | 4.1                     | 3.6             | 5.8                                  | 1.1                        | 100.0             | 768.1                                    |
| 2013 | 7.6                                                                    | 3.6                       | 9.4         | 54.8                                                   | 9.6                    | 4.4                     | 4.2             | 5.5                                  | 0.9                        | 100.0             | 791.8                                    |
| 2014 | 7.9                                                                    | 2.8                       | 9.9         | 54.0                                                   | 7.9                    | 4.9                     | 5.0             | 6.4                                  | 1.3                        | 100.0             | 795.9                                    |
| 2015 | 7.8                                                                    | 2.1                       | 11.1        | 56.0                                                   | 8.0                    | 3.8                     | 5.0             | 5.6                                  | 0.6                        | 100.0             | 801.4                                    |
| 2016 | 6.9                                                                    | 2.4                       | 10.0        | 56.6                                                   | 7.9                    | 3.8                     | 4.1             | 6.9                                  | 1.4                        | 100.0             | 825.6                                    |
| 2017 | 6.5                                                                    | 2.2                       | 10.0        | 57.8                                                   | 7.1                    | 4.4                     | 3.7             | 6.9                                  | 1.4                        | 100.0             | 870.3                                    |
| 2018 | 8.0                                                                    | 2.5                       | 9.4         | 57.3                                                   | 8.0                    | 3.9                     | 3.9             | 6.1                                  | 0.9                        | 100.0             | 857.6                                    |

**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 todos los años a excepción del 2016 y 2017.

2/ Cifras referenciales para todos los años.

3/ Cifra referencial para el año 2005.

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

5/ Cifras referenciales para los años 2004 al 2006, 2008, 2009, 2011 y 2013.

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

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

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

(Porcentaje)

| Años | Asalariado<br>privado 1/ | Independiente | Empleador 2/ | Asalariado<br>público 3/ | Trabajador<br>familiar no<br>remunerado | Trabajador del<br>hogar 4/ | Total relativo | PEA ocupada<br>(Miles de<br>personas) |
|------|--------------------------|---------------|--------------|--------------------------|-----------------------------------------|----------------------------|----------------|---------------------------------------|
| 2004 | 12.2                     | 36.4          | 5.5          | 6.1                      | 37.9                                    | 1.8                        | 100.0          | 777.8                                 |
| 2005 | 12.6                     | 37.0          | 4.4          | 6.5                      | 37.8                                    | 1.7                        | 100.0          | 790.4                                 |
| 2006 | 10.4                     | 37.7          | 5.7          | 7.3                      | 37.7                                    | 1.3                        | 100.0          | 816.9                                 |
| 2007 | 18.2                     | 40.0          | 3.7          | 6.6                      | 29.2                                    | 2.4                        | 100.0          | 795.0                                 |
| 2008 | 16.4                     | 39.7          | 6.3          | 6.7                      | 29.3                                    | 1.6                        | 100.0          | 823.9                                 |
| 2009 | 18.2                     | 37.8          | 4.7          | 8.4                      | 28.8                                    | 2.2                        | 100.0          | 816.9                                 |
| 2010 | 19.1                     | 39.3          | 3.5          | 9.0                      | 27.1                                    | 2.0                        | 100.0          | 801.7                                 |
| 2011 | 17.1                     | 38.7          | 3.1          | 10.5                     | 29.6                                    | 1.0                        | 100.0          | 803.8                                 |
| 2012 | 19.1                     | 43.1          | 3.7          | 10.0                     | 23.1                                    | 1.1                        | 100.0          | 768.1                                 |
| 2013 | 17.8                     | 44.8          | 3.5          | 8.5                      | 24.6                                    | 0.9                        | 100.0          | 791.8                                 |
| 2014 | 20.4                     | 44.6          | 3.3          | 9.5                      | 20.9                                    | 1.3                        | 100.0          | 795.9                                 |
| 2015 | 18.4                     | 46.9          | 2.2          | 7.6                      | 24.3                                    | 0.6                        | 100.0          | 801.4                                 |
| 2016 | 19.5                     | 45.9          | 3.1          | 6.7                      | 23.4                                    | 1.4                        | 100.0          | 825.6                                 |
| 2017 | 19.5                     | 45.7          | 2.5          | 6.2                      | 24.7                                    | 1.5                        | 100.0          | 870.3                                 |
| 2018 | 21.1                     | 48.4          | 3.0          | 5.7                      | 20.9                                    | 0.9                        | 100.0          | 857.6                                 |

**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/ Cifras referenciales para todos los años a excepción del 2004, 2005, 2006, 2007 y 2008.

3/ Comprende a los empleados y obreros públicos. Cifras referenciales todos los años a excepción del 2008, 2015 y 2016.

4/ 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).

**CAJAMARCA: DISTRIBUCIÓN DE LA PEA OCUPADA POR RAMA DE ACTIVIDAD ECONÓMICA, 2007 - 2018**  
(Porcentaje)

| Años | Extractiva 1/ | Industria<br>Manufacturera | Construcción 2/ | Comercio | Servicios no<br>personales | Servicios<br>personales 3/ | Hogares 4/ | Total<br>relativo | PEA ocupada<br>(Miles de<br>personas) |
|------|---------------|----------------------------|-----------------|----------|----------------------------|----------------------------|------------|-------------------|---------------------------------------|
| 2007 | 59.2          | 9.2                        | 2.7             | 10.3     | 12.6                       | 3.7                        | 2.4        | 100.0             | 795.0                                 |
| 2008 | 60.2          | 9.9                        | 2.8             | 8.8      | 12.5                       | 4.2                        | 1.6        | 100.0             | 823.9                                 |
| 2009 | 59.0          | 8.8                        | 3.4             | 9.2      | 13.6                       | 3.8                        | 2.2        | 100.0             | 816.9                                 |
| 2010 | 55.9          | 8.2                        | 3.4             | 10.1     | 15.5                       | 4.8                        | 2.0        | 100.0             | 801.7                                 |
| 2011 | 56.8          | 7.3                        | 4.0             | 10.0     | 16.4                       | 4.6                        | 1.0        | 100.0             | 803.8                                 |
| 2012 | 54.9          | 6.9                        | 3.7             | 12.3     | 17.3                       | 3.8                        | 1.1        | 100.0             | 768.1                                 |
| 2013 | 55.9          | 8.9                        | 4.7             | 10.9     | 14.6                       | 4.2                        | 0.9        | 100.0             | 791.8                                 |
| 2014 | 54.4          | 7.2                        | 4.4             | 11.2     | 16.9                       | 4.6                        | 1.3        | 100.0             | 795.9                                 |
| 2015 | 56.6          | 7.5                        | 4.6             | 12.4     | 14.6                       | 3.7                        | 0.6        | 100.0             | 801.4                                 |
| 2016 | 57.1          | 7.1                        | 4.7             | 11.6     | 13.6                       | 4.5                        | 1.4        | 100.0             | 825.6                                 |
| 2017 | 58.5          | 6.2                        | 4.4             | 10.7     | 12.9                       | 5.9                        | 1.4        | 100.0             | 870.3                                 |
| 2018 | 57.9          | 6.9                        | 4.8             | 11.6     | 13.2                       | 4.6                        | 0.9        | 100.0             | 857.6                                 |

**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.

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

3/ Cifras referenciales para todos los años a excepción del 2009, 2016 y 2017.

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

| Años | 14 años 1/ | 15 a 29 años | 30 a 44 años | 45 a 64 años | 65 a más años | Total relativo | PEA ocupada (Miles de personas) |
|------|------------|--------------|--------------|--------------|---------------|----------------|---------------------------------|
| 2004 | 2.9        | 37.8         | 33.1         | 20.1         | 6.2           | 100.0          | 777.8                           |
| 2005 | 2.6        | 37.6         | 32.8         | 21.2         | 5.8           | 100.0          | 790.4                           |
| 2006 | 3.2        | 37.0         | 32.4         | 21.2         | 6.1           | 100.0          | 816.9                           |
| 2007 | 3.1        | 37.0         | 32.6         | 21.3         | 6.0           | 100.0          | 795.0                           |
| 2008 | 2.6        | 35.4         | 34.1         | 21.5         | 6.4           | 100.0          | 823.9                           |
| 2009 | 3.0        | 34.9         | 33.9         | 22.3         | 5.8           | 100.0          | 816.9                           |
| 2010 | 3.2        | 32.4         | 34.3         | 23.7         | 6.4           | 100.0          | 801.7                           |
| 2011 | 2.6        | 32.2         | 35.3         | 23.5         | 6.4           | 100.0          | 803.8                           |
| 2012 | 1.7        | 30.9         | 37.4         | 23.8         | 6.2           | 100.0          | 768.1                           |
| 2013 | 2.1        | 30.7         | 36.8         | 24.2         | 6.3           | 100.0          | 791.8                           |
| 2014 | 2.2        | 30.6         | 36.4         | 24.2         | 6.6           | 100.0          | 795.9                           |
| 2015 | 2.0        | 29.1         | 37.0         | 25.3         | 6.6           | 100.0          | 801.4                           |
| 2016 | 1.9        | 26.1         | 39.5         | 25.8         | 6.7           | 100.0          | 825.6                           |
| 2017 | 2.1        | 26.9         | 38.0         | 26.0         | 7.0           | 100.0          | 870.3                           |
| 2018 | 1.7        | 27.2         | 37.2         | 26.2         | 7.7           | 100.0          | 857.6                           |

**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 los años 2004 y 2005, 2009, 2011 al 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).



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

| Años | Sin nivel | Primaria 1/ | Secundaria | Superior no universitaria 2/ | Superior Universitaria 3/ | Total relativo | PEA ocupada (Miles de personas) |
|------|-----------|-------------|------------|------------------------------|---------------------------|----------------|---------------------------------|
| 2004 | 12.6      | 55.1        | 23.1       | 6.2                          | 3.0                       | 100.0          | 777.8                           |
| 2005 | 13.0      | 51.2        | 25.6       | 6.3                          | 4.0                       | 100.0          | 790.4                           |
| 2006 | 11.4      | 48.7        | 28.2       | 8.0                          | 3.8                       | 100.0          | 816.9                           |
| 2007 | 10.0      | 48.1        | 27.7       | 8.9                          | 5.3                       | 100.0          | 795.0                           |
| 2008 | 10.1      | 48.3        | 28.2       | 7.2                          | 6.2                       | 100.0          | 823.9                           |
| 2009 | 10.0      | 49.2        | 25.3       | 8.7                          | 6.8                       | 100.0          | 816.9                           |
| 2010 | 9.5       | 47.2        | 26.9       | 8.4                          | 8.0                       | 100.0          | 801.7                           |
| 2011 | 8.9       | 48.0        | 25.8       | 10.5                         | 6.9                       | 100.0          | 803.8                           |
| 2012 | 7.2       | 44.1        | 30.9       | 9.4                          | 8.4                       | 100.0          | 768.1                           |
| 2013 | 8.4       | 45.7        | 29.7       | 8.3                          | 7.9                       | 100.0          | 791.8                           |
| 2014 | 8.4       | 45.0        | 30.4       | 8.8                          | 7.4                       | 100.0          | 795.9                           |
| 2015 | 7.5       | 44.4        | 33.1       | 7.7                          | 7.3                       | 100.0          | 801.4                           |
| 2016 | 8.7       | 45.9        | 30.4       | 7.5                          | 7.5                       | 100.0          | 825.6                           |
| 2017 | 7.9       | 45.4        | 32.9       | 6.8                          | 7.0                       | 100.0          | 870.3                           |
| 2018 | 7.2       | 44.9        | 31.0       | 8.3                          | 8.6                       | 100.0          | 857.6                           |

**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/ Se incluye la educación básica especial para el año 2017.

2/ Cifras referenciales para los años 2004 al 2011, y 2014.

3/ Cifras referenciales para los años 2004 al 2015.

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

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

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

(Porcentaje)

| Años | Hasta 14 horas 1/ | 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 | 2.1               | 27.7          | 24.3          | 20.6     | 15.5          | 9.7            | 100.0          | 777.8                           |
| 2005 | 1.6               | 30.3          | 24.6          | 18.7     | 15.2          | 9.6            | 100.0          | 790.4                           |
| 2006 | 1.7               | 28.2          | 23.3          | 20.8     | 15.1          | 11.0           | 100.0          | 816.9                           |
| 2007 | 2.9               | 27.1          | 23.8          | 15.8     | 18.0          | 12.4           | 100.0          | 795.0                           |
| 2008 | 4.2               | 34.8          | 25.7          | 10.1     | 15.6          | 9.6            | 100.0          | 823.9                           |
| 2009 | 2.0               | 33.0          | 28.9          | 9.2      | 17.8          | 9.0            | 100.0          | 816.9                           |
| 2010 | 3.4               | 31.6          | 26.8          | 10.8     | 17.2          | 10.2           | 100.0          | 801.7                           |
| 2011 | 4.0               | 32.8          | 24.2          | 14.5     | 14.4          | 10.1           | 100.0          | 803.8                           |
| 2012 | 5.3               | 33.0          | 25.0          | 13.2     | 13.5          | 10.0           | 100.0          | 768.1                           |
| 2013 | 5.1               | 36.7          | 24.0          | 11.7     | 13.3          | 9.3            | 100.0          | 791.8                           |
| 2014 | 5.0               | 36.6          | 25.4          | 10.2     | 12.8          | 10.1           | 100.0          | 795.9                           |
| 2015 | 5.5               | 37.2          | 22.9          | 9.9      | 14.2          | 10.3           | 100.0          | 801.4                           |
| 2016 | 5.7               | 37.1          | 23.1          | 8.4      | 15.9          | 9.8            | 100.0          | 825.6                           |
| 2017 | 3.5               | 38.1          | 23.6          | 10.8     | 14.5          | 9.5            | 100.0          | 870.3                           |
| 2018 | 5.1               | 35.4          | 23.8          | 9.7      | 15.3          | 10.7           | 100.0          | 857.6                           |

**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.

1/ Cifras referenciales para los años 2004 al 2009, 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).

## CAJAMARCA: 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 a/ | De S/. 1500 a más 1/ | Total relativo | PEA ocupada (Miles de personas) |
|------|-------------|------------------|----------------------|---------------------------|----------------------|----------------|---------------------------------|
| 2004 | 37.9        | 47.6             | 9.5                  | 2.6                       | 2.4                  | 100.0          | 777.8                           |
| 2005 | 37.9        | 47.6             | 7.7                  | 4.7                       | 2.2                  | 100.0          | 790.4                           |
| 2006 | 37.7        | 44.9             | 9.6                  | 5.2                       | 2.6                  | 100.0          | 816.9                           |
| 2007 | 29.3        | 53.2             | 9.4                  | 4.2                       | 3.9                  | 100.0          | 795.0                           |
| 2008 | 29.4        | 50.5             | 10.5                 | 4.3                       | 5.4                  | 100.0          | 823.9                           |
| 2009 | 29.0        | 45.7             | 13.2                 | 5.4                       | 6.7                  | 100.0          | 816.9                           |
| 2010 | 27.2        | 42.6             | 15.4                 | 7.6                       | 7.3                  | 100.0          | 801.7                           |
| 2011 | 29.6        | 37.4             | 17.1                 | 8.6                       | 7.3                  | 100.0          | 803.8                           |
| 2012 | 23.1        | 39.9             | 17.4                 | 10.1                      | 9.6                  | 100.0          | 768.1                           |
| 2013 | 24.6        | 38.9             | 17.7                 | 9.8                       | 9.1                  | 100.0          | 791.8                           |
| 2014 | 20.9        | 41.2             | 19.5                 | 8.0                       | 10.5                 | 100.0          | 795.9                           |
| 2015 | 24.3        | 38.3             | 18.9                 | 8.1                       | 10.5                 | 100.0          | 801.4                           |
| 2016 | 23.4        | 40.7             | 17.3                 | 7.8                       | 10.8                 | 100.0          | 825.6                           |
| 2017 | 24.7        | 37.7             | 17.5                 | 9.2                       | 10.7                 | 100.0          | 870.3                           |
| 2018 | 21.0        | 39.3             | 20.3                 | 7.7                       | 11.7                 | 100.0          | 857.6                           |

**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.

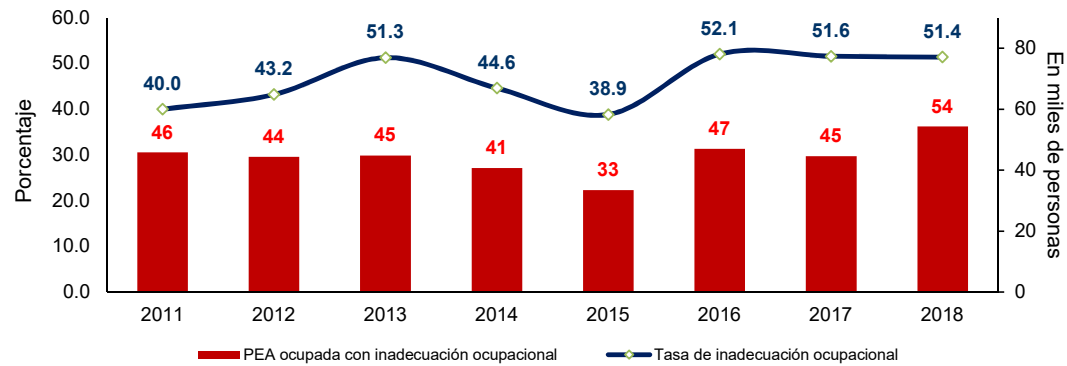
a/ Cifras referenciales para los años 2004, 2005, 2006, 2007, 2008, 2009 y 2010.

1/ Cifras referenciales para los años 2004, 2005, 2006, 2007, 2008 y 2009.

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

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

**CAJAMARCA: PEA OCUPADA CON EDUCACIÓN SUPERIOR COMPLETA INADECUADA  
OCUPADA Y 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.

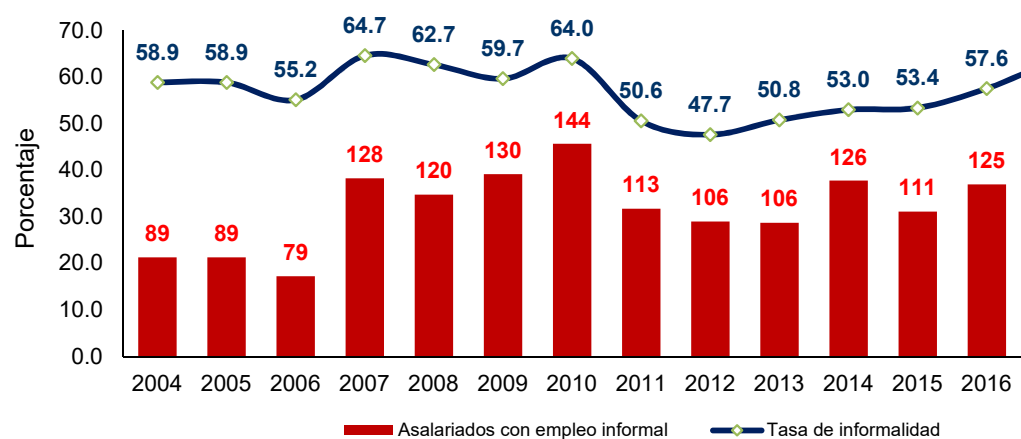
**Fuente:** INEI - Encuesta Nacional de Hogares sobre Condiciones de Vida y Pobreza, 2011 - 2018.

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

**MENTE**

## CAJAMARCA: 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 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).

**CAJAMARCA: 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).

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

| Años | Promedio | Mediana |
|------|----------|---------|
| 2004 | 411      | 263     |
| 2005 | 430      | 259     |
| 2006 | 457      | 285     |
| 2007 | 474      | 268     |
| 2008 | 552      | 288     |
| 2009 | 651      | 358     |
| 2010 | 724      | 401     |
| 2011 | 794      | 462     |
| 2012 | 812      | 473     |
| 2013 | 838      | 480     |
| 2014 | 761      | 467     |
| 2015 | 828      | 493     |
| 2016 | 806      | 457     |
| 2017 | 843      | 498     |
| 2018 | 818      | 502     |

**Notas:** Bases de datos con proyección de la población en base a los resultados del Censo de Población y Vivienda 2017.

Para el cálculo de los ingresos se excluye a los Trabajadores Familiares No Remunerados.

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).



**CAJAMARCA: 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 | 230       | 303          | 228             | 1,253                 | 411   |
| 2005 | 227       | 290          | 225             | 1,273                 | 430   |
| 2006 | 235       | 538          | 228             | 1,212                 | 457   |
| 2007 | 227       | 273          | 223             | 1,401                 | 474   |
| 2008 | 235       | 259          | 233             | 1,674                 | 552   |
| 2009 | 250       | 368          | 241             | 1,626                 | 651   |
| 2010 | 295       | 804          | 253             | 1,561                 | 724   |
| 2011 | 297       | 473          | 278             | 1,646                 | 794   |
| 2012 | 279       | 346          | 274             | 1,588                 | 812   |
| 2013 | 287       | 527          | 268             | 1,708                 | 838   |
| 2014 | 281       | 328          | 276             | 1,552                 | 761   |
| 2015 | 291       | 359          | 285             | 1,693                 | 828   |
| 2016 | 307       | 432          | 307             | 1,742                 | 806   |
| 2017 | 318       | 426          | 311             | 1,725                 | 843   |
| 2018 | 327       | 487          | 314             | 1,675                 | 818   |

**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 considera 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 todos los años a excepción del 2015.

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).

**CAJAMARCA: 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 5/ | Total |
|------|----------------|-------------------|---------------------------|-----------------------------|------------------------------|---------------|-------------------------|-------|
|      |                | Total             | 2 a 10<br>trabajadores 2/ | 11 a 100<br>trabajadores 3/ | 101 a más<br>trabajadores 4/ |               |                         |       |
| 2004 | 1,028          | 509               | 397                       | 677                         | 1,331                        | 264           | 309                     | 411   |
| 2005 | 1,081          | 552               | 428                       | 513                         | 1,507                        | 270           | 248                     | 430   |
| 2006 | 1,071          | 562               | 394                       | 706                         | 1,841                        | 299           | 304                     | 457   |
| 2007 | 1,285          | 607               | 431                       | 646                         | 2,255                        | 278           | 297                     | 474   |
| 2008 | 1,302          | 817               | 548                       | 720                         | 2,903                        | 282           | 381                     | 552   |
| 2009 | 1,552          | 799               | 606                       | 966                         | 2,542                        | 380           | 354                     | 651   |
| 2010 | 1,475          | 1,014             | 723                       | 1,495                       | 2,194                        | 402           | 430                     | 724   |
| 2011 | 1,437          | 1,118             | 858                       | 1,204                       | 2,801                        | 455           | 565                     | 794   |
| 2012 | 1,511          | 1,093             | 764                       | 1,286                       | 2,520                        | 509           | 533                     | 812   |
| 2013 | 1,777          | 1,282             | 937                       | 1,308                       | 2,903                        | 454           | 621                     | 838   |
| 2014 | 1,676          | 1,048             | 781                       | 1,726                       | 2,150                        | 419           | 535                     | 761   |
| 2015 | 1,852          | 1,171             | 820                       | 1,542                       | 2,830                        | 516           | 575                     | 828   |
| 2016 | 1,792          | 1,198             | 876                       | 1,366                       | 3,065                        | 480           | 459                     | 806   |
| 2017 | 2,070          | 1,230             | 940                       | 940                         | 3,277                        | 506           | 427                     | 843   |
| 2018 | 2,190          | 1,139             | 936                       | 1,553                       | 2,483                        | 502           | 558                     | 818   |

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

1/ Incluye a los empleadores.

2/ Cifras referenciales para los años 2005 y 2011.

3/ Cifras referenciales para los años 2004, 2006, 2008 al 2012, 2014 al 2016.

4/ Cifras referenciales para los años 2004, 2005, 2007 al 2013, y 2017.

5/ Cifra referencial para el año 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).

# CAJAMARCA: INGRESO LABORAL PROMEDIO MENSUAL DE LA PEA OCUPADA POR GRUPO OCUPACIONAL, 2004 - 2018

(Soles)

| Años | Profesional,<br>técnico, gerente,<br>administrador y<br>funcionario 1/ | Empleado<br>de oficina<br>2/ | Vendedor<br>3/ | Agricultor, ganadero,<br>pescador, minero y<br>cantero | Artesano<br>y operario<br>4/ | Obrero,<br>jornalero 5/ | Conductor<br>6/ | Trabajador de<br>los servicios<br>7/ | Trabajador<br>del hogar 8/ | Total |
|------|------------------------------------------------------------------------|------------------------------|----------------|--------------------------------------------------------|------------------------------|-------------------------|-----------------|--------------------------------------|----------------------------|-------|
| 2004 | 1,074                                                                  | 1,052                        | 483            | 259                                                    | 205                          | 543                     | 648             | 605                                  | 309                        | 411   |
| 2005 | 1,205                                                                  | 883                          | 484            | 282                                                    | 199                          | 523                     | 628             | 422                                  | 248                        | 430   |
| 2006 | 1,164                                                                  | 747                          | 455            | 299                                                    | 283                          | 555                     | 869             | 708                                  | 304                        | 457   |
| 2007 | 1,400                                                                  | 1,108                        | 414            | 315                                                    | 237                          | 416                     | 735             | 493                                  | 297                        | 474   |
| 2008 | 1,654                                                                  | 1,481                        | 503            | 341                                                    | 249                          | 510                     | 950             | 796                                  | 381                        | 552   |
| 2009 | 1,949                                                                  | 1,262                        | 490            | 411                                                    | 342                          | 704                     | 781             | 705                                  | 354                        | 651   |
| 2010 | 1,804                                                                  | 1,497                        | 653            | 460                                                    | 367                          | 770                     | 1,299           | 642                                  | 430                        | 724   |
| 2011 | 1,907                                                                  | 1,353                        | 871            | 468                                                    | 388                          | 788                     | 1,234           | 598                                  | 565                        | 794   |
| 2012 | 1,765                                                                  | 1,289                        | 968            | 516                                                    | 488                          | 861                     | 896             | 810                                  | 533                        | 812   |
| 2013 | 2,077                                                                  | 1,528                        | 1,051          | 440                                                    | 386                          | 880                     | 1,368           | 1,090                                | 621                        | 838   |
| 2014 | 1,830                                                                  | 1,873                        | 626            | 405                                                    | 509                          | 1,025                   | 1,156           | 952                                  | 535                        | 761   |
| 2015 | 2,137                                                                  | 1,417                        | 693            | 474                                                    | 637                          | 957                     | 1,274           | 1,046                                | 575                        | 828   |
| 2016 | 2,365                                                                  | 1,785                        | 656            | 449                                                    | 587                          | 945                     | 1,327           | 877                                  | 459                        | 806   |
| 2017 | 2,292                                                                  | 1,554                        | 805            | 496                                                    | 729                          | 990                     | 1,232           | 1,004                                | 427                        | 843   |
| 2018 | 2,206                                                                  | 1,816                        | 757            | 524                                                    | 582                          | 850                     | 1,019           | 764                                  | 558                        | 818   |

**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 considera 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).

1/ Cifra referencial para los años 2010 y 2011.

2/ Cifras referenciales para los años 2004 al 2008, 2010, 2013 al 2015.

3/ Cifras referenciales para los años 2004, 2005, 2008, 2010, 2011 y 2013.

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

5/ Cifras referenciales para los años 2004, 2006 y 2009.

6/ Cifras referenciales para todos los años a excepción 2007, 2013, 2014 y 2016.

7/ Cifras referenciales para todos los años a excepción 2011 y 2016.

8/ Cifra referencial para el año 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).

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

| Años | Asalariado<br>privado 1/ | Independiente | Empleador 2/ | Asalariado<br>público | Trabajador del<br>hogar 3/ | Total |
|------|--------------------------|---------------|--------------|-----------------------|----------------------------|-------|
| 2004 | 499                      | 264           | 531          | 1,028                 | 309                        | 411   |
| 2005 | 530                      | 270           | 613          | 1,081                 | 248                        | 430   |
| 2006 | 604                      | 299           | 487          | 1,071                 | 304                        | 457   |
| 2007 | 544                      | 278           | 920          | 1,285                 | 297                        | 474   |
| 2008 | 805                      | 282           | 850          | 1,302                 | 381                        | 552   |
| 2009 | 716                      | 380           | 1,119        | 1,552                 | 354                        | 651   |
| 2010 | 880                      | 402           | 1,754        | 1,475                 | 430                        | 724   |
| 2011 | 914                      | 455           | 2,255        | 1,437                 | 565                        | 794   |
| 2012 | 998                      | 509           | 1,587        | 1,511                 | 533                        | 812   |
| 2013 | 1,149                    | 454           | 1,959        | 1,777                 | 621                        | 838   |
| 2014 | 1,011                    | 419           | 1,279        | 1,676                 | 535                        | 761   |
| 2015 | 1,093                    | 516           | 1,822        | 1,852                 | 575                        | 828   |
| 2016 | 1,086                    | 480           | 1,917        | 1,792                 | 459                        | 806   |
| 2017 | 1,145                    | 506           | 1,912        | 2,070                 | 427                        | 843   |
| 2018 | 976                      | 502           | 2,272        | 2,190                 | 558                        | 818   |

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

1/ Comprende a los empleados y obreros del sector privado. Cifra referenciales para los años 2004, 2006, 2008, 2010 y 2011.

2/ Cifras referenciales para todos los años a excepción del 2006.

3/ Cifra referencial para el año 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).

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

| Años | Extractiva 1/ | Industria<br>Manufacturera 2/ | Construcción 3/ | Comercio 4/ | Servicios no<br>personales | Servicios<br>personales 5/ | Hogares 6/ | Total |
|------|---------------|-------------------------------|-----------------|-------------|----------------------------|----------------------------|------------|-------|
| 2007 | 354           | 252                           | 526             | 423         | 1,017                      | 401                        | 297        | 474   |
| 2008 | 425           | 226                           | 524             | 562         | 1,202                      | 423                        | 375        | 552   |
| 2009 | 455           | 329                           | 795             | 528         | 1,437                      | 561                        | 354        | 651   |
| 2010 | 543           | 336                           | 1,190           | 691         | 1,327                      | 432                        | 430        | 724   |
| 2011 | 581           | 334                           | 1,043           | 838         | 1,353                      | 603                        | 565        | 794   |
| 2012 | 605           | 408                           | 986             | 1,006       | 1,295                      | 569                        | 533        | 812   |
| 2013 | 580           | 328                           | 1,043           | 1,094       | 1,492                      | 902                        | 621        | 838   |
| 2014 | 457           | 411                           | 1,286           | 682         | 1,483                      | 720                        | 535        | 761   |
| 2015 | 554           | 634                           | 1,290           | 747         | 1,528                      | 728                        | 575        | 828   |
| 2016 | 510           | 561                           | 1,377           | 843         | 1,543                      | 757                        | 459        | 806   |
| 2017 | 581           | 617                           | 1,070           | 957         | 1,573                      | 870                        | 427        | 843   |
| 2018 | 575           | 418                           | 964             | 977         | 1,621                      | 788                        | 558        | 818   |

**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 considera 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.

2/ Cifras referenciales para todos los años.

3/ Cifras referenciales para los años 2007 al 2011, 2014 y 2015.

4/ Cifras referenciales para los años 2011 y 2013.

5/ Cifras referenciales para todos los años.

6/ Cifra referencial para el año 2011.

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

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

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

| Años | 14 años 1/ | 15 a 29 años 2/ | 30 a 44 años | 45 a 64 años | 65 a más años 3/ | Total |
|------|------------|-----------------|--------------|--------------|------------------|-------|
| 2004 | 226        | 342             | 526          | 362          | 213              | 411   |
| 2005 | 142        | 338             | 529          | 463          | 183              | 430   |
| 2006 | 156        | 356             | 544          | 488          | 294              | 457   |
| 2007 | 175        | 339             | 591          | 539          | 261              | 474   |
| 2008 | 198        | 425             | 731          | 519          | 240              | 552   |
| 2009 | 136        | 421             | 791          | 839          | 281              | 651   |
| 2010 | 291        | 633             | 849          | 749          | 373              | 724   |
| 2011 | 170        | 631             | 872          | 972          | 410              | 794   |
| 2012 | 320        | 707             | 846          | 967          | 471              | 812   |
| 2013 | 423        | 751             | 951          | 910          | 290              | 838   |
| 2014 | 281        | 712             | 802          | 893          | 331              | 761   |
| 2015 | 217        | 737             | 877          | 964          | 374              | 828   |
| 2016 | 172        | 636             | 930          | 885          | 342              | 806   |
| 2017 | 295        | 680             | 958          | 928          | 387              | 843   |
| 2018 | 171        | 671             | 908          | 937          | 401              | 818   |

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

1/ Cifras referenciales para todos los años.

2/ Cifra referencial para el año 2010.

3/ Cifras referenciales para los años 2004, 2006, 2011, 2012 y 2015.

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

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

**CAJAMARCA: 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 3/ | Total |
|------|--------------|-------------|------------|------------------------------|------------------------------|-------|
| 2004 | 159          | 281         | 451        | 892                          | 1,285                        | 411   |
| 2005 | 160          | 292         | 450        | 813                          | 1,433                        | 430   |
| 2006 | 186          | 327         | 467        | 1,005                        | 1,199                        | 457   |
| 2007 | 172          | 300         | 489        | 771                          | 1,532                        | 474   |
| 2008 | 160          | 298         | 512        | 1,034                        | 2,094                        | 552   |
| 2009 | 197          | 400         | 581        | 1,254                        | 1,850                        | 651   |
| 2010 | 262          | 424         | 812        | 1,002                        | 1,897                        | 724   |
| 2011 | 301          | 490         | 773        | 1,082                        | 2,299                        | 794   |
| 2012 | 256          | 550         | 756        | 1,207                        | 1,988                        | 812   |
| 2013 | 236          | 507         | 747        | 1,444                        | 2,376                        | 838   |
| 2014 | 269          | 479         | 756        | 1,186                        | 2,145                        | 761   |
| 2015 | 262          | 505         | 820        | 1,398                        | 2,235                        | 828   |
| 2016 | 295          | 485         | 803        | 1,441                        | 2,214                        | 806   |
| 2017 | 299          | 539         | 864        | 1,548                        | 2,187                        | 843   |
| 2018 | 341          | 489         | 766        | 1,473                        | 2,096                        | 818   |

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

El nivel educativo considera la educación completa e incompleta.

1/ Cifra referencial para el 2015.

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

3/ Cifras referenciales para 2004, 2005, 2006, 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).

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

| Años | Hasta 14 horas<br>1/ | De 15 a 34 horas<br>2/ | De 35 a 47 horas<br>3/ | 48 horas<br>4/ | De 49 a 59 horas<br>5/ | 60 a más<br>horas 6/ | Total |
|------|----------------------|------------------------|------------------------|----------------|------------------------|----------------------|-------|
| 2004 | 188                  | 319                    | 397                    | 339            | 474                    | 607                  | 411   |
| 2005 | 145                  | 327                    | 395                    | 391            | 423                    | 707                  | 430   |
| 2006 | 149                  | 402                    | 440                    | 382            | 447                    | 693                  | 457   |
| 2007 | 109                  | 372                    | 463                    | 415            | 513                    | 681                  | 474   |
| 2008 | 181                  | 306                    | 481                    | 611            | 690                    | 995                  | 552   |
| 2009 | 143                  | 391                    | 635                    | 714            | 762                    | 1,023                | 651   |
| 2010 | 154                  | 518                    | 805                    | 698            | 862                    | 876                  | 724   |
| 2011 | 397                  | 516                    | 859                    | 782            | 981                    | 1,044                | 794   |
| 2012 | 195                  | 586                    | 908                    | 914            | 904                    | 1,117                | 812   |
| 2013 | 309                  | 460                    | 991                    | 923            | 1,047                  | 1,192                | 838   |
| 2014 | 158                  | 481                    | 823                    | 954            | 862                    | 1,182                | 761   |
| 2015 | 164                  | 511                    | 908                    | 961            | 1,091                  | 1,198                | 828   |
| 2016 | 224                  | 534                    | 838                    | 1,000          | 903                    | 1,374                | 806   |
| 2017 | 134                  | 469                    | 841                    | 1,143          | 1,025                  | 1,295                | 843   |
| 2018 | 269                  | 528                    | 776                    | 1,077          | 961                    | 1,319                | 818   |

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

1/ Cifras referenciales para todos los años a excepción del 2010 y 2017.

2/ Cifra referencial para los años 2004, 2009, 2010, 2012 y 2013.

3/ Cifras referenciales para los años 2004 y 2011.

4/ Cifra referencial para los años 2008, 2009, 2010 y 2017.

5/ Cifra referencial para los años 2008, 2010 y 2011.

6/ Cifra referencial para los años 2008 y 2009.

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

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



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

| Años | Total | Empleo informal | Empleo formal |
|------|-------|-----------------|---------------|
| 2004 | 676   | 427             | 1,337         |
| 2005 | 717   | 431             | 1,379         |
| 2006 | 797   | 436             | 1,496         |
| 2007 | 741   | 421             | 1,728         |
| 2008 | 949   | 456             | 2,226         |
| 2009 | 980   | 532             | 1,997         |
| 2010 | 1,070 | 616             | 2,013         |
| 2011 | 1,114 | 604             | 1,916         |
| 2012 | 1,175 | 752             | 1,949         |
| 2013 | 1,352 | 911             | 2,189         |
| 2014 | 1,223 | 759             | 2,169         |
| 2015 | 1,316 | 842             | 2,265         |
| 2016 | 1,266 | 723             | 2,374         |
| 2017 | 1,367 | 903             | 2,470         |
| 2018 | 1,235 | 728             | 2,408         |

**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 ingresos.

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).

**CIUDAD DE CAJAMARCA: INDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA,  
ENERO 2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES |      | Cajamarca |               |                         |          |                           |              |
|-----------|------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           |      | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2000      | ENE. | 76.6      | 51.2          | 99.1                    | 61.7     | 67.5                      | 106.9        |
|           | FEB. | 83.0      | 56.5          | 99.8                    | 61.7     | 69.3                      | 116.2        |
|           | MAR. | 85.6      | 58.9          | 100.3                   | 63.1     | 69.3                      | 118.6        |
|           | ABR. | 85.8      | 58.8          | 98.8                    | 63.4     | 67.5                      | 120.3        |
|           | MAY. | 90.1      | 64.1          | 91.1                    | 63.9     | 68.6                      | 123.1        |
|           | JUN. | 92.3      | 65.4          | 97.7                    | 64.6     | 70.0                      | 126.6        |
|           | JUL. | 102.6     | 75.6          | 84.0                    | 65.0     | 74.2                      | 142.2        |
|           | AGO. | 104.6     | 77.2          | 79.6                    | 65.3     | 73.1                      | 146.6        |
|           | SET. | 107.4     | 80.3          | 88.2                    | 65.9     | 73.5                      | 148.5        |
|           | OCT. | 106.7     | 78.0          | 91.2                    | 65.0     | 71.6                      | 150.0        |
|           | NOV. | 102.7     | 78.4          | 75.8                    | 64.4     | 70.9                      | 140.2        |
|           | DIC. | 94.1      | 68.1          | 51.9                    | 65.2     | 74.7                      | 134.3        |
| 2001      | ENE. | 84.5      | 64.4          | 46.6                    | 65.6     | 73.1                      | 113.1        |
|           | FEB. | 87.8      | 64.8          | 43.2                    | 66.1     | 71.2                      | 122.8        |
|           | MAR. | 91.1      | 69.1          | 43.9                    | 67.0     | 71.2                      | 125.6        |
|           | ABR. | 96.1      | 69.9          | 78.4                    | 66.5     | 69.9                      | 132.4        |
|           | MAY. | 104.2     | 78.7          | 92.8                    | 67.6     | 71.2                      | 140.0        |
|           | JUN. | 112.5     | 87.7          | 91.3                    | 66.8     | 71.5                      | 151.1        |
|           | JUL. | 115.0     | 88.7          | 93.5                    | 68.6     | 71.2                      | 156.0        |
|           | AGO. | 114.2     | 92.3          | 93.7                    | 69.2     | 72.9                      | 148.6        |
|           | SET. | 109.6     | 89.2          | 89.5                    | 70.9     | 69.8                      | 140.3        |
|           | OCT. | 94.7      | 81.5          | 89.9                    | 71.3     | 69.5                      | 108.5        |
|           | NOV. | 86.5      | 74.7          | 70.8                    | 70.4     | 67.2                      | 99.0         |
|           | DIC. | 79.9      | 70.2          | 48.2                    | 70.9     | 67.4                      | 90.3         |
| 2002      | ENE. | 74.7      | 67.5          | 47.3                    | 68.9     | 69.0                      | 79.9         |
|           | FEB. | 79.6      | 70.7          | 48.5                    | 68.4     | 69.5                      | 89.1         |
|           | MAR. | 81.2      | 70.3          | 49.5                    | 68.5     | 63.2                      | 95.1         |
|           | ABR. | 90.0      | 68.2          | 65.0                    | 71.2     | 64.0                      | 117.5        |
|           | MAY. | 96.9      | 66.5          | 98.9                    | 72.6     | 66.6                      | 129.6        |
|           | JUN. | 96.1      | 57.3          | 111.3                   | 73.2     | 66.3                      | 136.3        |
|           | JUL. | 95.7      | 59.4          | 98.0                    | 72.8     | 60.8                      | 136.5        |
|           | AGO. | 95.3      | 61.5          | 75.6                    | 73.2     | 60.5                      | 137.5        |
|           | SET. | 96.5      | 62.7          | 83.8                    | 73.8     | 62.3                      | 137.4        |
|           | OCT. | 96.3      | 63.2          | 81.8                    | 73.9     | 61.2                      | 136.8        |
|           | NOV. | 92.3      | 61.4          | 59.3                    | 73.9     | 60.9                      | 133.6        |
|           | DIC. | 89.1      | 60.1          | 69.3                    | 75.7     | 60.7                      | 125.0        |
| 2003      | ENE. | 82.9      | 57.3          | 57.1                    | 76.9     | 61.4                      | 114.0        |
|           | FEB. | 82.6      | 57.8          | 65.4                    | 76.7     | 72.7                      | 109.7        |
|           | MAR. | 82.3      | 60.0          | 65.0                    | 77.4     | 78.9                      | 105.8        |
|           | ABR. | 84.7      | 61.6          | 66.4                    | 77.4     | 80.9                      | 109.5        |
|           | MAY. | 86.7      | 62.4          | 67.6                    | 78.0     | 79.9                      | 113.6        |
|           | JUN. | 90.3      | 63.3          | 66.9                    | 77.8     | 76.5                      | 122.5        |
|           | JUL. | 94.0      | 63.1          | 68.8                    | 77.5     | 84.6                      | 130.7        |
|           | AGO. | 92.1      | 59.6          | 74.0                    | 76.7     | 87.5                      | 128.6        |
|           | SET. | 90.4      | 62.9          | 80.6                    | 78.4     | 88.7                      | 118.7        |
|           | OCT. | 96.3      | 62.1          | 81.3                    | 78.3     | 90.1                      | 134.0        |
|           | NOV. | 93.5      | 61.4          | 83.3                    | 77.9     | 88.8                      | 127.6        |
|           | DIC. | 90.6      | 60.1          | 82.0                    | 79.4     | 86.3                      | 121.7        |
| 2004      | ENE. | 80.2      | 58.4          | 83.2                    | 79.2     | 89.0                      | 97.1         |
|           | FEB. | 82.9      | 64.1          | 79.0                    | 77.1     | 89.4                      | 99.8         |

**CIUDAD DE CAJAMARCA: INDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA,  
ENERO 2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES |       | Cajamarca |               |                         |          |                           |              |
|-----------|-------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           |       | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2005      | MAR.  | 84.5      | 67.7          | 75.6                    | 77.2     | 87.1                      | 101.6        |
|           | ABR.  | 90.2      | 70.7          | 81.4                    | 77.1     | 86.5                      | 112.0        |
|           | MAY.  | 94.7      | 69.3          | 89.2                    | 77.0     | 84.3                      | 123.0        |
|           | JUN.  | 97.3      | 70.3          | 106.0                   | 76.3     | 84.7                      | 124.8        |
|           | JUL.  | 97.7      | 71.1          | 108.1                   | 76.8     | 79.5                      | 125.3        |
|           | AGO.  | 85.3      | 71.7          | 87.1                    | 76.9     | 79.5                      | 98.4         |
|           | SET.  | 92.3      | 72.3          | 99.9                    | 76.9     | 76.8                      | 112.9        |
|           | OCT.  | 91.5      | 72.6          | 106.7                   | 77.3     | 79.8                      | 108.7        |
|           | NOV.  | 93.2      | 73.9          | 105.8                   | 78.8     | 82.9                      | 111.1        |
|           | DIC.  | 91.5      | 74.6          | 85.2                    | 74.7     | 85.3                      | 111.3        |
|           | ENE.  | 83.5      | 70.6          | 83.2                    | 74.5     | 87.7                      | 95.8         |
|           | FEB.  | 85.6      | 78.6          | 77.4                    | 76.1     | 86.9                      | 94.8         |
| 2006      | MAR.  | 86.2      | 82.3          | 71.7                    | 74.7     | 84.8                      | 95.3         |
|           | ABR.  | 90.9      | 85.2          | 83.5                    | 74.3     | 86.5                      | 101.3        |
|           | MAY.  | 100.2     | 87.2          | 102.0                   | 75.8     | 88.1                      | 116.6        |
|           | JUN.  | 104.4     | 92.9          | 105.8                   | 75.3     | 87.0                      | 121.6        |
|           | JUL.  | 101.8     | 94.2          | 118.9                   | 77.5     | 91.4                      | 110.1        |
|           | AGO.  | 97.6      | 93.9          | 107.8                   | 80.0     | 94.4                      | 102.4        |
|           | SET.  | 91.6      | 97.2          | 79.1                    | 80.2     | 94.7                      | 92.9         |
|           | OCT.  | 92.7      | 96.5          | 85.4                    | 79.9     | 96.6                      | 94.3         |
|           | NOV.  | 91.3      | 94.4          | 78.3                    | 82.6     | 97.3                      | 93.7         |
|           | DIC.  | 94.5      | 93.2          | 85.9                    | 83.3     | 96.3                      | 100.1        |
|           | ENE.  | 90.1      | 90.2          | 86.6                    | 81.3     | 95.5                      | 92.4         |
|           | FEB.  | 91.0      | 92.9          | 88.5                    | 82.6     | 95.2                      | 91.9         |
| 2007      | MAR.  | 90.9      | 93.6          | 82.4                    | 83.0     | 90.9                      | 93.1         |
|           | ABR.  | 92.8      | 94.8          | 84.0                    | 82.6     | 88.9                      | 96.6         |
|           | MAY.  | 96.3      | 94.8          | 99.4                    | 84.5     | 88.6                      | 100.5        |
|           | JUN.  | 99.1      | 93.8          | 106.2                   | 85.2     | 90.6                      | 105.9        |
|           | JUL.  | 98.7      | 94.9          | 100.0                   | 84.9     | 92.8                      | 105.4        |
|           | AGO.  | 100.5     | 94.7          | 124.3                   | 85.6     | 93.8                      | 104.0        |
|           | SET.  | 98.9      | 95.2          | 116.5                   | 84.9     | 97.7                      | 101.2        |
|           | OCT.  | 101.8     | 95.5          | 108.5                   | 83.8     | 97.2                      | 110.2        |
|           | NOV.  | 102.4     | 96.3          | 101.3                   | 84.7     | 97.5                      | 112.5        |
|           | DIC.  | 103.4     | 96.7          | 102.7                   | 86.2     | 96.4                      | 114.0        |
|           | ENE.  | 94.6      | 91.5          | 111.3                   | 84.6     | 97.5                      | 95.4         |
|           | FEB.  | 91.5      | 94.1          | 111.2                   | 87.0     | 96.4                      | 86.0         |
| 2008      | MAR.  | 91.7      | 90.6          | 120.0                   | 90.2     | 94.1                      | 86.6         |
|           | ABR.  | 91.9      | 90.9          | 112.7                   | 89.9     | 93.5                      | 88.8         |
|           | MAY.  | 92.6      | 91.2          | 108.0                   | 90.7     | 95.3                      | 90.7         |
|           | JUN.  | 92.7      | 90.8          | 114.8                   | 89.4     | 94.0                      | 90.2         |
|           | JUL.  | 94.7      | 91.8          | 129.5                   | 90.4     | 97.0                      | 90.4         |
|           | AGO.  | 99.2      | 94.2          | 148.7                   | 91.0     | 98.6                      | 94.5         |
|           | SET.  | 105.5     | 94.8          | 206.6                   | 91.3     | 99.8                      | 96.3         |
|           | OCT.  | 109.6     | 96.2          | 230.0                   | 92.4     | 101.4                     | 99.2         |
|           | NOV.  | 113.7     | 96.6          | 244.0                   | 94.0     | 101.4                     | 104.9        |
|           | DIC.  | 109.3     | 94.9          | 217.6                   | 95.3     | 103.1                     | 101.0        |
|           | ENE.  | 99.5      | 90.7          | 186.0                   | 96.7     | 106.6                     | 88.0         |
|           | FEB.  | 99.6      | 94.1          | 174.1                   | 96.3     | 99.9                      | 88.8         |
| MAR.      | 100.2 | 101.1     | 154.6         | 95.9                    | 103.4    | 88.9                      |              |
| ABR.      | 99.5  | 97.7      | 137.5         | 96.0                    | 105.7    | 93.0                      |              |

**CIUDAD DE CAJAMARCA: INDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA,  
ENERO 2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES | Cajamarca |               |                         |          |                           |              |
|-----------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2009 MAY. | 103.4     | 105.2         | 133.0                   | 96.0     | 105.3                     | 97.4         |
| JUN.      | 102.2     | 103.6         | 122.9                   | 97.3     | 105.4                     | 97.7         |
| JUL.      | 101.8     | 100.3         | 117.6                   | 97.5     | 105.3                     | 99.9         |
| AGO.      | 101.7     | 99.8          | 123.2                   | 100.2    | 104.3                     | 98.0         |
| SET.      | 100.2     | 98.1          | 119.5                   | 100.8    | 105.3                     | 96.6         |
| OCT.      | 102.5     | 101.9         | 123.5                   | 99.5     | 105.3                     | 98.5         |
| NOV.      | 103.0     | 101.0         | 122.0                   | 97.3     | 105.5                     | 101.2        |
| DIC.      | 102.7     | 98.7          | 118.0                   | 97.5     | 106.7                     | 103.1        |
| 2009 ENE. | 90.6      | 95.5          | 80.4                    | 97.3     | 105.8                     | 86.1         |
| FEB.      | 85.6      | 94.8          | 85.0                    | 96.1     | 97.0                      | 75.1         |
| MAR.      | 85.9      | 91.5          | 84.2                    | 96.3     | 95.4                      | 78.6         |
| ABR.      | 89.4      | 91.8          | 80.0                    | 96.9     | 97.0                      | 87.0         |
| MAY.      | 92.9      | 92.0          | 82.2                    | 95.8     | 94.8                      | 95.1         |
| JUN.      | 93.3      | 90.4          | 84.1                    | 97.5     | 93.1                      | 96.6         |
| JUL.      | 92.0      | 88.2          | 82.5                    | 94.9     | 93.2                      | 96.0         |
| AGO.      | 91.2      | 88.7          | 81.3                    | 96.0     | 93.5                      | 93.8         |
| SET.      | 90.6      | 89.4          | 81.0                    | 96.5     | 94.0                      | 92.0         |
| OCT.      | 93.1      | 89.7          | 76.1                    | 98.9     | 95.6                      | 98.0         |
| NOV.      | 94.2      | 91.2          | 77.8                    | 99.9     | 94.5                      | 98.9         |
| DIC.      | 95.7      | 92.3          | 89.4                    | 96.9     | 96.0                      | 99.8         |
| 2010 ENE. | 86.2      | 90.2          | 89.3                    | 96.0     | 94.5                      | 78.4         |
| FEB.      | 86.5      | 90.8          | 91.7                    | 95.7     | 93.3                      | 78.2         |
| MAR.      | 88.4      | 90.9          | 93.2                    | 94.8     | 93.9                      | 82.7         |
| ABR.      | 93.3      | 91.8          | 93.5                    | 94.8     | 95.6                      | 93.7         |
| MAY.      | 94.7      | 92.5          | 95.8                    | 95.1     | 95.1                      | 96.0         |
| JUN.      | 96.2      | 94.9          | 93.7                    | 96.4     | 96.7                      | 97.7         |
| JUL.      | 97.7      | 96.6          | 94.5                    | 96.2     | 96.9                      | 99.9         |
| AGO.      | 96.8      | 98.5          | 92.0                    | 95.8     | 99.1                      | 96.7         |
| SET.      | 98.6      | 100.2         | 97.8                    | 98.0     | 99.7                      | 97.4         |
| OCT.      | 100.0     | 100.0         | 100.0                   | 100.0    | 100.0                     | 100.0        |
| NOV.      | 102.8     | 102.1         | 101.0                   | 102.4    | 99.3                      | 104.6        |
| DIC.      | 99.1      | 103.9         | 60.4                    | 104.2    | 98.7                      | 105.0        |
| 2011 ENE. | 92.8      | 103.4         | 62.5                    | 101.3    | 99.0                      | 89.6         |
| FEB.      | 93.2      | 104.3         | 61.6                    | 105.6    | 96.7                      | 89.3         |
| MAR.      | 97.0      | 104.5         | 70.6                    | 108.5    | 96.7                      | 95.7         |
| ABR.      | 100.1     | 104.8         | 76.5                    | 107.4    | 95.7                      | 102.2        |
| MAY.      | 103.2     | 108.7         | 68.0                    | 109.4    | 97.4                      | 108.5        |
| JUN.      | 104.8     | 110.9         | 60.9                    | 112.5    | 97.5                      | 111.7        |
| JUL.      | 104.6     | 110.1         | 61.8                    | 110.2    | 99.8                      | 111.9        |
| AGO.      | 103.9     | 109.3         | 62.6                    | 110.2    | 101.1                     | 110.2        |
| SET.      | 104.9     | 110.2         | 62.4                    | 112.1    | 103.5                     | 111.1        |
| OCT.      | 108.0     | 113.6         | 64.5                    | 113.3    | 105.2                     | 115.1        |
| NOV.      | 110.3     | 113.4         | 65.7                    | 120.6    | 106.9                     | 118.3        |
| DIC.      | 110.5     | 114.1         | 65.2                    | 120.2    | 105.9                     | 118.7        |
| 2012 ENE. | 103.1     | 109.4         | 63.8                    | 121.0    | 106.6                     | 103.8        |
| FEB.      | 101.2     | 111.3         | 67.5                    | 118.4    | 105.3                     | 97.5         |
| MAR.      | 104.2     | 111.2         | 66.2                    | 119.1    | 105.6                     | 105.1        |
| ABR.      | 109.9     | 114.4         | 66.4                    | 119.1    | 106.7                     | 116.9        |
| MAY.      | 113.9     | 115.0         | 68.2                    | 128.0    | 107.3                     | 123.7        |
| JUN.      | 115.1     | 113.2         | 71.3                    | 130.7    | 108.4                     | 126.1        |

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FORMALES DE 10 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA,  
ENERO 2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES | Cajamarca |               |                         |          |                           |              |
|-----------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2013 JUL. | 113.4     | 108.4         | 71.1                    | 131.0    | 108.5                     | 125.6        |
| AGO.      | 112.6     | 110.5         | 68.8                    | 129.4    | 110.0                     | 122.7        |
| SET.      | 110.9     | 108.8         | 66.0                    | 128.7    | 112.6                     | 120.1        |
| OCT.      | 105.7     | 92.1          | 64.6                    | 129.5    | 111.9                     | 120.1        |
| NOV.      | 105.9     | 89.8          | 62.8                    | 138.9    | 109.9                     | 120.7        |
| DIC.      | 105.4     | 87.6          | 66.4                    | 142.0    | 108.0                     | 119.4        |
| ENE.      | 98.3      | 87.4          | 65.1                    | 140.1    | 107.3                     | 102.8        |
| FEB.      | 92.7      | 81.0          | 64.2                    | 138.8    | 106.6                     | 94.4         |
| MAR.      | 94.4      | 80.3          | 64.7                    | 137.4    | 109.2                     | 99.0         |
| ABR.      | 96.8      | 79.5          | 68.6                    | 135.0    | 110.4                     | 105.0        |
| MAY.      | 96.8      | 78.7          | 68.0                    | 135.6    | 106.8                     | 106.3        |
| JUN.      | 97.3      | 78.6          | 67.4                    | 135.0    | 100.4                     | 109.1        |
| JUL.      | 96.0      | 75.9          | 67.1                    | 133.8    | 100.8                     | 108.1        |
| AGO.      | 94.3      | 75.2          | 57.8                    | 133.8    | 100.9                     | 107.4        |
| SET.      | 91.3      | 74.0          | 56.3                    | 136.3    | 100.7                     | 100.4        |
| OCT.      | 94.3      | 73.6          | 55.7                    | 143.9    | 101.0                     | 106.3        |
| NOV.      | 93.8      | 72.6          | 55.9                    | 137.8    | 100.6                     | 107.5        |
| DIC.      | 93.5      | 71.9          | 62.7                    | 134.8    | 99.0                      | 106.5        |
| 2014 ENE. | 88.3      | 71.9          | 60.9                    | 136.3    | 97.7                      | 93.7         |
| FEB.      | 83.6      | 70.4          | 58.8                    | 132.0    | 96.5                      | 85.1         |
| MAR.      | 84.5      | 69.8          | 59.8                    | 129.7    | 96.7                      | 88.2         |
| ABR.      | 86.4      | 68.3          | 60.9                    | 129.4    | 94.5                      | 94.2         |
| MAY.      | 87.9      | 67.9          | 61.0                    | 128.3    | 93.0                      | 99.0         |
| JUN.      | 88.0      | 68.3          | 60.7                    | 124.7    | 91.3                      | 100.7        |
| JUL.      | 88.2      | 68.4          | 61.8                    | 123.9    | 92.5                      | 101.0        |
| AGO.      | 87.6      | 67.6          | 59.5                    | 122.6    | 94.2                      | 100.8        |
| SET.      | 86.8      | 67.8          | 58.3                    | 122.6    | 96.6                      | 98.5         |
| OCT.      | 89.2      | 67.1          | 58.1                    | 121.7    | 99.3                      | 105.0        |
| NOV.      | 88.4      | 67.3          | 55.7                    | 123.2    | 102.3                     | 102.5        |
| DIC.      | 88.1      | 66.2          | 57.3                    | 127.7    | 102.0                     | 100.5        |
| 2015 ENE. | 82.4      | 64.8          | 56.9                    | 126.6    | 102.3                     | 87.3         |
| FEB.      | 79.4      | 61.9          | 54.8                    | 125.7    | 104.7                     | 82.4         |
| MAR.      | 80.0      | 61.8          | 54.3                    | 125.0    | 104.6                     | 84.3         |
| ABR.      | 84.6      | 61.5          | 55.5                    | 124.9    | 105.1                     | 96.1         |
| MAY.      | 86.1      | 61.5          | 56.3                    | 125.8    | 105.1                     | 99.4         |
| JUN.      | 87.5      | 60.8          | 56.7                    | 123.9    | 108.0                     | 103.7        |
| JUL.      | 88.1      | 60.4          | 57.3                    | 123.2    | 107.5                     | 105.6        |
| AGO.      | 88.3      | 60.1          | 57.6                    | 124.1    | 108.4                     | 105.8        |
| SET.      | 85.9      | 59.5          | 52.8                    | 121.0    | 105.4                     | 103.1        |
| OCT.      | 85.7      | 58.6          | 52.9                    | 119.9    | 104.1                     | 103.8        |
| NOV.      | 85.9      | 58.5          | 51.0                    | 118.4    | 103.6                     | 105.6        |
| DIC.      | 86.8      | 58.0          | 52.3                    | 119.9    | 104.9                     | 107.1        |
| 2016 ENE. | 81.8      | 56.1          | 53.5                    | 121.7    | 104.3                     | 94.6         |
| FEB.      | 78.2      | 55.5          | 53.5                    | 119.7    | 105.9                     | 86.2         |
| MAR.      | 79.6      | 55.1          | 51.3                    | 120.4    | 107.3                     | 90.1         |
| ABR.      | 81.6      | 54.3          | 51.0                    | 117.8    | 104.1                     | 97.5         |
| MAY.      | 83.6      | 54.5          | 49.9                    | 120.6    | 105.2                     | 101.7        |
| JUN.      | 83.6      | 54.0          | 49.2                    | 120.5    | 104.6                     | 102.5        |
| JUL.      | 83.7      | 53.8          | 50.0                    | 118.4    | 105.3                     | 103.3        |
| AGO.      | 82.1      | 54.1          | 43.0                    | 117.9    | 105.9                     | 100.9        |

**CIUDAD DE CAJAMARCA: INDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA,  
ENERO 2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES | Cajamarca |               |                         |          |                           |              |
|-----------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2017 SET. | 82.4      | 55.6          | 43.2                    | 115.7    | 110.5                     | 100.8        |
| OCT.      | 85.7      | 58.4          | 45.4                    | 117.8    | 111.9                     | 105.5        |
| NOV.      | 85.2      | 58.3          | 45.2                    | 118.6    | 111.5                     | 104.3        |
| DIC.      | 85.5      | 58.2          | 47.1                    | 119.3    | 110.6                     | 104.3        |
| ENE.      | 77.6      | 57.3          | 45.9                    | 118.7    | 110.1                     | 85.4         |
| FEB.      | 77.1      | 57.6          | 47.5                    | 118.8    | 108.9                     | 83.5         |
| MAR.      | 78.7      | 57.6          | 47.4                    | 118.7    | 108.9                     | 87.8         |
| ABR.      | 82.7      | 57.3          | 48.5                    | 119.3    | 108.8                     | 97.9         |
| MAY.      | 82.6      | 57.2          | 47.4                    | 121.2    | 107.2                     | 97.6         |
| JUN.      | 83.9      | 57.2          | 49.2                    | 119.4    | 110.3                     | 100.4        |
| JUL.      | 84.0      | 56.7          | 49.4                    | 118.4    | 108.3                     | 101.6        |
| AGO.      | 81.6      | 56.1          | 48.1                    | 118.1    | 109.1                     | 96.2         |
| 2018 SET. | 81.5      | 56.0          | 46.0                    | 117.2    | 107.5                     | 97.2         |
| OCT.      | 83.5      | 56.3          | 46.0                    | 116.4    | 106.8                     | 102.6        |
| NOV.      | 83.2      | 56.6          | 46.6                    | 114.2    | 107.6                     | 102.4        |
| DIC.      | 83.0      | 55.6          | 46.1                    | 114.3    | 109.5                     | 102.2        |
| ENE.      | 77.3      | 54.1          | 45.3                    | 113.8    | 109.1                     | 88.9         |
| FEB.      | 75.1      | 54.1          | 51.4                    | 112.0    | 106.9                     | 82.3         |
| MAR.      | 76.5      | 53.7          | 49.9                    | 111.3    | 107.7                     | 86.6         |
| ABR.      | 79.6      | 53.9          | 51.9                    | 111.5    | 107.8                     | 93.9         |
| MAY.      | 81.2      | 53.7          | 51.8                    | 111.5    | 107.5                     | 98.4         |
| JUN.      | 81.3      | 53.2          | 51.7                    | 111.5    | 106.5                     | 99.3         |
| JUL.      | 80.5      | 52.6          | 52.3                    | 109.3    | 103.8                     | 98.9         |
| AGO.      | 79.2      | 52.3          | 53.7                    | 110.0    | 107.0                     | 94.2         |
| 2019 SET. | 80.8      | 52.1          | 53.9                    | 110.5    | 106.8                     | 98.4         |
| OCT.      | 81.6      | 52.6          | 54.6                    | 110.0    | 106.6                     | 100.1        |
| NOV.      | 81.8      | 52.0          | 55.5                    | 110.2    | 109.3                     | 100.4        |
| DIC.      | 82.3      | 51.8          | 57.5                    | 111.8    | 111.7                     | 100.1        |
| ENE.      | 74.0      | 51.1          | 55.7                    | 111.6    | 107.7                     | 79.9         |
| FEB.      | 73.1      | 51.1          | 55.8                    | 108.4    | 106.9                     | 78.9         |
| MAR.      | 75.0      | 50.9          | 54.2                    | 108.0    | 107.4                     | 84.6         |
| ABR.      | 78.8      | 54.3          | 54.9                    | 107.4    | 104.4                     | 93.2         |
| MAY.      | 80.6      | 55.0          | 55.5                    | 107.7    | 104.5                     | 97.2         |
| JUN.      | 80.9      | 54.6          | 53.9                    | 109.5    | 107.1                     | 97.6         |
| JUL.      | 80.2      | 54.6          | 50.4                    | 111.0    | 103.3                     | 96.8         |
| AGO. P/   | 78.1      | 54.0          | 50.2                    | 110.1    | 105.3                     | 91.5         |

**Nota:** La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en enero 2000.

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).

**CIUDAD DE CAJAMARCA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A 49 TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO  
2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES | Cajamarca |               |                         |          |                           |              |
|-----------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2000 ENE. | 51.7      | 59.5          | 31.1                    | 62.3     | 65.4                      | 53.3         |
| FEB.      | 55.9      | 73.9          | 29.8                    | 62.3     | 67.0                      | 59.7         |
| MAR.      | 56.7      | 77.5          | 29.2                    | 63.7     | 67.0                      | 60.4         |
| ABR.      | 57.8      | 78.1          | 28.5                    | 64.0     | 65.4                      | 62.7         |
| MAY.      | 59.8      | 81.7          | 30.3                    | 64.5     | 66.4                      | 65.6         |
| JUN.      | 60.6      | 81.7          | 30.1                    | 65.2     | 67.7                      | 66.8         |
| JUL.      | 61.4      | 84.6          | 29.6                    | 65.7     | 71.8                      | 67.1         |
| AGO.      | 61.0      | 84.6          | 26.1                    | 66.0     | 70.8                      | 67.4         |
| SET.      | 61.7      | 82.7          | 32.0                    | 66.6     | 71.1                      | 66.8         |
| OCT.      | 61.3      | 76.4          | 33.0                    | 65.7     | 69.2                      | 67.2         |
| NOV.      | 59.8      | 68.0          | 27.5                    | 65.1     | 68.6                      | 67.9         |
| DIC.      | 57.6      | 58.5          | 20.1                    | 65.8     | 72.3                      | 67.7         |
| 2001 ENE. | 54.2      | 52.0          | 17.3                    | 66.3     | 70.8                      | 62.7         |
| FEB.      | 54.4      | 73.7          | 15.6                    | 66.7     | 68.9                      | 62.2         |
| MAR.      | 55.9      | 94.6          | 15.9                    | 67.7     | 68.9                      | 62.5         |
| ABR.      | 60.0      | 97.9          | 25.1                    | 67.2     | 67.7                      | 66.2         |
| MAY.      | 62.6      | 88.9          | 33.2                    | 68.4     | 68.9                      | 69.0         |
| JUN.      | 62.3      | 89.5          | 31.1                    | 67.4     | 69.2                      | 69.5         |
| JUL.      | 63.5      | 87.3          | 34.0                    | 69.4     | 68.9                      | 70.3         |
| AGO.      | 63.9      | 89.4          | 34.1                    | 69.6     | 70.6                      | 70.4         |
| SET.      | 64.2      | 91.6          | 30.3                    | 72.2     | 67.5                      | 71.9         |
| OCT.      | 63.9      | 82.9          | 30.6                    | 72.8     | 67.3                      | 71.4         |
| NOV.      | 61.2      | 76.0          | 30.0                    | 71.3     | 65.0                      | 67.4         |
| DIC.      | 59.7      | 63.7          | 22.9                    | 71.9     | 65.2                      | 68.0         |
| 2002 ENE. | 54.7      | 44.2          | 22.2                    | 69.6     | 66.8                      | 59.8         |
| FEB.      | 55.1      | 76.0          | 23.2                    | 69.0     | 67.3                      | 57.5         |
| MAR.      | 56.0      | 101.4         | 23.8                    | 70.2     | 61.2                      | 58.2         |
| ABR.      | 61.3      | 101.4         | 32.0                    | 71.3     | 61.9                      | 66.3         |
| MAY.      | 64.9      | 108.6         | 47.1                    | 71.9     | 64.4                      | 68.2         |
| JUN.      | 67.4      | 108.6         | 60.0                    | 72.7     | 64.1                      | 70.4         |
| JUL.      | 68.9      | 131.1         | 63.4                    | 72.0     | 58.8                      | 72.4         |
| AGO.      | 70.7      | 162.9         | 63.0                    | 72.5     | 58.6                      | 73.3         |
| SET.      | 77.5      | 167.2         | 63.0                    | 73.1     | 60.3                      | 85.1         |
| OCT.      | 78.3      | 178.6         | 62.2                    | 73.1     | 59.2                      | 86.8         |
| NOV.      | 77.4      | 91.1          | 76.4                    | 73.1     | 59.0                      | 87.9         |
| DIC.      | 77.7      | 86.3          | 81.9                    | 75.3     | 58.7                      | 87.2         |
| 2003 ENE. | 70.0      | 96.0          | 45.2                    | 76.7     | 59.4                      | 74.4         |
| FEB.      | 73.8      | 86.3          | 65.1                    | 76.4     | 70.4                      | 76.4         |
| MAR.      | 74.9      | 86.3          | 63.7                    | 77.2     | 76.3                      | 76.5         |
| ABR.      | 79.2      | 109.3         | 68.9                    | 77.2     | 78.2                      | 82.9         |
| MAY.      | 80.9      | 133.7         | 71.6                    | 77.8     | 77.3                      | 84.5         |
| JUN.      | 80.9      | 128.0         | 69.9                    | 77.6     | 74.0                      | 86.5         |
| JUL.      | 83.6      | 132.3         | 73.4                    | 77.8     | 83.9                      | 88.3         |
| AGO.      | 81.8      | 135.2         | 76.6                    | 76.9     | 86.8                      | 83.6         |
| SET.      | 83.9      | 130.9         | 88.5                    | 78.8     | 87.6                      | 84.6         |
| OCT.      | 83.6      | 123.7         | 76.2                    | 78.7     | 89.9                      | 86.0         |
| NOV.      | 84.6      | 119.4         | 78.6                    | 78.2     | 88.4                      | 88.2         |
| DIC.      | 84.8      | 119.4         | 76.6                    | 79.9     | 85.3                      | 88.8         |
| 2004 ENE. | 75.8      | 77.7          | 73.1                    | 79.6     | 88.7                      | 73.1         |
| FEB.      | 76.8      | 112.2         | 69.9                    | 77.3     | 89.6                      | 75.2         |
| MAR.      | 75.4      | 130.9         | 71.0                    | 77.4     | 86.7                      | 72.1         |
| ABR.      | 77.9      | 136.6         | 76.1                    | 77.3     | 85.8                      | 76.2         |
| MAY.      | 81.0      | 149.2         | 78.8                    | 77.1     | 84.2                      | 81.2         |
| JUN.      | 86.6      | 149.2         | 80.0                    | 76.3     | 85.2                      | 91.4         |
| JUL.      | 86.8      | 160.8         | 76.9                    | 77.3     | 76.9                      | 93.4         |
| AGO.      | 83.9      | 162.4         | 75.8                    | 77.1     | 75.6                      | 88.4         |
| SET.      | 84.6      | 162.4         | 78.0                    | 77.3     | 75.6                      | 89.1         |
| OCT.      | 85.8      | 159.0         | 85.3                    | 77.8     | 77.7                      | 89.3         |
| NOV.      | 86.8      | 155.6         | 82.3                    | 79.6     | 82.8                      | 89.7         |
| DIC.      | 87.8      | 169.2         | 82.3                    | 78.2     | 83.9                      | 91.7         |
| 2005 ENE. | 75.5      | 169.2         | 81.5                    | 78.1     | 83.9                      | 71.0         |
| FEB.      | 76.0      | 169.2         | 81.2                    | 79.8     | 82.6                      | 71.5         |
| MAR.      | 75.3      | 189.5         | 75.4                    | 79.1     | 79.3                      | 71.6         |
| ABR.      | 79.9      | 179.3         | 77.2                    | 79.0     | 83.1                      | 78.4         |
| MAY.      | 82.0      | 192.9         | 83.8                    | 81.0     | 82.8                      | 80.1         |

**CIUDAD DE CAJAMARCA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A 49 TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO  
2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES | Cajamarca |               |                         |          |                           |              |
|-----------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| JUN.      | 82.5      | 196.2         | 86.1                    | 80.8     | 80.2                      | 81.0         |
| JUL.      | 81.5      | 175.9         | 87.3                    | 83.5     | 80.8                      | 78.4         |
| AGO.      | 80.4      | 175.9         | 89.4                    | 86.8     | 80.5                      | 75.4         |
| SET.      | 78.6      | 186.1         | 91.9                    | 87.0     | 78.6                      | 72.2         |
| OCT.      | 85.3      | 169.2         | 95.9                    | 87.7     | 79.7                      | 81.9         |
| NOV.      | 86.9      | 196.2         | 98.1                    | 90.7     | 79.9                      | 82.9         |
| DIC.      | 90.5      | 196.2         | 96.4                    | 91.6     | 79.1                      | 88.8         |
| 2006 ENE. | 85.1      | 189.5         | 90.5                    | 89.0     | 78.6                      | 81.8         |
| FEB.      | 85.8      | 199.6         | 97.8                    | 90.6     | 79.9                      | 80.9         |
| MAR.      | 83.5      | 203.0         | 99.1                    | 91.1     | 74.7                      | 77.7         |
| ABR.      | 86.4      | 199.6         | 97.2                    | 90.6     | 72.5                      | 83.2         |
| MAY.      | 88.5      | 206.4         | 96.7                    | 93.1     | 73.0                      | 85.6         |
| JUN.      | 90.5      | 206.4         | 96.4                    | 93.8     | 73.0                      | 88.8         |
| JUL.      | 89.2      | 203.7         | 98.1                    | 93.4     | 73.8                      | 86.4         |
| AGO.      | 89.6      | 196.9         | 101.7                   | 94.4     | 75.2                      | 86.1         |
| SET.      | 90.5      | 213.9         | 94.9                    | 93.3     | 80.5                      | 88.1         |
| OCT.      | 93.1      | 213.9         | 99.5                    | 91.6     | 81.5                      | 92.4         |
| NOV.      | 94.5      | 271.6         | 99.5                    | 92.9     | 81.5                      | 93.4         |
| DIC.      | 94.6      | 271.6         | 95.9                    | 94.2     | 82.2                      | 93.5         |
| 2007 ENE. | 91.9      | 271.6         | 101.2                   | 92.3     | 81.9                      | 88.9         |
| FEB.      | 94.8      | 271.6         | 105.1                   | 96.2     | 80.8                      | 91.9         |
| MAR.      | 93.4      | 85.2          | 107.0                   | 100.1    | 81.3                      | 93.3         |
| ABR.      | 95.3      | 80.8          | 106.7                   | 100.0    | 80.5                      | 97.1         |
| MAY.      | 90.9      | 81.6          | 101.6                   | 100.8    | 81.2                      | 89.8         |
| JUN.      | 91.6      | 82.5          | 102.9                   | 98.3     | 80.5                      | 91.7         |
| JUL.      | 89.9      | 87.0          | 90.4                    | 99.5     | 79.8                      | 89.7         |
| AGO.      | 94.7      | 85.2          | 105.4                   | 101.4    | 82.3                      | 95.1         |
| SET.      | 98.9      | 102.9         | 113.6                   | 101.7    | 83.2                      | 100.0        |
| OCT.      | 100.2     | 103.8         | 120.5                   | 102.4    | 85.6                      | 100.8        |
| NOV.      | 102.3     | 103.8         | 128.5                   | 103.5    | 86.7                      | 102.8        |
| DIC.      | 102.4     | 106.5         | 128.5                   | 105.5    | 88.4                      | 101.9        |
| 2008 ENE. | 97.4      | 106.5         | 128.5                   | 107.0    | 93.9                      | 92.2         |
| FEB.      | 100.7     | 97.7          | 119.2                   | 104.9    | 86.1                      | 100.8        |
| MAR.      | 103.5     | 92.5          | 121.6                   | 104.7    | 87.2                      | 105.6        |
| ABR.      | 108.2     | 91.6          | 123.2                   | 105.6    | 90.4                      | 112.5        |
| MAY.      | 107.0     | 96.0          | 122.3                   | 105.0    | 90.0                      | 110.5        |
| JUN.      | 104.9     | 96.0          | 125.0                   | 105.2    | 91.5                      | 106.6        |
| JUL.      | 106.0     | 97.7          | 125.0                   | 106.9    | 95.7                      | 106.8        |
| AGO.      | 105.0     | 97.7          | 126.1                   | 107.3    | 94.4                      | 105.1        |
| SET.      | 104.1     | 95.5          | 112.4                   | 104.6    | 95.9                      | 105.7        |
| OCT.      | 105.6     | 100.0         | 115.7                   | 104.7    | 96.1                      | 107.7        |
| NOV.      | 105.0     | 100.0         | 117.1                   | 103.1    | 96.5                      | 106.8        |
| DIC.      | 104.7     | 100.0         | 99.9                    | 103.8    | 95.5                      | 108.1        |
| 2009 ENE. | 95.3      | 95.5          | 83.7                    | 103.1    | 95.0                      | 94.2         |
| FEB.      | 89.6      | 95.5          | 96.8                    | 103.7    | 90.3                      | 84.2         |
| MAR.      | 91.8      | 95.5          | 92.4                    | 104.8    | 88.9                      | 88.3         |
| ABR.      | 94.0      | 97.7          | 87.2                    | 104.0    | 90.1                      | 92.6         |
| MAY.      | 96.9      | 97.7          | 98.9                    | 103.9    | 91.0                      | 96.0         |
| JUN.      | 98.9      | 93.2          | 109.0                   | 105.3    | 89.7                      | 97.7         |
| JUL.      | 96.5      | 102.3         | 102.5                   | 102.9    | 88.9                      | 95.2         |
| AGO.      | 94.7      | 102.3         | 96.8                    | 104.6    | 89.9                      | 92.1         |
| SET.      | 96.1      | 102.3         | 105.2                   | 104.2    | 91.1                      | 93.3         |
| OCT.      | 96.6      | 102.3         | 92.0                    | 109.1    | 93.2                      | 93.8         |
| NOV.      | 97.3      | 102.3         | 99.5                    | 109.8    | 92.6                      | 93.8         |
| DIC.      | 97.5      | 104.5         | 99.5                    | 104.8    | 93.9                      | 95.4         |
| 2010 ENE. | 88.9      | 95.5          | 103.0                   | 103.1    | 92.9                      | 81.3         |
| FEB.      | 86.9      | 97.7          | 103.0                   | 103.2    | 91.1                      | 78.1         |
| MAR.      | 90.6      | 97.7          | 106.0                   | 102.1    | 96.1                      | 83.4         |
| ABR.      | 96.8      | 95.5          | 113.3                   | 100.3    | 96.7                      | 93.8         |
| MAY.      | 96.9      | 97.7          | 101.3                   | 101.1    | 94.1                      | 95.7         |
| JUN.      | 98.4      | 97.7          | 96.9                    | 100.5    | 94.3                      | 98.9         |
| JUL.      | 97.9      | 100.0         | 96.9                    | 100.7    | 94.9                      | 97.7         |
| AGO.      | 98.3      | 100.0         | 101.2                   | 100.1    | 98.3                      | 97.3         |
| SET.      | 99.1      | 100.0         | 101.6                   | 99.7     | 98.5                      | 98.6         |
| OCT.      | 100.0     | 100.0         | 100.0                   | 100.0    | 100.0                     | 100.0        |



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FORMALES DE 10 A 49 TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO  
2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES |      | Cajamarca |               |                         |          |                           |              |
|-----------|------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           |      | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2011      | NOV. | 102.6     | 100.0         | 106.1                   | 103.5    | 98.9                      | 102.8        |
|           | DIC. | 103.1     | 100.0         | 104.2                   | 104.1    | 98.3                      | 103.8        |
|           | ENE. | 94.4      | 120.5         | 108.1                   | 101.8    | 99.4                      | 88.2         |
|           | FEB. | 94.9      | 118.2         | 109.2                   | 107.1    | 98.6                      | 87.2         |
|           | MAR. | 102.2     | 118.2         | 118.7                   | 106.6    | 100.6                     | 99.1         |
|           | ABR. | 104.8     | 111.4         | 115.6                   | 104.7    | 98.0                      | 106.2        |
|           | MAY. | 107.9     | 111.4         | 113.2                   | 107.4    | 100.4                     | 110.7        |
|           | JUN. | 109.0     | 113.6         | 111.8                   | 111.0    | 98.7                      | 111.8        |
|           | JUL. | 108.1     | 111.4         | 119.2                   | 108.3    | 100.4                     | 109.5        |
|           | AGO. | 108.0     | 125.0         | 118.2                   | 108.8    | 99.8                      | 109.1        |
|           | SET. | 108.6     | 125.0         | 118.9                   | 110.9    | 101.5                     | 108.7        |
|           | OCT. | 110.4     | 113.6         | 119.5                   | 110.0    | 103.3                     | 112.4        |
| 2012      | NOV. | 112.1     | 113.6         | 116.6                   | 110.5    | 104.0                     | 116.0        |
|           | DIC. | 111.3     | 113.6         | 111.2                   | 111.3    | 101.9                     | 115.6        |
|           | ENE. | 102.0     | 113.6         | 116.4                   | 109.3    | 101.5                     | 96.3         |
|           | FEB. | 103.0     | 115.9         | 131.5                   | 109.8    | 102.3                     | 95.0         |
|           | MAR. | 110.9     | 115.9         | 131.2                   | 111.3    | 104.8                     | 109.7        |
|           | ABR. | 114.7     | 115.9         | 133.0                   | 110.1    | 101.9                     | 119.0        |
|           | MAY. | 116.6     | 113.6         | 139.2                   | 110.2    | 105.0                     | 120.5        |
|           | JUN. | 117.7     | 115.9         | 148.7                   | 109.8    | 104.6                     | 121.5        |
|           | JUL. | 117.2     | 125.4         | 143.5                   | 111.7    | 101.1                     | 121.2        |
|           | AGO. | 118.3     | 137.2         | 146.3                   | 111.0    | 102.7                     | 122.5        |
|           | SET. | 116.7     | 132.5         | 134.8                   | 110.2    | 100.7                     | 122.5        |
|           | OCT. | 115.6     | 130.1         | 126.8                   | 113.8    | 100.7                     | 120.0        |
| 2013      | NOV. | 114.5     | 130.1         | 117.8                   | 112.0    | 100.9                     | 120.2        |
|           | DIC. | 114.1     | 127.7         | 118.5                   | 115.2    | 97.2                      | 118.7        |
|           | ENE. | 105.6     | 125.4         | 117.5                   | 114.5    | 98.5                      | 101.6        |
|           | FEB. | 103.2     | 127.7         | 116.8                   | 115.9    | 98.0                      | 96.3         |
|           | MAR. | 108.1     | 118.3         | 106.8                   | 119.1    | 100.3                     | 106.1        |
|           | ABR. | 113.2     | 114.1         | 115.0                   | 117.9    | 99.9                      | 115.7        |
|           | MAY. | 113.6     | 118.3         | 116.5                   | 118.9    | 93.5                      | 117.4        |
|           | JUN. | 112.3     | 123.0         | 112.4                   | 117.2    | 90.9                      | 117.2        |
|           | JUL. | 112.0     | 139.6         | 109.2                   | 117.8    | 91.9                      | 116.3        |
|           | AGO. | 111.5     | 144.3         | 104.8                   | 116.9    | 93.9                      | 116.1        |
|           | SET. | 110.4     | 137.2         | 104.0                   | 118.0    | 95.5                      | 113.4        |
|           | OCT. | 109.6     | 127.7         | 99.7                    | 118.7    | 101.5                     | 111.2        |
| 2014      | NOV. | 110.2     | 132.6         | 102.2                   | 119.8    | 98.3                      | 111.9        |
|           | DIC. | 111.0     | 135.0         | 121.6                   | 115.8    | 97.6                      | 111.1        |
|           | ENE. | 100.2     | 130.1         | 118.2                   | 117.5    | 96.9                      | 91.1         |
|           | FEB. | 97.1      | 151.4         | 105.7                   | 115.2    | 99.0                      | 87.7         |
|           | MAR. | 100.2     | 156.7         | 102.3                   | 111.7    | 100.2                     | 94.6         |
|           | ABR. | 106.4     | 162.0         | 100.4                   | 114.2    | 95.9                      | 105.9        |
|           | MAY. | 106.4     | 132.8         | 100.4                   | 114.7    | 96.2                      | 106.1        |
|           | JUN. | 107.6     | 132.8         | 100.4                   | 113.8    | 93.3                      | 109.3        |
|           | JUL. | 107.3     | 135.5         | 100.4                   | 115.3    | 97.6                      | 107.2        |
|           | AGO. | 107.1     | 132.8         | 103.0                   | 114.9    | 100.0                     | 106.1        |
|           | SET. | 107.9     | 143.4         | 99.0                    | 115.7    | 101.4                     | 107.3        |
|           | OCT. | 110.1     | 143.4         | 96.0                    | 114.9    | 101.6                     | 112.0        |
| 2015      | NOV. | 108.2     | 146.1         | 95.3                    | 115.7    | 105.1                     | 107.4        |
|           | DIC. | 109.3     | 146.1         | 97.1                    | 121.4    | 106.5                     | 106.4        |
|           | ENE. | 96.9      | 143.4         | 93.8                    | 114.9    | 108.1                     | 86.6         |
|           | FEB. | 95.6      | 122.2         | 85.4                    | 115.6    | 124.6                     | 81.9         |
|           | MAR. | 101.3     | 110.5         | 87.2                    | 117.9    | 122.8                     | 91.2         |
|           | ABR. | 110.6     | 110.5         | 93.0                    | 118.6    | 122.6                     | 107.0        |
|           | MAY. | 110.9     | 110.5         | 96.7                    | 118.6    | 123.5                     | 106.7        |
|           | JUN. | 117.2     | 110.5         | 98.5                    | 115.9    | 124.5                     | 119.0        |
|           | JUL. | 117.4     | 107.6         | 100.4                   | 114.8    | 124.0                     | 119.9        |
|           | AGO. | 117.3     | 107.6         | 103.1                   | 116.1    | 126.5                     | 117.9        |
|           | SET. | 117.4     | 104.7         | 95.5                    | 114.5    | 126.8                     | 120.2        |
|           | OCT. | 118.7     | 104.7         | 93.7                    | 116.4    | 126.0                     | 122.2        |
| 2016      | NOV. | 115.2     | 98.9          | 86.5                    | 104.7    | 125.8                     | 122.3        |
|           | DIC. | 117.2     | 96.0          | 93.4                    | 106.8    | 126.3                     | 123.8        |
|           | ENE. | 108.7     | 101.8         | 98.2                    | 106.4    | 125.8                     | 106.6        |
|           | FEB. | 104.0     | 81.5          | 97.3                    | 106.6    | 127.6                     | 97.8         |
|           | MAR. | 110.5     | 81.5          | 102.4                   | 106.8    | 129.6                     | 108.2        |

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2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES | Cajamarca |               |                         |          |                           |              |
|-----------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| ABR.      | 113.7     | 93.1          | 108.5                   | 104.5    | 120.7                     | 115.8        |
| MAY.      | 113.8     | 98.9          | 104.6                   | 105.9    | 120.4                     | 116.0        |
| JUN.      | 113.9     | 98.9          | 101.8                   | 105.7    | 120.7                     | 116.8        |
| JUL.      | 114.4     | 101.8         | 104.1                   | 103.5    | 120.7                     | 118.2        |
| AGO.      | 114.3     | 101.8         | 103.2                   | 103.9    | 124.9                     | 117.1        |
| SET.      | 113.3     | 98.9          | 102.4                   | 94.1     | 132.0                     | 118.2        |
| OCT.      | 116.3     | 101.8         | 104.6                   | 94.8     | 131.7                     | 122.9        |
| NOV.      | 113.9     | 104.7         | 103.8                   | 94.0     | 130.4                     | 119.3        |
| DIC.      | 115.2     | 104.7         | 110.6                   | 95.4     | 127.1                     | 120.1        |
| 2017 ENE. | 99.6      | 104.7         | 107.0                   | 94.2     | 127.1                     | 93.3         |
| FEB.      | 97.1      | 101.8         | 103.4                   | 93.3     | 125.1                     | 90.3         |
| MAR.      | 103.6     | 96.0          | 103.4                   | 93.6     | 128.2                     | 101.2        |
| ABR.      | 108.1     | 96.0          | 106.0                   | 92.9     | 131.2                     | 108.5        |
| MAY.      | 107.8     | 96.0          | 102.5                   | 94.2     | 131.8                     | 107.8        |
| JUN.      | 111.8     | 101.5         | 105.0                   | 91.4     | 136.9                     | 114.8        |
| JUL.      | 112.8     | 101.5         | 105.0                   | 89.6     | 135.5                     | 117.7        |
| AGO.      | 111.1     | 90.5          | 101.3                   | 90.1     | 136.8                     | 115.1        |
| SET.      | 114.7     | 90.5          | 100.3                   | 89.0     | 139.1                     | 121.8        |
| OCT.      | 115.3     | 96.0          | 101.3                   | 88.1     | 137.8                     | 123.3        |
| NOV.      | 115.1     | 98.7          | 103.2                   | 87.0     | 140.2                     | 122.6        |
| DIC.      | 114.9     | 98.7          | 95.8                    | 86.6     | 143.3                     | 123.2        |
| 2018 ENE. | 106.1     | 96.0          | 92.2                    | 83.7     | 140.2                     | 109.5        |
| FEB.      | 101.3     | 98.7          | 134.9                   | 86.7     | 136.2                     | 94.4         |
| MAR.      | 106.1     | 98.7          | 134.9                   | 86.9     | 133.8                     | 102.7        |
| ABR.      | 109.6     | 104.2         | 134.9                   | 84.4     | 133.5                     | 109.8        |
| MAY.      | 110.4     | 107.0         | 139.7                   | 82.1     | 137.3                     | 111.0        |
| JUN.      | 111.1     | 104.9         | 139.7                   | 82.8     | 136.2                     | 112.2        |
| JUL.      | 110.2     | 103.8         | 138.2                   | 83.6     | 135.9                     | 110.5        |
| AGO.      | 111.2     | 93.2          | 136.7                   | 84.6     | 143.2                     | 111.5        |
| SET.      | 111.5     | 93.2          | 135.0                   | 84.6     | 143.2                     | 112.1        |
| OCT.      | 112.2     | 91.1          | 131.4                   | 84.6     | 139.2                     | 114.3        |
| NOV.      | 112.1     | 89.0          | 130.1                   | 84.5     | 139.2                     | 114.4        |
| DIC.      | 113.3     | 89.0          | 132.3                   | 86.2     | 144.6                     | 114.7        |
| 2019 ENE. | 95.7      | 89.0          | 126.1                   | 85.5     | 141.4                     | 86.9         |
| FEB.      | 94.9      | 85.8          | 126.1                   | 83.5     | 142.4                     | 86.4         |
| MAR.      | 103.2     | 83.7          | 128.7                   | 83.8     | 143.2                     | 99.5         |
| ABR.      | 109.0     | 82.6          | 130.1                   | 81.7     | 142.4                     | 110.5        |
| MAY.      | 110.4     | 80.5          | 137.6                   | 83.1     | 141.7                     | 111.6        |
| JUN.      | 110.7     | 80.5          | 137.6                   | 82.6     | 143.9                     | 112.2        |
| JUL.      | 110.3     | 79.4          | 137.6                   | 87.8     | 143.2                     | 109.3        |
| AGO. P/   | 111.3     | 80.5          | 133.6                   | 86.4     | 149.6                     | 111.1        |

**Nota:** La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en enero 2000.

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).

**CIUDAD DE CAJAMARCA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 50 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA,  
ENERO 2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES |      | Cajamarca |               |                         |          |                           |              |
|-----------|------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           |      | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2000      | ENE. | 90.6      | 51.7          | 181.7                   | -        | -                         | 169.3        |
|           | FEB. | 98.4      | 56.8          | 187.0                   | -        | -                         | 171.8        |
|           | MAR. | 102.3     | 59.2          | 189.4                   | -        | -                         | 178.5        |
|           | ABR. | 101.7     | 59.1          | 187.0                   | -        | -                         | 172.8        |
|           | MAY. | 107.5     | 64.5          | 158.5                   | -        | -                         | 170.0        |
|           | JUN. | 110.8     | 65.8          | 178.3                   | -        | -                         | 177.7        |
|           | JUL. | 127.5     | 76.8          | 140.2                   | -        | -                         | 209.1        |
|           | AGO. | 131.3     | 78.5          | 139.4                   | -        | -                         | 217.5        |
|           | SET. | 135.5     | 81.9          | 138.4                   | -        | -                         | 222.3        |
|           | OCT. | 134.6     | 79.8          | 143.5                   | -        | -                         | 224.7        |
|           | NOV. | 128.9     | 80.9          | 118.9                   | -        | -                         | 204.3        |
|           | DIC. | 115.8     | 70.4          | 69.7                    | -        | -                         | 192.7        |
| 2001      | ENE. | 101.8     | 66.8          | 71.9                    | -        | -                         | 155.6        |
|           | FEB. | 107.4     | 66.1          | 71.9                    | -        | -                         | 176.2        |
|           | MAR. | 111.9     | 69.6          | 71.9                    | -        | -                         | 181.7        |
|           | ABR. | 117.3     | 70.3          | 159.7                   | 99.8     | -                         | 191.1        |
|           | MAY. | 129.0     | 80.3          | 165.0                   | 99.8     | -                         | 203.2        |
|           | JUN. | 143.5     | 90.0          | 175.6                   | 101.7    | -                         | 225.0        |
|           | JUL. | 146.7     | 91.2          | 161.9                   | 101.7    | -                         | 233.8        |
|           | AGO. | 145.3     | 94.9          | 161.9                   | 107.4    | -                         | 219.2        |
|           | SET. | 137.3     | 91.6          | 162.5                   | 99.8     | -                         | 201.0        |
|           | OCT. | 112.4     | 83.7          | 162.5                   | 97.8     | -                         | 137.6        |
|           | NOV. | 100.7     | 76.8          | 104.3                   | 103.6    | -                         | 123.0        |
|           | DIC. | 90.4      | 72.4          | 60.4                    | 103.6    | -                         | 104.1        |
| 2002      | ENE. | 85.4      | 70.3          | 60.4                    | 103.6    | -                         | 92.5         |
|           | FEB. | 93.5      | 72.5          | 60.4                    | 103.6    | -                         | 115.2        |
|           | MAR. | 95.6      | 71.0          | 61.5                    | 90.2     | -                         | 126.9        |
|           | ABR. | 106.4     | 68.8          | 79.7                    | 115.1    | -                         | 164.4        |
|           | MAY. | 115.6     | 66.7          | 122.9                   | 126.6    | -                         | 187.9        |
|           | JUN. | 112.3     | 56.7          | 132.4                   | 126.6    | -                         | 199.3        |
|           | JUL. | 110.4     | 58.1          | 107.7                   | 128.5    | -                         | 197.1        |
|           | AGO. | 108.7     | 59.0          | 74.8                    | 128.5    | -                         | 198.2        |
|           | SET. | 106.4     | 60.1          | 87.0                    | 128.5    | -                         | 185.1        |
|           | OCT. | 105.6     | 60.4          | 84.7                    | 130.5    | -                         | 182.6        |
|           | NOV. | 99.9      | 60.7          | 49.4                    | 130.5    | -                         | 175.4        |
|           | DIC. | 95.0      | 59.4          | 60.3                    | 126.6    | -                         | 160.5        |
| 2003      | ENE. | 89.5      | 56.4          | 57.4                    | 126.6    | -                         | 150.2        |
|           | FEB. | 87.0      | 57.1          | 59.0                    | 128.5    | -                         | 140.7        |
|           | MAR. | 86.0      | 59.3          | 59.3                    | 128.5    | -                         | 133.6        |
|           | ABR. | 87.4      | 60.5          | 58.6                    | 128.5    | -                         | 135.6        |
|           | MAY. | 89.7      | 60.9          | 58.8                    | 128.5    | -                         | 141.8        |
|           | JUN. | 95.0      | 61.9          | 58.8                    | 128.5    | 90.9                      | 156.2        |
|           | JUL. | 99.1      | 61.6          | 59.5                    | 120.9    | 92.9                      | 169.6        |
|           | AGO. | 97.3      | 58.0          | 65.5                    | 120.9    | 95.8                      | 169.5        |
|           | SET. | 93.6      | 61.4          | 67.8                    | 120.9    | 98.8                      | 150.6        |
|           | OCT. | 102.8     | 60.7          | 77.5                    | 120.9    | 96.8                      | 177.7        |
|           | NOV. | 98.0      | 60.1          | 79.2                    | 120.9    | 95.8                      | 163.7        |
|           | DIC. | 93.3      | 58.8          | 78.5                    | 120.9    | 95.8                      | 152.2        |
| 2004      | ENE. | 82.2      | 57.8          | 82.6                    | 120.9    | 95.8                      | 119.4        |
|           | FEB. | 85.7      | 63.0          | 78.3                    | 120.9    | 93.8                      | 122.8        |
|           | MAR. | 88.9      | 66.3          | 73.3                    | 120.9    | 93.8                      | 128.5        |
|           | ABR. | 96.2      | 69.2          | 79.1                    | 120.9    | 94.8                      | 144.4        |
|           | MAY. | 101.5     | 67.5          | 89.1                    | 121.8    | 91.2                      | 160.9        |
|           | JUN. | 102.4     | 68.5          | 113.1                   | 121.8    | 90.0                      | 155.3        |
|           | JUL. | 102.9     | 69.0          | 118.0                   | 117.9    | 91.8                      | 154.6        |
|           | AGO. | 85.9      | 69.6          | 87.4                    | 120.9    | 94.8                      | 109.6        |
|           | SET. | 96.0      | 70.2          | 105.1                   | 118.9    | 85.7                      | 136.0        |
|           | OCT. | 94.2      | 70.5          | 111.2                   | 118.9    | 91.8                      | 128.0        |
|           | NOV. | 96.2      | 71.8          | 111.2                   | 118.9    | 88.8                      | 132.2        |
|           | DIC. | 93.4      | 72.4          | 83.2                    | 91.4     | 93.5                      | 130.8        |
| 2005      | ENE. | 87.5      | 68.5          | 80.8                    | 91.4     | 99.8                      | 119.7        |
|           | FEB. | 90.2      | 76.3          | 73.0                    | 91.4     | 99.8                      | 117.3        |
|           | MAR. | 91.6      | 79.9          | 67.6                    | 86.4     | 99.0                      | 118.3        |
|           | ABR. | 96.4      | 82.8          | 82.7                    | 84.2     | 98.2                      | 123.4        |

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ENERO 2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES | Cajamarca |               |                         |          |                           |              |
|-----------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2006 MAY. | 109.3     | 84.7          | 104.8                   | 84.2     | 102.6                     | 152.0        |
| JUN.      | 115.5     | 90.3          | 109.1                   | 82.0     | 103.4                     | 161.0        |
| JUL.      | 112.0     | 91.8          | 126.1                   | 82.6     | 113.3                     | 140.5        |
| AGO.      | 106.2     | 91.4          | 110.2                   | 82.6     | 121.2                     | 128.3        |
| SET.      | 97.9      | 94.6          | 70.2                    | 82.6     | 124.8                     | 112.2        |
| OCT.      | 95.9      | 94.0          | 77.1                    | 77.6     | 127.9                     | 104.1        |
| NOV.      | 92.9      | 91.8          | 66.6                    | 79.9     | 129.1                     | 102.0        |
| DIC.      | 95.8      | 90.6          | 77.7                    | 79.9     | 127.9                     | 108.8        |
| 2006 ENE. | 91.9      | 87.7          | 81.1                    | 79.9     | 126.7                     | 100.6        |
| FEB.      | 93.0      | 90.3          | 80.6                    | 80.4     | 124.0                     | 100.5        |
| MAR.      | 94.1      | 90.9          | 71.6                    | 80.4     | 120.8                     | 106.0        |
| ABR.      | 95.4      | 92.1          | 74.7                    | 80.4     | 118.8                     | 107.4        |
| MAY.      | 99.6      | 92.1          | 96.0                    | 80.4     | 117.2                     | 112.6        |
| JUN.      | 102.7     | 91.1          | 104.7                   | 81.2     | 121.6                     | 119.8        |
| JUL.      | 102.8     | 92.2          | 96.4                    | 81.2     | 125.5                     | 120.8        |
| AGO.      | 105.3     | 92.1          | 126.1                   | 80.8     | 126.3                     | 118.5        |
| SET.      | 102.3     | 92.4          | 118.4                   | 81.6     | 129.1                     | 111.6        |
| OCT.      | 105.5     | 92.7          | 106.5                   | 82.4     | 126.7                     | 124.5        |
| NOV.      | 105.7     | 93.0          | 97.0                    | 82.4     | 127.5                     | 128.0        |
| DIC.      | 107.1     | 93.4          | 100.2                   | 85.1     | 124.0                     | 130.6        |
| 2007 ENE. | 95.4      | 88.3          | 109.5                   | 83.6     | 127.1                     | 100.8        |
| FEB.      | 89.5      | 90.9          | 108.0                   | 77.7     | 125.9                     | 81.6         |
| MAR.      | 90.5      | 90.7          | 118.8                   | 78.6     | 119.2                     | 81.7         |
| ABR.      | 89.9      | 91.1          | 109.4                   | 77.2     | 118.8                     | 82.6         |
| MAY.      | 92.8      | 91.4          | 105.1                   | 78.3     | 122.8                     | 90.7         |
| JUN.      | 92.6      | 90.9          | 112.9                   | 79.7     | 120.4                     | 88.7         |
| JUL.      | 96.3      | 91.8          | 133.8                   | 80.1     | 129.9                     | 90.5         |
| AGO.      | 100.6     | 94.3          | 153.2                   | 78.5     | 129.9                     | 93.5         |
| SET.      | 107.9     | 94.4          | 221.2                   | 78.7     | 131.9                     | 93.1         |
| OCT.      | 113.1     | 95.9          | 247.7                   | 80.9     | 131.9                     | 97.4         |
| NOV.      | 118.0     | 96.2          | 262.7                   | 83.3     | 129.9                     | 105.5        |
| DIC.      | 111.9     | 94.5          | 231.7                   | 83.3     | 131.9                     | 99.8         |
| 2008 ENE. | 100.3     | 90.2          | 194.6                   | 84.9     | 131.9                     | 84.9         |
| FEB.      | 99.0      | 94.0          | 182.3                   | 87.1     | 127.1                     | 80.7         |
| MAR.      | 98.7      | 101.3         | 159.9                   | 86.3     | 134.7                     | 78.0         |
| ABR.      | 96.1      | 97.9          | 140.4                   | 85.1     | 135.4                     | 80.5         |
| MAY.      | 101.8     | 105.5         | 135.3                   | 86.0     | 135.0                     | 88.6         |
| JUN.      | 101.0     | 103.8         | 123.9                   | 89.2     | 132.7                     | 91.1         |
| JUL.      | 100.0     | 100.3         | 118.1                   | 87.1     | 124.8                     | 94.4         |
| AGO.      | 100.2     | 99.9          | 124.6                   | 92.2     | 124.4                     | 92.4         |
| SET.      | 98.6      | 98.1          | 122.7                   | 96.5     | 124.4                     | 89.6         |
| OCT.      | 101.2     | 101.9         | 126.9                   | 93.7     | 124.1                     | 91.5         |
| NOV.      | 102.1     | 101.0         | 124.8                   | 90.8     | 124.1                     | 96.5         |
| DIC.      | 101.9     | 98.7          | 123.5                   | 90.5     | 129.5                     | 98.9         |
| 2009 ENE. | 88.7      | 95.5          | 80.8                    | 90.8     | 128.0                     | 79.9         |
| FEB.      | 83.9      | 94.8          | 83.5                    | 87.6     | 110.8                     | 68.2         |
| MAR.      | 83.4      | 91.5          | 83.6                    | 86.5     | 108.8                     | 71.1         |
| ABR.      | 87.4      | 91.8          | 79.6                    | 89.2     | 111.2                     | 82.5         |
| MAY.      | 91.2      | 91.9          | 79.0                    | 86.7     | 102.2                     | 94.2         |
| JUN.      | 90.9      | 90.4          | 77.9                    | 88.6     | 99.5                      | 95.4         |
| JUL.      | 90.1      | 88.1          | 77.7                    | 86.0     | 102.2                     | 96.3         |
| AGO.      | 89.8      | 88.5          | 77.9                    | 86.2     | 100.8                     | 94.8         |
| SET.      | 88.2      | 89.2          | 74.8                    | 87.8     | 99.0                      | 90.6         |
| OCT.      | 91.6      | 89.5          | 72.5                    | 87.2     | 99.0                      | 100.7        |
| NOV.      | 92.8      | 91.1          | 72.4                    | 88.5     | 96.3                      | 102.1        |
| DIC.      | 95.0      | 92.2          | 87.3                    | 87.6     | 98.1                      | 102.5        |
| 2010 ENE. | 85.1      | 90.2          | 86.6                    | 87.6     | 96.0                      | 76.3         |
| FEB.      | 86.4      | 90.8          | 89.4                    | 87.0     | 95.7                      | 78.2         |
| MAR.      | 87.5      | 90.8          | 90.6                    | 86.2     | 88.4                      | 82.2         |
| ABR.      | 92.0      | 91.7          | 89.6                    | 88.4     | 92.0                      | 93.7         |
| MAY.      | 93.8      | 92.4          | 94.7                    | 88.1     | 95.3                      | 96.2         |
| JUN.      | 95.3      | 94.9          | 93.0                    | 91.5     | 99.5                      | 96.9         |
| JUL.      | 97.6      | 96.5          | 94.0                    | 90.9     | 99.2                      | 101.5        |
| AGO.      | 96.3      | 98.5          | 90.0                    | 90.6     | 100.0                     | 96.3         |

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ENERO 2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES | Cajamarca |               |                         |          |                           |              |       |
|-----------|-----------|---------------|-------------------------|----------|---------------------------|--------------|-------|
|           | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |       |
| 2011      | SET.      | 98.4          | 100.2                   | 97.1     | 95.9                      | 100.9        | 96.6  |
|           | OCT.      | 100.0         | 100.0                   | 100.0    | 100.0                     | 100.0        | 100.0 |
|           | NOV.      | 102.9         | 102.1                   | 100.0    | 101.1                     | 99.8         | 105.8 |
|           | DIC.      | 97.7          | 104.0                   | 50.9     | 104.4                     | 99.1         | 105.9 |
|           | ENE.      | 92.2          | 103.2                   | 52.6     | 100.8                     | 98.6         | 90.6  |
|           | FEB.      | 92.5          | 104.2                   | 51.2     | 103.8                     | 94.6         | 90.8  |
|           | MAR.      | 95.1          | 104.3                   | 60.1     | 111.2                     | 92.1         | 94.0  |
|           | ABR.      | 98.4          | 104.7                   | 68.2     | 111.2                     | 93.1         | 100.1 |
|           | MAY.      | 101.5         | 108.7                   | 57.8     | 112.2                     | 93.8         | 107.3 |
|           | JUN.      | 103.2         | 110.9                   | 49.1     | 114.6                     | 96.1         | 111.5 |
|           | JUL.      | 103.3         | 110.1                   | 48.2     | 112.7                     | 99.1         | 113.1 |
|           | AGO.      | 102.3         | 109.1                   | 49.5     | 112.2                     | 102.4        | 110.7 |
| 2012      | SET.      | 103.5         | 110.0                   | 49.1     | 113.9                     | 105.5        | 112.3 |
|           | OCT.      | 107.0         | 113.6                   | 51.6     | 117.5                     | 107.0        | 116.4 |
|           | NOV.      | 109.5         | 113.4                   | 54.0     | 133.0                     | 109.9        | 119.4 |
|           | DIC.      | 110.0         | 114.1                   | 54.9     | 131.3                     | 110.1        | 120.2 |
|           | ENE.      | 103.3         | 109.4                   | 51.6     | 135.0                     | 111.8        | 107.0 |
|           | FEB.      | 100.4         | 111.3                   | 52.3     | 129.2                     | 108.3        | 98.4  |
|           | MAR.      | 101.7         | 111.1                   | 50.6     | 129.0                     | 106.4        | 103.0 |
|           | ABR.      | 108.0         | 114.4                   | 50.4     | 130.3                     | 111.6        | 115.7 |
|           | MAY.      | 112.8         | 115.0                   | 51.1     | 149.0                     | 109.4        | 124.5 |
|           | JUN.      | 113.9         | 113.2                   | 52.9     | 155.1                     | 112.0        | 127.5 |
|           | JUL.      | 111.9         | 108.2                   | 53.6     | 153.5                     | 116.0        | 126.9 |
|           | AGO.      | 110.5         | 110.3                   | 50.5     | 151.0                     | 117.5        | 122.3 |
| 2013      | SET.      | 108.7         | 108.5                   | 49.6     | 150.2                     | 124.5        | 118.7 |
|           | OCT.      | 102.3         | 91.7                    | 49.7     | 147.9                     | 123.1        | 119.6 |
|           | NOV.      | 102.9         | 89.3                    | 49.6     | 170.6                     | 119.0        | 120.4 |
|           | DIC.      | 102.3         | 87.2                    | 53.8     | 173.6                     | 118.7        | 119.1 |
|           | ENE.      | 95.8          | 87.0                    | 52.4     | 170.2                     | 116.1        | 102.9 |
|           | FEB.      | 89.1          | 80.5                    | 51.5     | 165.7                     | 115.2        | 93.0  |
|           | MAR.      | 89.8          | 79.9                    | 54.7     | 159.1                     | 118.1        | 95.2  |
|           | ABR.      | 91.3          | 79.2                    | 57.5     | 155.5                     | 121.0        | 99.7  |
|           | MAY.      | 91.2          | 78.3                    | 56.4     | 155.7                     | 120.2        | 100.8 |
|           | JUN.      | 92.1          | 78.2                    | 56.7     | 156.2                     | 110.9        | 104.8 |
|           | JUL.      | 90.5          | 75.2                    | 57.2     | 153.1                     | 110.9        | 103.8 |
|           | AGO.      | 88.5          | 74.5                    | 46.1     | 154.1                     | 109.6        | 102.8 |
| 2014      | SET.      | 84.9          | 73.4                    | 44.3     | 158.1                     | 108.2        | 94.0  |
|           | OCT.      | 89.1          | 73.0                    | 44.8     | 172.8                     | 104.6        | 103.5 |
|           | NOV.      | 88.2          | 71.9                    | 44.2     | 159.2                     | 106.0        | 105.0 |
|           | DIC.      | 87.6          | 71.2                    | 47.2     | 157.2                     | 103.7        | 103.9 |
|           | ENE.      | 84.3          | 71.3                    | 45.9     | 158.4                     | 101.9        | 94.8  |
|           | FEB.      | 78.9          | 69.6                    | 46.4     | 152.1                     | 98.2         | 83.1  |
|           | MAR.      | 79.1          | 68.9                    | 48.5     | 150.9                     | 97.6         | 84.1  |
|           | ABR.      | 79.5          | 67.3                    | 50.1     | 148.0                     | 96.9         | 87.1  |
|           | MAY.      | 81.5          | 67.3                    | 50.1     | 145.4                     | 94.0         | 94.3  |
|           | JUN.      | 81.3          | 67.6                    | 49.9     | 139.1                     | 93.2         | 95.2  |
|           | JUL.      | 81.7          | 67.7                    | 51.1     | 136.2                     | 92.0         | 96.8  |
|           | AGO.      | 80.9          | 66.9                    | 47.9     | 133.9                     | 93.2         | 97.0  |
| 2015      | SET.      | 79.6          | 67.0                    | 47.3     | 133.1                     | 96.5         | 92.9  |
|           | OCT.      | 82.0          | 66.4                    | 47.7     | 132.2                     | 101.5        | 100.2 |
|           | NOV.      | 81.6          | 66.5                    | 45.0     | 134.4                     | 104.1        | 98.9  |
|           | DIC.      | 80.8          | 65.4                    | 46.6     | 138.0                     | 102.1        | 96.5  |
|           | ENE.      | 77.3          | 64.0                    | 46.8     | 141.5                     | 101.3        | 86.9  |
|           | FEB.      | 73.8          | 61.2                    | 46.1     | 139.2                     | 90.8         | 81.9  |
|           | MAR.      | 72.6          | 61.3                    | 44.9     | 136.1                     | 92.0         | 79.3  |
|           | ABR.      | 75.5          | 60.9                    | 44.7     | 135.3                     | 93.2         | 88.6  |
|           | MAY.      | 77.4          | 61.0                    | 44.8     | 137.0                     | 92.3         | 93.7  |
|           | JUN.      | 77.3          | 60.3                    | 44.8     | 135.8                     | 96.6         | 93.9  |
|           | JUL.      | 78.0          | 59.9                    | 45.1     | 135.3                     | 96.1         | 96.2  |
|           | AGO.      | 78.3          | 59.6                    | 44.9     | 136.0                     | 95.9         | 97.4  |
| SET.      | 75.2      | 59.0          | 40.9                    | 131.5    | 90.6                      | 92.5         |       |
| OCT.      | 74.6      | 58.1          | 41.4                    | 128.0    | 89.0                      | 92.6         |       |
| NOV.      | 75.8      | 58.1          | 40.7                    | 133.4    | 88.3                      | 95.0         |       |
| DIC.      | 76.4      | 57.6          | 40.6                    | 134.5    | 90.3                      | 96.6         |       |

**CIUDAD DE CAJAMARCA: ÍNDICE MENSUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 50 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA,  
ENERO 2000 - AGOSTO 2019  
(Año base octubre 2010=100)**

| AÑO Y MES | Cajamarca |               |                         |          |                           |              |
|-----------|-----------|---------------|-------------------------|----------|---------------------------|--------------|
|           | Total     | Extractiva 1/ | Industria manufacturera | Comercio | Transp., almac., y comun. | Servicios 2/ |
| 2016 ENE. | 72.5      | 55.6          | 41.0                    | 138.0    | 89.5                      | 86.4         |
| FEB.      | 69.3      | 55.2          | 41.2                    | 134.4    | 91.0                      | 78.4         |
| MAR.      | 69.1      | 54.8          | 37.3                    | 135.4    | 92.1                      | 79.2         |
| ABR.      | 70.7      | 53.9          | 35.2                    | 132.4    | 92.4                      | 86.3         |
| MAY.      | 73.2      | 54.0          | 34.8                    | 136.4    | 94.4                      | 92.0         |
| JUN.      | 73.3      | 53.5          | 34.7                    | 136.4    | 93.3                      | 92.9         |
| JUL.      | 73.3      | 53.3          | 35.1                    | 134.3    | 94.6                      | 93.4         |
| AGO.      | 71.2      | 53.6          | 26.7                    | 133.1    | 92.4                      | 90.5         |
| SET.      | 71.9      | 55.1          | 27.1                    | 135.7    | 95.3                      | 89.8         |
| OCT.      | 75.2      | 57.9          | 29.5                    | 138.8    | 97.8                      | 94.4         |
| NOV.      | 75.3      | 57.8          | 29.5                    | 140.7    | 98.0                      | 94.4         |
| DIC.      | 75.3      | 57.7          | 29.8                    | 141.0    | 98.7                      | 94.0         |
| 2017 ENE. | 69.8      | 56.8          | 29.3                    | 140.9    | 97.9                      | 79.4         |
| FEB.      | 69.9      | 57.2          | 32.2                    | 141.7    | 97.2                      | 78.1         |
| MAR.      | 70.1      | 57.1          | 32.2                    | 141.2    | 95.8                      | 79.1         |
| ABR.      | 74.0      | 56.9          | 32.8                    | 142.8    | 94.0                      | 90.3         |
| MAY.      | 73.9      | 56.8          | 32.3                    | 145.1    | 91.3                      | 90.2         |
| JUN.      | 74.4      | 56.7          | 33.9                    | 144.0    | 93.2                      | 91.0         |
| JUL.      | 74.2      | 56.3          | 34.0                    | 143.6    | 91.0                      | 91.4         |
| AGO.      | 71.7      | 55.8          | 33.4                    | 142.7    | 91.6                      | 84.8         |
| SET.      | 70.5      | 55.6          | 31.2                    | 142.0    | 88.2                      | 83.1         |
| OCT.      | 72.8      | 55.9          | 31.0                    | 141.2    | 87.8                      | 90.0         |
| NOV.      | 72.6      | 56.1          | 31.3                    | 138.1    | 87.8                      | 90.0         |
| DIC.      | 72.3      | 55.1          | 32.2                    | 138.5    | 89.1                      | 89.6         |
| 2018 ENE. | 67.7      | 53.6          | 32.0                    | 139.8    | 90.0                      | 76.8         |
| FEB.      | 66.2      | 53.6          | 30.4                    | 134.4    | 88.7                      | 74.8         |
| MAR.      | 66.6      | 53.3          | 29.0                    | 133.1    | 91.0                      | 76.9         |
| ABR.      | 69.6      | 53.3          | 30.9                    | 135.4    | 91.3                      | 84.2         |
| MAY.      | 71.4      | 53.1          | 30.1                    | 137.1    | 89.3                      | 90.5         |
| JUN.      | 71.3      | 52.6          | 30.0                    | 136.6    | 88.4                      | 91.1         |
| JUL.      | 70.6      | 52.1          | 30.7                    | 132.0    | 84.9                      | 91.5         |
| AGO.      | 68.4      | 52.0          | 32.2                    | 132.5    | 86.3                      | 83.2         |
| SET.      | 70.5      | 51.8          | 32.6                    | 133.5    | 86.2                      | 89.7         |
| OCT.      | 71.2      | 52.4          | 33.7                    | 132.5    | 87.4                      | 91.1         |
| NOV.      | 71.6      | 51.8          | 34.7                    | 133.0    | 90.8                      | 91.5         |
| DIC.      | 71.8      | 51.6          | 36.3                    | 134.6    | 92.0                      | 90.9         |
| 2019 ENE. | 66.6      | 50.8          | 35.4                    | 134.7    | 88.0                      | 75.7         |
| FEB.      | 65.7      | 50.9          | 35.5                    | 130.4    | 86.6                      | 74.3         |
| MAR.      | 65.4      | 50.8          | 33.7                    | 129.6    | 87.0                      | 74.7         |
| ABR.      | 68.6      | 54.4          | 34.2                    | 130.1    | 83.3                      | 81.6         |
| MAY.      | 70.5      | 55.1          | 33.7                    | 129.5    | 83.7                      | 87.4         |
| JUN.      | 70.8      | 54.7          | 32.2                    | 133.2    | 86.3                      | 87.6         |
| JUL.      | 70.0      | 54.7          | 28.9                    | 131.8    | 81.6                      | 88.2         |
| AGO. P/   | 66.9      | 54.1          | 29.3                    | 131.2    | 81.9                      | 78.6         |

**Nota:** La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en enero 2000.

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).

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                   |                              |          |                                 |                  | VARIACIÓN PROMEDIO ANUAL 2/ |                   |                              |          |                                 |                  |       |
|-----------|--------------------|-------------------|------------------------------|----------|---------------------------------|------------------|-----------------------------|-------------------|------------------------------|----------|---------------------------------|------------------|-------|
|           | Total              | Extractiv<br>a 3/ | Industria<br>manufactur<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ | Total                       | Extractiv<br>a 3/ | Industria<br>manufactur<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ |       |
| 2001      | ENE.               | 10.3              | 25.8                         | -53.0    | 6.4                             | 8.3              | 5.8                         | 10.3              | 25.8                         | -53.0    | 6.4                             | 8.3              | 5.8   |
|           | FEB.               | 5.7               | 14.6                         | -56.7    | 7.1                             | 2.8              | 5.6                         | 7.9               | 19.9                         | -54.9    | 6.7                             | 5.5              | 5.7   |
|           | MAR.               | 6.3               | 17.3                         | -56.3    | 6.2                             | 2.8              | 5.9                         | 7.4               | 19.0                         | -55.3    | 6.6                             | 4.6              | 5.8   |
|           | ABR.               | 11.9              | 18.7                         | -20.6    | 4.9                             | 3.5              | 10.0                        | 8.5               | 18.9                         | -46.7    | 6.1                             | 4.3              | 6.9   |
|           | MAY.               | 15.6              | 22.8                         | 1.8      | 5.8                             | 3.8              | 13.7                        | 10.1              | 19.8                         | -37.7    | 6.1                             | 4.2              | 8.3   |
|           | JUN.               | 21.8              | 34.2                         | -6.6     | 3.5                             | 2.2              | 19.4                        | 12.2              | 22.4                         | -32.5    | 5.6                             | 3.9              | 10.3  |
|           | JUL.               | 12.1              | 17.4                         | 11.2     | 5.5                             | -4.0             | 9.7                         | 12.2              | 21.5                         | -27.0    | 5.6                             | 2.7              | 10.2  |
|           | AGO.               | 9.2               | 19.5                         | 17.7     | 5.9                             | -0.3             | 1.4                         | 11.7              | 21.2                         | -22.3    | 5.7                             | 2.3              | 8.9   |
|           | SET.               | 2.0               | 11.1                         | 1.5      | 7.6                             | -5.0             | -5.6                        | 10.5              | 19.9                         | -19.8    | 5.9                             | 1.4              | 7.0   |
|           | OCT.               | -11.3             | 4.6                          | -1.3     | 9.7                             | -2.8             | -27.7                       | 8.0               | 18.1                         | -18.0    | 6.3                             | 1.0              | 3.0   |
|           | NOV.               | -15.7             | -4.6                         | -6.5     | 9.3                             | -5.3             | -29.4                       | 5.6               | 15.7                         | -17.1    | 6.5                             | 0.4              | -0.1  |
|           | DIC.               | -15.2             | 3.0                          | -7.1     | 8.8                             | -9.8             | -32.7                       | 3.9               | 14.6                         | -16.6    | 6.7                             | -0.5             | -2.9  |
| 2002      | ENE.               | -11.5             | 4.8                          | 1.5      | 5.0                             | -5.7             | -29.4                       | -11.5             | 4.8                          | 1.5      | 5.0                             | -5.7             | -29.4 |
|           | FEB.               | -9.3              | 9.2                          | 12.2     | 3.5                             | -2.4             | -27.4                       | -10.4             | 7.0                          | 6.6      | 4.2                             | -4.0             | -28.4 |
|           | MAR.               | -10.8             | 1.8                          | 12.9     | 2.2                             | -11.2            | -24.3                       | -10.6             | 5.2                          | 8.7      | 3.6                             | -6.4             | -26.9 |
|           | ABR.               | -6.4              | -2.4                         | -17.1    | 7.0                             | -8.5             | -11.2                       | -9.4              | 3.2                          | -0.8     | 4.4                             | -6.9             | -22.7 |
|           | MAY.               | -6.9              | -15.4                        | 6.6      | 7.3                             | -6.5             | -7.4                        | -8.9              | -1.0                         | 1.4      | 5.0                             | -6.8             | -19.3 |
|           | JUN.               | -14.6             | -34.7                        | 21.9     | 9.6                             | -7.3             | -9.8                        | -10.0             | -7.8                         | 6.1      | 5.8                             | -6.9             | -17.5 |
|           | JUL.               | -16.8             | -33.1                        | 4.8      | 6.1                             | -14.6            | -12.5                       | -11.1             | -12.1                        | 5.9      | 5.8                             | -8.0             | -16.7 |
|           | AGO.               | -16.5             | -33.3                        | -19.4    | 5.9                             | -17.0            | -7.5                        | -11.9             | -15.3                        | 1.8      | 5.8                             | -9.2             | -15.4 |
|           | SET.               | -11.9             | -29.7                        | -6.4     | 4.0                             | -10.7            | -2.1                        | -11.9             | -17.1                        | 0.7      | 5.6                             | -9.3             | -13.9 |
|           | OCT.               | 1.7               | -22.5                        | -9.0     | 3.6                             | -12.1            | 26.1                        | -10.6             | -17.7                        | -0.4     | 5.4                             | -9.6             | -10.7 |
|           | NOV.               | 6.7               | -17.8                        | -16.3    | 5.0                             | -9.3             | 34.9                        | -9.2              | -17.7                        | -1.8     | 5.4                             | -9.6             | -7.5  |
|           | DIC.               | 11.6              | -14.4                        | 43.8     | 6.7                             | -10.0            | 38.4                        | -7.8              | -17.4                        | 0.7      | 5.5                             | -9.6             | -4.8  |
| 2003      | ENE.               | 11.0              | -15.0                        | 20.8     | 11.6                            | -11.1            | 42.7                        | 11.0              | -15.0                        | 20.8     | 11.6                            | -11.1            | 42.7  |
|           | FEB.               | 3.8               | -18.3                        | 34.9     | 12.2                            | 4.6              | 23.1                        | 7.3               | -16.7                        | 27.9     | 11.9                            | -3.2             | 32.4  |
|           | MAR.               | 1.4               | -14.7                        | 31.3     | 13.0                            | 24.7             | 11.2                        | 5.3               | -16.0                        | 29.1     | 12.3                            | 5.6              | 24.8  |
|           | ABR.               | -5.9              | -9.8                         | 2.1      | 8.7                             | 26.4             | -6.8                        | 2.2               | -14.5                        | 20.7     | 11.3                            | 10.6             | 15.0  |
|           | MAY.               | -10.5             | -6.2                         | -31.6    | 7.5                             | 20.1             | -12.4                       | -0.7              | -12.9                        | 4.0      | 10.5                            | 12.5             | 8.1   |
|           | JUN.               | -6.0              | 10.5                         | -39.9    | 6.2                             | 15.4             | -10.1                       | -1.7              | -9.5                         | -7.6     | 9.8                             | 12.9             | 4.3   |
|           | JUL.               | -1.8              | 6.3                          | -29.8    | 6.4                             | 39.2             | -4.2                        | -1.7              | -7.5                         | -11.8    | 9.3                             | 16.4             | 2.8   |
|           | AGO.               | -3.4              | -3.1                         | -2.1     | 4.7                             | 44.5             | -6.4                        | -1.9              | -7.0                         | -10.6    | 8.7                             | 19.7             | 1.4   |
|           | SET.               | -6.4              | 0.4                          | -3.9     | 6.2                             | 42.4             | -13.6                       | -2.5              | -6.2                         | -9.7     | 8.4                             | 22.1             | -0.5  |
|           | OCT.               | 0.0               | -1.8                         | -0.7     | 5.9                             | 47.4             | -2.1                        | -2.2              | -5.8                         | -8.8     | 8.2                             | 24.5             | -0.7  |
|           | NOV.               | 1.4               | 0.0                          | 40.5     | 5.3                             | 45.7             | -4.5                        | -1.9              | -5.3                         | -5.2     | 7.9                             | 26.4             | -1.1  |
|           | DIC.               | 1.6               | 0.1                          | 18.4     | 4.9                             | 42.1             | -2.6                        | -1.6              | -4.8                         | -3.4     | 7.6                             | 27.6             | -1.2  |
| 2004      | ENE.               | -3.3              | 1.8                          | 45.6     | 2.9                             | 45.0             | -14.8                       | -3.3              | 1.8                          | 45.6     | 2.9                             | 45.0             | -14.8 |
|           | FEB.               | 0.3               | 10.8                         | 20.8     | 0.5                             | 22.9             | -9.0                        | -1.5              | 6.3                          | 32.4     | 1.7                             | 33.0             | -12.0 |
|           | MAR.               | 2.7               | 13.0                         | 16.2     | -0.3                            | 10.4             | -4.0                        | -0.1              | 8.6                          | 26.8     | 1.1                             | 24.6             | -9.4  |
|           | ABR.               | 6.5               | 14.8                         | 22.6     | -0.4                            | 6.9              | 2.3                         | 1.6               | 10.2                         | 25.7     | 0.7                             | 19.8             | -6.5  |
|           | MAY.               | 9.2               | 11.1                         | 32.0     | -1.3                            | 5.6              | 8.3                         | 3.2               | 10.4                         | 27.0     | 0.3                             | 16.7             | -3.4  |
|           | JUN.               | 7.7               | 11.1                         | 58.5     | -1.9                            | 10.7             | 1.9                         | 4.0               | 10.5                         | 32.4     | -0.1                            | 15.7             | -2.5  |
|           | JUL.               | 4.0               | 12.6                         | 57.2     | -1.0                            | -6.1             | -4.2                        | 4.0               | 10.8                         | 36.1     | -0.2                            | 12.3             | -2.7  |
|           | AGO.               | -7.4              | 20.2                         | 17.8     | 0.2                             | -9.2             | -23.5                       | 2.5               | 12.0                         | 33.6     | -0.2                            | 9.2              | -5.6  |
|           | SET.               | 2.1               | 15.0                         | 24.0     | -1.9                            | -13.4            | -4.9                        | 2.4               | 12.3                         | 32.3     | -0.4                            | 6.4              | -5.5  |
|           | OCT.               | -5.0              | 17.0                         | 31.2     | -1.2                            | -11.4            | -18.9                       | 1.6               | 12.8                         | 32.2     | -0.4                            | 4.4              | -7.0  |
|           | NOV.               | -0.4              | 20.3                         | 27.0     | 1.2                             | -6.7             | -12.9                       | 1.4               | 13.5                         | 31.6     | -0.3                            | 3.3              | -7.6  |
|           | DIC.               | 1.0               | 24.0                         | 3.9      | -5.9                            | -1.1             | -8.6                        | 1.4               | 14.4                         | 29.0     | -0.8                            | 2.9              | -7.7  |
| 2005      | ENE.               | 4.2               | 20.9                         | 0.0      | -5.8                            | -1.5             | -1.3                        | 4.2               | 20.9                         | 0.0      | -5.8                            | -1.5             | -1.3  |
|           | FEB.               | 3.2               | 22.6                         | -2.0     | -1.3                            | -2.8             | -5.1                        | 3.7               | 21.8                         | -1.0     | -3.6                            | -2.1             | -3.2  |
|           | MAR.               | 1.9               | 21.5                         | -5.1     | -3.2                            | -2.6             | -6.2                        | 3.1               | 21.7                         | -2.3     | -3.5                            | -2.3             | -4.2  |
|           | ABR.               | 0.8               | 20.5                         | 2.7      | -3.7                            | 0.1              | -9.5                        | 2.5               | 21.4                         | -1.0     | -3.5                            | -1.7             | -5.7  |
|           | MAY.               | 5.7               | 25.8                         | 14.3     | -1.6                            | 4.5              | -5.2                        | 3.2               | 22.3                         | 2.3      | -3.1                            | -0.5             | -5.6  |
|           | JUN.               | 7.3               | 32.1                         | -0.2     | -1.3                            | 2.7              | -2.6                        | 4.0               | 24.0                         | 1.8      | -2.8                            | 0.0              | -5.0  |
|           | JUL.               | 4.2               | 32.6                         | 10.0     | 0.9                             | 15.0             | -12.1                       | 4.0               | 25.3                         | 3.2      | -2.3                            | 2.0              | -6.1  |
|           | AGO.               | 14.4              | 31.0                         | 23.8     | 4.0                             | 18.8             | 4.1                         | 5.2               | 26.1                         | 5.8      | -1.5                            | 4.0              | -5.0  |
|           | SET.               | -0.8              | 34.4                         | -20.9    | 4.3                             | 23.3             | -17.7                       | 4.6               | 27.1                         | 2.5      | -0.9                            | 5.9              | -6.4  |
|           | OCT.               | 1.3               | 32.9                         | -20.0    | 3.3                             | 21.0             | -13.3                       | 4.2               | 27.7                         | -0.1     | -0.4                            | 7.4              | -7.1  |
|           | NOV.               | -2.0              | 27.7                         | -26.0    | 4.8                             | 17.4             | -15.7                       | 3.6               | 27.7                         | -2.8     | 0.0                             | 8.3              | -7.9  |
|           | DIC.               | 3.2               | 25.0                         | 0.9      | 11.5                            | 12.9             | -10.1                       | 3.6               | 27.4                         | -2.5     | 1.0                             | 8.7              | -8.1  |
| 2006      | ENE.               | 7.8               | 27.8                         | 4.0      | 9.1                             | 9.0              | -3.6                        | 7.8               | 27.8                         | 4.0      | 9.1                             | 9.0              | -3.6  |
|           | FEB.               | 6.4               | 18.2                         | 14.4     | 8.7                             | 9.6              | -3.0                        | 7.1               | 22.8                         | 9.0      | 8.9                             | 9.3              | -3.3  |
|           | MAR.               | 5.5               | 13.7                         | 14.8     | 11.1                            | 7.3              | -2.3                        | 6.6               | 19.5                         | 10.8     | 9.6                             | 8.6              | -3.0  |

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                   |                              |          |                                 |                  | VARIACIÓN PROMEDIO ANUAL 2/ |                   |                              |          |                                 |                  |
|-----------|--------------------|-------------------|------------------------------|----------|---------------------------------|------------------|-----------------------------|-------------------|------------------------------|----------|---------------------------------|------------------|
|           | Total              | Extractiv<br>a 3/ | Industria<br>manufactur<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ | Total                       | Extractiv<br>a 3/ | Industria<br>manufactur<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ |
| ABR.      | 2.1                | 11.3              | 0.6                          | 11.3     | 2.7                             | -4.7             | 5.4                         | 17.3              | 8.1                          | 10.0     | 7.1                             | -3.4             |
| MAY.      | -3.9               | 8.7               | -2.6                         | 11.5     | 0.5                             | -13.9            | 3.3                         | 15.5              | 5.5                          | 10.3     | 5.8                             | -5.9             |
| JUN.      | -5.1               | 1.0               | 0.3                          | 13.0     | 4.1                             | -13.0            | 1.7                         | 12.8              | 4.5                          | 10.8     | 5.5                             | -7.2             |
| JUL.      | -3.0               | 0.7               | -15.9                        | 9.6      | 1.6                             | -4.3             | 1.0                         | 10.8              | 0.7                          | 10.6     | 4.9                             | -6.8             |
| AGO.      | 3.0                | 0.9               | 15.3                         | 7.0      | -0.6                            | 1.6              | 1.2                         | 9.5               | 2.8                          | 10.1     | 4.2                             | -5.8             |
| SET.      | 7.9                | -2.0              | 47.4                         | 5.9      | 3.1                             | 8.9              | 2.0                         | 8.0               | 7.0                          | 9.6      | 4.1                             | -4.3             |
| OCT.      | 9.9                | -1.0              | 27.2                         | 4.9      | 0.6                             | 16.9             | 2.7                         | 7.0               | 8.9                          | 9.1      | 3.7                             | -2.4             |
| NOV.      | 12.2               | 2.0               | 29.4                         | 2.6      | 0.3                             | 20.1             | 3.6                         | 6.6               | 10.5                         | 8.5      | 3.4                             | -0.5             |
| DIC.      | 9.5                | 3.7               | 19.6                         | 3.6      | 0.1                             | 13.9             | 4.1                         | 6.3               | 11.2                         | 8.1      | 3.1                             | 0.7              |
| 2007 ENE. | 5.1                | 1.4               | 28.6                         | 4.1      | 2.0                             | 3.3              | 5.1                         | 1.4               | 28.6                         | 4.1      | 2.0                             | 3.3              |
| FEB.      | 0.6                | 1.3               | 25.7                         | 5.3      | 1.2                             | -6.5             | 2.8                         | 1.3               | 27.1                         | 4.7      | 1.6                             | -1.6             |
| MAR.      | 0.9                | -3.2              | 45.7                         | 8.7      | 3.5                             | -6.9             | 2.2                         | -0.2              | 33.1                         | 6.0      | 2.2                             | -3.4             |
| ABR.      | -1.0               | -4.1              | 34.1                         | 8.7      | 5.2                             | -8.1             | 1.4                         | -1.2              | 33.3                         | 6.7      | 2.9                             | -4.6             |
| MAY.      | -3.8               | -3.8              | 8.7                          | 7.4      | 7.6                             | -9.8             | 0.3                         | -1.7              | 27.8                         | 6.8      | 3.8                             | -5.7             |
| JUN.      | -6.4               | -3.2              | 8.1                          | 5.0      | 3.8                             | -14.8            | -0.9                        | -2.0              | 24.0                         | 6.5      | 3.8                             | -7.3             |
| JUL.      | -4.0               | -3.2              | 29.5                         | 6.4      | 4.5                             | -14.2            | -1.4                        | -2.2              | 24.8                         | 6.5      | 3.9                             | -8.4             |
| AGO.      | -1.4               | -0.6              | 19.6                         | 6.4      | 5.0                             | -9.2             | -1.4                        | -2.0              | 24.0                         | 6.5      | 4.1                             | -8.5             |
| SET.      | 6.8                | -0.5              | 77.3                         | 7.5      | 2.2                             | -4.8             | -0.4                        | -1.8              | 31.0                         | 6.6      | 3.8                             | -8.1             |
| OCT.      | 7.6                | 0.8               | 111.9                        | 10.3     | 4.3                             | -10.0            | 0.4                         | -1.5              | 39.8                         | 7.0      | 3.9                             | -8.3             |
| NOV.      | 11.0               | 0.3               | 141.0                        | 11.0     | 3.9                             | -6.7             | 1.4                         | -1.4              | 49.1                         | 7.3      | 3.9                             | -8.1             |
| DIC.      | 5.7                | -1.8              | 111.8                        | 10.5     | 7.0                             | -11.4            | 1.8                         | -1.4              | 54.5                         | 7.6      | 4.2                             | -8.4             |
| 2008 ENE. | 5.2                | -0.8              | 67.1                         | 14.4     | 9.3                             | -7.8             | 5.2                         | -0.8              | 67.1                         | 14.4     | 9.3                             | -7.8             |
| FEB.      | 8.7                | 0.0               | 56.5                         | 10.7     | 3.7                             | 3.2              | 7.0                         | -0.4              | 61.8                         | 12.5     | 6.5                             | -2.6             |
| MAR.      | 9.2                | 11.6              | 28.8                         | 6.3      | 9.9                             | 2.6              | 7.7                         | 3.5               | 50.2                         | 10.4     | 7.6                             | -0.9             |
| ABR.      | 8.3                | 7.5               | 22.0                         | 6.8      | 13.1                            | 4.8              | 7.8                         | 4.5               | 43.3                         | 9.4      | 9.0                             | 0.5              |
| MAY.      | 11.6               | 15.4              | 23.1                         | 5.8      | 10.4                            | 7.5              | 8.6                         | 6.7               | 39.4                         | 8.7      | 9.2                             | 1.9              |
| JUN.      | 10.2               | 14.1              | 7.1                          | 8.8      | 12.1                            | 8.2              | 8.9                         | 7.9               | 33.9                         | 8.7      | 9.7                             | 3.0              |
| JUL.      | 7.4                | 9.2               | -9.2                         | 8.0      | 8.5                             | 10.5             | 8.7                         | 8.1               | 27.0                         | 8.6      | 9.5                             | 4.1              |
| AGO.      | 2.5                | 6.0               | -17.1                        | 10.1     | 5.9                             | 3.8              | 7.8                         | 7.8               | 20.2                         | 8.8      | 9.1                             | 4.0              |
| SET.      | -5.0               | 3.5               | -42.2                        | 10.4     | 5.4                             | 0.3              | 6.3                         | 7.3               | 9.1                          | 9.0      | 8.6                             | 3.6              |
| OCT.      | -6.5               | 5.9               | -46.3                        | 7.6      | 3.8                             | -0.7             | 4.8                         | 7.2               | -0.1                         | 8.8      | 8.1                             | 3.1              |
| NOV.      | -9.4               | 4.6               | -50.0                        | 3.5      | 4.1                             | -3.6             | 3.3                         | 6.9               | -7.5                         | 8.3      | 7.8                             | 2.4              |
| DIC.      | -6.0               | 3.9               | -45.8                        | 2.4      | 3.5                             | 2.1              | 2.4                         | 6.7               | -12.0                        | 7.8      | 7.4                             | 2.4              |
| 2009 ENE. | -9.0               | 5.2               | -56.7                        | 0.6      | -0.7                            | -2.1             | -9.0                        | 5.2               | -56.7                        | 0.6      | -0.7                            | -2.1             |
| FEB.      | -14.0              | 0.7               | -51.2                        | -0.2     | -3.0                            | -15.4            | -11.5                       | 2.9               | -54.0                        | 0.2      | -1.8                            | -8.8             |
| MAR.      | -14.2              | -9.4              | -45.5                        | 0.4      | -7.7                            | -11.6            | -12.4                       | -1.4              | -51.5                        | 0.3      | -3.8                            | -9.7             |
| ABR.      | -10.2              | -6.0              | -41.8                        | 1.0      | -8.3                            | -6.5             | -11.9                       | -2.6              | -49.4                        | 0.4      | -4.9                            | -8.9             |
| MAY.      | -10.1              | -12.6             | -38.2                        | -0.2     | -10.0                           | -2.4             | -11.5                       | -4.8              | -47.5                        | 0.3      | -5.9                            | -7.5             |
| JUN.      | -8.7               | -12.7             | -31.6                        | 0.2      | -11.7                           | -1.2             | -11.0                       | -6.1              | -45.4                        | 0.3      | -6.9                            | -6.4             |
| JUL.      | -9.6               | -12.0             | -29.8                        | -2.7     | -11.5                           | -3.9             | -10.8                       | -7.0              | -43.6                        | -0.1     | -7.6                            | -6.0             |
| AGO.      | -10.3              | -11.2             | -34.1                        | -4.2     | -10.4                           | -4.3             | -10.7                       | -7.5              | -42.6                        | -0.7     | -7.9                            | -5.8             |
| SET.      | -9.6               | -8.9              | -32.2                        | -4.3     | -10.7                           | -4.8             | -10.6                       | -7.7              | -41.6                        | -1.1     | -8.2                            | -5.7             |
| OCT.      | -9.2               | -12.0             | -38.4                        | -0.6     | -9.2                            | -0.5             | -10.5                       | -8.1              | -41.3                        | -1.0     | -8.3                            | -5.1             |
| NOV.      | -8.5               | -9.7              | -36.2                        | 2.7      | -10.4                           | -2.3             | -10.3                       | -8.3              | -40.9                        | -0.7     | -8.5                            | -4.8             |
| DIC.      | -6.8               | -6.4              | -24.2                        | -0.6     | -10.1                           | -3.2             | -10.0                       | -8.1              | -39.7                        | -0.7     | -8.6                            | -4.7             |
| 2010 ENE. | -4.9               | -5.5              | 11.0                         | -1.4     | -10.6                           | -8.9             | -4.9                        | -5.5              | 11.0                         | -1.4     | -10.6                           | -8.9             |
| FEB.      | 1.0                | -4.2              | 7.9                          | -0.4     | -3.8                            | 4.1              | -2.0                        | -4.8              | 9.4                          | -0.9     | -7.4                            | -2.9             |
| MAR.      | 2.9                | -0.7              | 10.6                         | -1.5     | -1.6                            | 5.2              | -0.4                        | -3.5              | 9.8                          | -1.1     | -5.5                            | -0.2             |
| ABR.      | 4.4                | 0.0               | 16.9                         | -2.2     | -1.4                            | 7.8              | 0.8                         | -2.6              | 11.5                         | -1.4     | -4.5                            | 1.9              |
| MAY.      | 1.9                | 0.6               | 16.6                         | -0.8     | 0.3                             | 0.9              | 1.1                         | -2.0              | 12.5                         | -1.2     | -3.6                            | 1.7              |
| JUN.      | 3.1                | 5.0               | 11.5                         | -1.1     | 3.9                             | 1.2              | 1.4                         | -0.9              | 12.4                         | -1.2     | -2.4                            | 1.6              |
| JUL.      | 6.1                | 9.5               | 14.5                         | 1.3      | 4.0                             | 4.1              | 2.1                         | 0.5               | 12.7                         | -0.9     | -1.5                            | 2.0              |
| AGO.      | 6.2                | 11.1              | 13.2                         | -0.3     | 6.0                             | 3.1              | 2.6                         | 1.8               | 12.7                         | -0.8     | -0.6                            | 2.1              |
| SET.      | 8.7                | 12.1              | 20.7                         | 1.6      | 6.0                             | 6.0              | 3.3                         | 2.9               | 13.6                         | -0.5     | 0.1                             | 2.6              |
| OCT.      | 7.4                | 11.5              | 31.4                         | 1.1      | 4.6                             | 2.0              | 3.7                         | 3.8               | 15.3                         | -0.4     | 0.6                             | 2.5              |
| NOV.      | 9.2                | 11.9              | 29.8                         | 2.4      | 5.1                             | 5.8              | 4.2                         | 4.5               | 16.5                         | -0.1     | 1.0                             | 2.8              |
| DIC.      | 3.6                | 12.6              | -32.4                        | 7.5      | 2.8                             | 5.2              | 4.2                         | 5.2               | 12.1                         | 0.5      | 1.1                             | 3.1              |
| 2011 ENE. | 7.6                | 14.6              | -30.0                        | 5.6      | 4.7                             | 14.3             | 7.6                         | 14.6              | -30.0                        | 5.6      | 4.7                             | 14.3             |
| FEB.      | 7.7                | 14.8              | -32.8                        | 10.3     | 3.6                             | 14.3             | 7.7                         | 14.7              | -31.4                        | 7.9      | 4.2                             | 14.3             |
| MAR.      | 9.7                | 15.0              | -24.2                        | 14.5     | 3.0                             | 15.8             | 8.4                         | 14.8              | -29.0                        | 10.1     | 3.8                             | 14.8             |
| ABR.      | 7.3                | 14.2              | -18.2                        | 13.3     | 0.2                             | 9.0              | 8.1                         | 14.6              | -26.2                        | 10.9     | 2.9                             | 13.2             |
| MAY.      | 9.0                | 17.5              | -29.1                        | 15.1     | 2.4                             | 13.0             | 8.3                         | 15.2              | -26.8                        | 11.7     | 2.8                             | 13.1             |
| JUN.      | 8.9                | 16.9              | -35.0                        | 16.7     | 0.8                             | 14.3             | 8.4                         | 15.5              | -28.2                        | 12.6     | 2.4                             | 13.4             |



**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                   |                              |          |                                 |                  | VARIACIÓN PROMEDIO ANUAL 2/ |                   |                              |          |                                 |                  |
|-----------|--------------------|-------------------|------------------------------|----------|---------------------------------|------------------|-----------------------------|-------------------|------------------------------|----------|---------------------------------|------------------|
|           | Total              | Extractiv<br>a 3/ | Industria<br>manufactur<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ | Total                       | Extractiv<br>a 3/ | Industria<br>manufactur<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ |
| JUL.      | 7.1                | 14.0              | -34.6                        | 14.5     | 3.0                             | 12.0             | 8.2                         | 15.3              | -29.1                        | 12.8     | 2.5                             | 13.1             |
| AGO.      | 7.3                | 10.9              | -32.0                        | 15.1     | 2.0                             | 13.9             | 8.1                         | 14.7              | -29.5                        | 13.1     | 2.5                             | 13.2             |
| SET.      | 6.4                | 10.0              | -36.2                        | 14.5     | 3.8                             | 14.1             | 7.9                         | 14.1              | -30.3                        | 13.3     | 2.6                             | 13.3             |
| OCT.      | 8.0                | 13.6              | -35.5                        | 13.3     | 5.2                             | 15.1             | 7.9                         | 14.1              | -30.8                        | 13.3     | 2.9                             | 13.5             |
| NOV.      | 7.3                | 11.0              | -35.0                        | 17.8     | 7.6                             | 13.1             | 7.8                         | 13.8              | -31.2                        | 13.7     | 3.3                             | 13.5             |
| DIC.      | 11.4               | 9.8               | 7.9                          | 15.3     | 7.3                             | 13.1             | 8.2                         | 13.4              | -29.1                        | 13.9     | 3.7                             | 13.5             |
| 2012 ENE. | 11.1               | 5.9               | 2.0                          | 19.4     | 7.6                             | 15.8             | 11.1                        | 5.9               | 2.0                          | 19.4     | 7.6                             | 15.8             |
| FEB.      | 8.7                | 6.7               | 9.6                          | 12.2     | 8.9                             | 9.1              | 9.9                         | 6.3               | 5.8                          | 15.7     | 8.3                             | 12.5             |
| MAR.      | 7.4                | 6.4               | -6.3                         | 9.8      | 9.2                             | 9.8              | 9.0                         | 6.3               | 1.4                          | 13.7     | 8.6                             | 11.5             |
| ABR.      | 9.7                | 9.2               | -13.3                        | 10.9     | 11.4                            | 14.4             | 9.2                         | 7.0               | -2.7                         | 13.0     | 9.3                             | 12.3             |
| MAY.      | 10.4               | 5.8               | 0.3                          | 17.0     | 10.2                            | 14.0             | 9.5                         | 6.8               | -2.1                         | 13.8     | 9.5                             | 12.7             |
| JUN.      | 9.9                | 2.1               | 17.0                         | 16.2     | 11.2                            | 13.0             | 9.5                         | 6.0               | 0.8                          | 14.2     | 9.7                             | 12.8             |
| JUL.      | 8.4                | -1.5              | 15.0                         | 18.9     | 8.7                             | 12.2             | 9.4                         | 4.9               | 2.7                          | 14.9     | 9.6                             | 12.7             |
| AGO.      | 8.4                | 1.2               | 9.9                          | 17.4     | 8.8                             | 11.4             | 9.2                         | 4.4               | 3.6                          | 15.2     | 9.5                             | 12.5             |
| SET.      | 5.7                | -1.3              | 5.7                          | 14.7     | 8.8                             | 8.1              | 8.8                         | 3.7               | 3.8                          | 15.2     | 9.4                             | 12.0             |
| OCT.      | -2.2               | -18.9             | 0.2                          | 14.3     | 6.4                             | 4.3              | 7.7                         | 1.4               | 3.4                          | 15.1     | 9.1                             | 11.1             |
| NOV.      | -3.9               | -20.8             | -4.3                         | 15.2     | 2.9                             | 2.0              | 6.5                         | -0.7              | 2.7                          | 15.1     | 8.5                             | 10.2             |
| DIC.      | -4.6               | -23.2             | 1.9                          | 18.2     | 1.9                             | 0.5              | 5.5                         | -2.7              | 2.6                          | 15.4     | 7.9                             | 9.3              |
| 2013 ENE. | -4.7               | -20.2             | 1.9                          | 15.8     | 0.7                             | -0.9             | -4.7                        | -20.2             | 1.9                          | 15.8     | 0.7                             | -0.9             |
| FEB.      | -8.4               | -27.3             | -4.8                         | 17.2     | 1.3                             | -3.2             | -6.5                        | -23.7             | -1.5                         | 16.5     | 1.0                             | -2.0             |
| MAR.      | -9.3               | -27.7             | -2.2                         | 15.3     | 3.4                             | -5.8             | -7.5                        | -25.1             | -1.7                         | 16.1     | 1.8                             | -3.3             |
| ABR.      | -11.9              | -30.5             | 3.4                          | 13.4     | 3.5                             | -10.2            | -8.6                        | -26.5             | -0.5                         | 15.4     | 2.2                             | -5.2             |
| MAY.      | -15.0              | -31.5             | -0.2                         | 6.0      | -0.4                            | -14.0            | -10.0                       | -27.5             | -0.4                         | 13.4     | 1.7                             | -7.2             |
| JUN.      | -15.5              | -30.6             | -5.4                         | 3.3      | -7.4                            | -13.5            | -11.0                       | -28.0             | -1.3                         | 11.6     | 0.1                             | -8.4             |
| JUL.      | -15.4              | -30.0             | -5.6                         | 2.2      | -7.1                            | -13.9            | -11.6                       | -28.3             | -1.9                         | 10.2     | -0.9                            | -9.3             |
| AGO.      | -16.3              | -32.0             | -16.0                        | 3.4      | -8.3                            | -12.5            | -12.2                       | -28.7             | -3.7                         | 9.3      | -1.9                            | -9.7             |
| SET.      | -17.6              | -31.9             | -14.7                        | 5.9      | -10.6                           | -16.4            | -12.8                       | -29.1             | -4.9                         | 8.9      | -2.9                            | -10.5            |
| OCT.      | -10.8              | -20.1             | -13.8                        | 11.1     | -9.7                            | -11.5            | -12.6                       | -28.3             | -5.8                         | 9.1      | -3.6                            | -10.6            |
| NOV.      | -11.5              | -19.2             | -11.1                        | -0.8     | -8.5                            | -10.9            | -12.5                       | -27.6             | -6.2                         | 8.2      | -4.0                            | -10.6            |
| DIC.      | -11.2              | -17.9             | -5.7                         | -5.1     | -8.3                            | -10.8            | -12.4                       | -27.0             | -6.2                         | 6.9      | -4.4                            | -10.6            |
| 2014 ENE. | -10.2              | -17.8             | -6.4                         | -2.7     | -8.9                            | -8.9             | -10.2                       | -17.8             | -6.4                         | -2.7     | -8.9                            | -8.9             |
| FEB.      | -9.9               | -13.0             | -8.4                         | -4.9     | -9.5                            | -9.9             | -10.0                       | -15.5             | -7.4                         | -3.8     | -9.2                            | -9.4             |
| MAR.      | -10.5              | -13.1             | -7.6                         | -5.6     | -11.5                           | -10.9            | -10.2                       | -14.7             | -7.5                         | -4.4     | -10.0                           | -9.9             |
| ABR.      | -10.8              | -14.1             | -11.2                        | -4.1     | -14.4                           | -10.3            | -10.4                       | -14.6             | -8.5                         | -4.3     | -11.1                           | -10.0            |
| MAY.      | -9.3               | -13.7             | -10.4                        | -5.4     | -13.0                           | -6.9             | -10.1                       | -14.4             | -8.8                         | -4.5     | -11.5                           | -9.3             |
| JUN.      | -9.5               | -13.1             | -9.9                         | -7.6     | -9.1                            | -7.7             | -10.0                       | -14.2             | -9.0                         | -5.0     | -11.1                           | -9.0             |
| JUL.      | -8.0               | -9.9              | -8.0                         | -7.4     | -8.2                            | -6.6             | -9.7                        | -13.6             | -8.9                         | -5.4     | -10.7                           | -8.7             |
| AGO.      | -7.1               | -10.2             | 2.9                          | -8.4     | -6.6                            | -6.1             | -9.4                        | -13.2             | -7.6                         | -5.8     | -10.2                           | -8.3             |
| SET.      | -4.9               | -8.5              | 3.5                          | -10.1    | -4.0                            | -1.9             | -8.9                        | -12.7             | -6.5                         | -6.2     | -9.6                            | -7.7             |
| OCT.      | -5.4               | -8.8              | 4.3                          | -15.4    | -1.6                            | -1.3             | -8.6                        | -12.3             | -5.6                         | -7.2     | -8.8                            | -7.0             |
| NOV.      | -5.7               | -7.3              | -0.4                         | -10.6    | 1.7                             | -4.7             | -8.3                        | -11.9             | -5.1                         | -7.5     | -7.9                            | -6.8             |
| DIC.      | -5.8               | -7.9              | -8.5                         | -5.3     | 3.0                             | -5.6             | -8.1                        | -11.6             | -5.4                         | -7.3     | -7.0                            | -6.7             |
| 2015 ENE. | -6.7               | -9.9              | -6.5                         | -7.1     | 4.7                             | -6.8             | -6.7                        | -9.9              | -6.5                         | -7.1     | 4.7                             | -6.8             |
| FEB.      | -5.0               | -12.2             | -6.8                         | -4.8     | 8.6                             | -3.1             | -5.9                        | -11.0             | -6.7                         | -6.0     | 6.6                             | -5.0             |
| MAR.      | -5.3               | -11.5             | -9.2                         | -3.6     | 8.2                             | -4.4             | -5.7                        | -11.1             | -7.5                         | -5.2     | 7.2                             | -4.8             |
| ABR.      | -2.0               | -10.0             | -9.0                         | -3.5     | 11.3                            | 1.9              | -4.8                        | -10.9             | -7.9                         | -4.8     | 8.2                             | -3.1             |
| MAY.      | -2.0               | -9.5              | -7.6                         | -2.0     | 13.1                            | 0.3              | -4.2                        | -10.6             | -7.8                         | -4.2     | 9.1                             | -2.3             |
| JUN.      | -0.5               | -11.0             | -6.7                         | -0.6     | 18.3                            | 3.0              | -3.6                        | -10.7             | -7.6                         | -3.6     | 10.6                            | -1.4             |
| JUL.      | -0.2               | -11.7             | -7.3                         | -0.6     | 16.2                            | 4.6              | -3.1                        | -10.8             | -7.6                         | -3.2     | 11.4                            | -0.5             |
| AGO.      | 0.8                | -11.0             | -3.2                         | 1.3      | 15.1                            | 5.0              | -2.6                        | -10.8             | -7.0                         | -2.7     | 11.8                            | 0.2              |
| SET.      | -1.0               | -12.2             | -9.4                         | -1.3     | 9.0                             | 4.7              | -2.4                        | -11.0             | -7.3                         | -2.5     | 11.5                            | 0.8              |
| OCT.      | -3.9               | -12.7             | -8.9                         | -1.5     | 4.8                             | -1.1             | -2.6                        | -11.1             | -7.5                         | -2.4     | 10.8                            | 0.6              |
| NOV.      | -2.8               | -13.0             | -8.4                         | -3.9     | 1.3                             | 3.0              | -2.6                        | -11.3             | -7.5                         | -2.6     | 9.9                             | 0.8              |
| DIC.      | -1.5               | -12.4             | -8.8                         | -6.1     | 2.9                             | 6.6              | -2.5                        | -11.4             | -7.6                         | -2.9     | 9.3                             | 1.3              |
| 2016 ENE. | -0.7               | -13.4             | -5.9                         | -3.8     | 2.0                             | 8.3              | -0.7                        | -13.4             | -5.9                         | -3.8     | 2.0                             | 8.3              |
| FEB.      | -1.5               | -10.2             | -2.3                         | -4.7     | 1.1                             | 4.5              | -1.1                        | -11.8             | -4.1                         | -4.3     | 1.6                             | 6.5              |
| MAR.      | -0.6               | -10.9             | -5.6                         | -3.7     | 2.6                             | 6.8              | -0.9                        | -11.5             | -4.6                         | -4.1     | 1.9                             | 6.6              |
| ABR.      | -3.6               | -11.7             | -8.1                         | -5.7     | -1.0                            | 1.5              | -1.6                        | -11.6             | -5.5                         | -4.5     | 1.2                             | 5.2              |
| MAY.      | -2.9               | -11.4             | -11.5                        | -4.1     | 0.0                             | 2.3              | -1.9                        | -11.5             | -6.7                         | -4.4     | 0.9                             | 4.6              |
| JUN.      | -4.5               | -11.2             | -13.3                        | -2.8     | -3.1                            | -1.1             | -2.3                        | -11.5             | -7.8                         | -4.1     | 0.2                             | 3.5              |
| JUL.      | -4.9               | -11.0             | -12.7                        | -3.8     | -2.0                            | -2.2             | -2.7                        | -11.4             | -8.5                         | -4.1     | -0.1                            | 2.6              |
| AGO.      | -7.1               | -10.0             | -25.3                        | -5.0     | -2.4                            | -4.6             | -3.3                        | -11.2             | -10.7                        | -4.2     | -0.4                            | 1.6              |
| SET.      | -4.1               | -6.6              | -18.2                        | -4.4     | 4.9                             | -2.3             | -3.4                        | -10.7             | -11.5                        | -4.2     | 0.2                             | 1.1              |

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019  
(Variación porcentual)**

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                   |                              |          |                                 |                  | VARIACIÓN PROMEDIO ANUAL 2/ |                   |                              |          |                                 |                  |       |
|-----------|--------------------|-------------------|------------------------------|----------|---------------------------------|------------------|-----------------------------|-------------------|------------------------------|----------|---------------------------------|------------------|-------|
|           | Total              | Extractiv<br>a 3/ | Industria<br>manufactur<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ | Total                       | Extractiv<br>a 3/ | Industria<br>manufactur<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ |       |
| 2017      | OCT.               | 0.0               | -0.3                         | -14.2    | -1.8                            | 7.5              | 1.7                         | -3.0              | -9.7                         | -11.7    | -4.0                            | 0.9              | 1.2   |
|           | NOV.               | -0.8              | -0.4                         | -11.3    | 0.1                             | 7.6              | -1.2                        | -2.8              | -8.9                         | -11.7    | -3.6                            | 1.5              | 1.0   |
|           | DIC.               | -1.5              | 0.3                          | -10.0    | -0.5                            | 5.4              | -2.6                        | -2.7              | -8.2                         | -11.6    | -3.4                            | 1.8              | 0.6   |
|           | ENE.               | -5.1              | 2.1                          | -14.3    | -2.5                            | 5.5              | -9.7                        | -5.1              | 2.1                          | -14.3    | -2.5                            | 5.5              | -9.7  |
|           | FEB.               | -1.5              | 3.8                          | -11.3    | -0.8                            | 2.9              | -3.1                        | -3.4              | 3.0                          | -12.8    | -1.6                            | 4.2              | -6.5  |
|           | MAR.               | -1.1              | 4.5                          | -7.6     | -1.4                            | 1.5              | -2.5                        | -2.6              | 3.5                          | -11.1    | -1.6                            | 3.3              | -5.2  |
|           | ABR.               | 1.4               | 5.5                          | -4.9     | 1.3                             | 4.6              | 0.4                         | -1.6              | 4.0                          | -9.6     | -0.8                            | 3.6              | -3.7  |
|           | MAY.               | -1.1              | 5.1                          | -5.0     | 0.5                             | 2.0              | -4.1                        | -1.5              | 4.2                          | -8.7     | -0.6                            | 3.3              | -3.8  |
|           | JUN.               | 0.3               | 5.9                          | 0.2      | -0.9                            | 5.4              | -2.0                        | -1.2              | 4.5                          | -7.3     | -0.6                            | 3.6              | -3.5  |
|           | JUL.               | 0.3               | 5.5                          | -1.2     | 0.0                             | 2.8              | -1.6                        | -1.0              | 4.6                          | -6.4     | -0.6                            | 3.5              | -3.2  |
| 2018      | AGO.               | -0.5              | 3.8                          | 11.9     | 0.1                             | 3.1              | -4.7                        | -0.9              | 4.5                          | -4.5     | -0.5                            | 3.5              | -3.4  |
|           | SET.               | -1.2              | 0.7                          | 6.5      | 1.3                             | -2.7             | -3.6                        | -0.9              | 4.1                          | -3.4     | -0.3                            | 2.7              | -3.4  |
|           | OCT.               | -2.6              | -3.5                         | 1.4      | -1.2                            | -4.6             | -2.8                        | -1.1              | 3.3                          | -3.0     | -0.4                            | 2.0              | -3.3  |
|           | NOV.               | -2.4              | -2.9                         | 3.0      | -3.7                            | -3.5             | -1.9                        | -1.2              | 2.7                          | -2.5     | -0.7                            | 1.4              | -3.2  |
|           | DIC.               | -2.9              | -4.4                         | -2.0     | -4.2                            | -1.0             | -2.0                        | -1.4              | 2.1                          | -2.4     | -1.0                            | 1.2              | -3.1  |
|           | ENE.               | -0.4              | -5.7                         | -1.3     | -4.2                            | -0.9             | 4.1                         | -0.4              | -5.7                         | -1.3     | -4.2                            | -0.9             | 4.1   |
|           | FEB.               | -2.6              | -6.1                         | 8.2      | -5.7                            | -1.9             | -1.4                        | -1.5              | -5.9                         | 3.5      | -5.0                            | -1.4             | 1.3   |
|           | MAR.               | -2.8              | -6.6                         | 5.2      | -6.2                            | -1.2             | -1.4                        | -1.9              | -6.1                         | 4.1      | -5.4                            | -1.3             | 0.4   |
|           | ABR.               | -3.8              | -6.0                         | 7.1      | -6.6                            | -1.0             | -4.0                        | -2.4              | -6.1                         | 4.9      | -5.7                            | -1.2             | -0.8  |
|           | MAY.               | -1.7              | -6.2                         | 9.4      | -8.0                            | 0.2              | 0.9                         | -2.3              | -6.1                         | 5.8      | -6.1                            | -1.0             | -0.4  |
| 2019      | JUN.               | -3.1              | -7.0                         | 4.9      | -6.6                            | -3.4             | -1.2                        | -2.4              | -6.3                         | 5.6      | -6.2                            | -1.4             | -0.6  |
|           | JUL.               | -4.1              | -7.3                         | 5.9      | -7.7                            | -4.1             | -2.7                        | -2.7              | -6.4                         | 5.7      | -6.4                            | -1.8             | -0.9  |
|           | AGO.               | -3.0              | -6.9                         | 11.6     | -6.8                            | -2.0             | -2.1                        | -2.7              | -6.5                         | 6.4      | -6.5                            | -1.8             | -1.1  |
|           | SET.               | -0.8              | -6.9                         | 17.2     | -5.7                            | -0.6             | 1.2                         | -2.5              | -6.5                         | 7.6      | -6.4                            | -1.7             | -0.8  |
|           | OCT.               | -2.3              | -6.6                         | 18.7     | -5.5                            | -0.1             | -2.4                        | -2.5              | -6.5                         | 8.6      | -6.3                            | -1.5             | -1.0  |
|           | NOV.               | -1.7              | -8.1                         | 19.2     | -3.4                            | 1.6              | -1.9                        | -2.4              | -6.7                         | 9.6      | -6.1                            | -1.2             | -1.1  |
|           | DIC.               | -0.9              | -6.8                         | 24.6     | -2.1                            | 2.0              | -2.0                        | -2.3              | -6.7                         | 10.8     | -5.7                            | -1.0             | -1.2  |
|           | ENE.               | -4.4              | -5.6                         | 23.1     | -1.9                            | -1.3             | -10.1                       | -4.4              | -5.6                         | 23.1     | -1.9                            | -1.3             | -10.1 |
|           | FEB.               | -2.7              | -5.6                         | 8.5      | -3.2                            | 0.1              | -4.1                        | -3.5              | -5.6                         | 15.3     | -2.6                            | -0.6             | -7.2  |
|           | MAR.               | -2.0              | -5.3                         | 8.6      | -3.0                            | -0.2             | -2.3                        | -3.0              | -5.5                         | 13.0     | -2.7                            | -0.5             | -5.6  |
| 2019      | ABR.               | -1.0              | 0.9                          | 5.8      | -3.7                            | -3.2             | -0.8                        | -2.5              | -3.9                         | 11.1     | -3.0                            | -1.2             | -4.3  |
|           | MAY.               | -0.7              | 2.5                          | 7.2      | -3.4                            | -2.8             | -1.2                        | -2.1              | -2.6                         | 10.3     | -3.0                            | -1.5             | -3.6  |
|           | JUN.               | -0.5              | 2.6                          | 4.4      | -1.9                            | 0.6              | -1.7                        | -1.9              | -1.8                         | 9.3      | -2.8                            | -1.1             | -3.3  |
|           | JUL.               | -0.4              | 3.7                          | -3.6     | 1.6                             | -0.6             | -2.1                        | -1.6              | -1.0                         | 7.4      | -2.2                            | -1.1             | -3.1  |
|           | AGO.               | -1.4              | 3.4                          | -6.6     | 0.1                             | -1.6             | -2.8                        | -1.6              | -0.5                         | 5.5      | -1.9                            | -1.1             | -3.1  |

**Nota:** La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en enero 2001.

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).

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A 49 TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                   |                                |          |                                 |                  | VARIACIÓN PROMEDIO ANUAL 2/ |                   |                                |          |                                 |                  |
|-----------|--------------------|-------------------|--------------------------------|----------|---------------------------------|------------------|-----------------------------|-------------------|--------------------------------|----------|---------------------------------|------------------|
|           | Total              | Extractiv<br>a 3/ | Industria<br>manufacturer<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ | Total                       | Extractiv<br>a 3/ | Industria<br>manufacturer<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ |
| 2001 ENE. | 4.9                | -12.6             | -44.3                          | 6.4      | 8.3                             | 17.6             | 4.9                         | -12.6             | -44.3                          | 6.4      | 8.3                             | 17.6             |
| FEB.      | -2.6               | -0.2              | -47.8                          | 7.1      | 2.8                             | 4.3              | 1.0                         | -5.7              | -46.0                          | 6.7      | 5.5                             | 10.6             |
| MAR.      | -1.4               | 22.0              | -45.4                          | 6.2      | 2.8                             | 3.4              | 0.2                         | 4.5               | -45.8                          | 6.6      | 4.6                             | 8.1              |
| ABR.      | 3.8                | 25.4              | -11.9                          | 4.9      | 3.5                             | 5.6              | 1.1                         | 10.1              | -37.7                          | 6.1      | 4.3                             | 7.4              |
| MAY.      | 4.6                | 8.9               | 9.5                            | 6.0      | 3.8                             | 5.1              | 1.9                         | 9.9               | -28.1                          | 6.1      | 4.2                             | 6.9              |
| JUN.      | 2.8                | 9.6               | 3.5                            | 3.3      | 2.2                             | 4.0              | 2.0                         | 9.8               | -22.8                          | 5.6      | 3.9                             | 6.4              |
| JUL.      | 3.4                | 3.1               | 14.6                           | 5.7      | -4.0                            | 4.7              | 2.2                         | 8.7               | -17.5                          | 5.6      | 2.7                             | 6.1              |
| AGO.      | 4.6                | 5.7               | 31.1                           | 5.4      | -0.3                            | 4.4              | 2.5                         | 8.3               | -12.1                          | 5.6      | 2.3                             | 5.9              |
| SET.      | 4.0                | 10.8              | -5.3                           | 8.4      | -5.0                            | 7.7              | 2.7                         | 8.6               | -11.3                          | 5.9      | 1.4                             | 6.1              |
| OCT.      | 4.3                | 8.6               | -7.1                           | 10.8     | -2.8                            | 6.3              | 2.9                         | 8.6               | -10.8                          | 6.4      | 1.0                             | 6.1              |
| NOV.      | 2.3                | 11.8              | 9.1                            | 9.5      | -5.3                            | -0.7             | 2.8                         | 8.9               | -9.2                           | 6.7      | 0.4                             | 5.5              |
| DIC.      | 3.6                | 9.0               | 13.8                           | 9.2      | -9.8                            | 0.5              | 2.9                         | 8.9               | -7.8                           | 6.9      | -0.5                            | 5.0              |
| 2002 ENE. | 0.9                | -15.0             | 28.1                           | 5.0      | -5.7                            | -4.7             | 0.9                         | -15.0             | 28.1                           | 5.0      | -5.7                            | -4.7             |
| FEB.      | 1.3                | 3.1               | 48.7                           | 3.3      | -2.4                            | -7.5             | 1.1                         | -4.4              | 37.9                           | 4.1      | -4.0                            | -6.1             |
| MAR.      | 0.2                | 7.2               | 49.3                           | 3.7      | -11.2                           | -6.9             | 0.8                         | 0.6               | 41.6                           | 4.0      | -6.4                            | -6.4             |
| ABR.      | 2.3                | 3.5               | 27.4                           | 6.1      | -8.5                            | 0.1              | 1.2                         | 1.5               | 36.8                           | 4.5      | -6.9                            | -4.7             |
| MAY.      | 3.7                | 22.1              | 42.2                           | 5.0      | -6.5                            | -1.1             | 1.7                         | 6.0               | 38.4                           | 4.6      | -6.8                            | -3.9             |
| JUN.      | 8.3                | 21.4              | 92.7                           | 7.9      | -7.3                            | 1.3              | 2.9                         | 8.8               | 50.7                           | 5.2      | -6.9                            | -3.0             |
| JUL.      | 8.5                | 50.2              | 86.9                           | 3.8      | -14.6                           | 3.0              | 3.8                         | 15.0              | 57.8                           | 5.0      | -8.0                            | -2.1             |
| AGO.      | 10.8               | 82.2              | 84.5                           | 4.2      | -17.0                           | 4.1              | 4.7                         | 23.9              | 62.2                           | 4.9      | -9.2                            | -1.3             |
| SET.      | 20.6               | 82.6              | 108.2                          | 1.3      | -10.7                           | 18.4             | 6.6                         | 30.9              | 68.1                           | 4.5      | -9.3                            | 1.1              |
| OCT.      | 22.4               | 115.4             | 103.1                          | 0.5      | -12.1                           | 21.5             | 8.3                         | 39.2              | 72.1                           | 4.0      | -9.6                            | 3.2              |
| NOV.      | 26.5               | 19.9              | 154.9                          | 2.6      | -9.3                            | 30.4             | 9.9                         | 37.6              | 80.5                           | 3.9      | -9.6                            | 5.7              |
| DIC.      | 30.2               | 35.4              | 257.3                          | 4.8      | -10.0                           | 28.2             | 11.6                        | 37.5              | 93.1                           | 4.0      | -9.6                            | 7.6              |
| 2003 ENE. | 28.0               | 117.4             | 103.7                          | 10.3     | -11.1                           | 24.5             | 28.0                        | 117.4             | 103.7                          | 10.3     | -11.1                           | 24.5             |
| FEB.      | 33.9               | 13.5              | 181.1                          | 10.7     | 4.6                             | 32.8             | 31.0                        | 51.7              | 143.2                          | 10.5     | -3.2                            | 28.6             |
| MAR.      | 33.7               | -14.9             | 168.0                          | 9.9      | 24.7                            | 31.6             | 31.9                        | 21.2              | 151.7                          | 10.3     | 5.6                             | 29.6             |
| ABR.      | 29.1               | 7.8               | 115.2                          | 8.2      | 26.4                            | 25.0             | 31.2                        | 17.0              | 140.2                          | 9.8      | 10.6                            | 28.3             |
| MAY.      | 24.5               | 23.1              | 51.9                           | 8.3      | 20.1                            | 23.9             | 29.7                        | 18.5              | 112.1                          | 9.5      | 12.5                            | 27.4             |
| JUN.      | 20.0               | 17.8              | 16.6                           | 6.8      | 15.4                            | 22.8             | 27.9                        | 18.4              | 84.6                           | 9.0      | 12.9                            | 26.5             |
| JUL.      | 21.3               | 0.9               | 15.7                           | 8.0      | 42.6                            | 21.9             | 26.8                        | 15.0              | 68.5                           | 8.9      | 16.9                            | 25.8             |
| AGO.      | 15.6               | -17.0             | 21.6                           | 6.1      | 48.2                            | 14.1             | 25.2                        | 8.7               | 59.7                           | 8.5      | 20.5                            | 24.2             |
| SET.      | 8.3                | -21.7             | 40.4                           | 7.7      | 45.3                            | -0.7             | 23.0                        | 3.7               | 56.6                           | 8.4      | 23.2                            | 20.7             |
| OCT.      | 6.8                | -30.8             | 22.7                           | 7.6      | 51.9                            | -0.9             | 21.0                        | -1.6              | 52.0                           | 8.3      | 25.9                            | 18.0             |
| NOV.      | 9.3                | 31.0              | 2.8                            | 7.0      | 50.0                            | 0.3              | 19.8                        | 0.8               | 45.0                           | 8.2      | 28.0                            | 16.0             |
| DIC.      | 9.1                | 38.3              | -6.5                           | 6.0      | 45.2                            | 1.9              | 18.8                        | 3.2               | 38.2                           | 8.0      | 29.3                            | 14.6             |
| 2004 ENE. | 8.2                | -19.1             | 61.7                           | 3.8      | 49.3                            | -1.7             | 8.2                         | -19.1             | 61.7                           | 3.8      | 49.3                            | -1.7             |
| FEB.      | 4.1                | 30.0              | 7.4                            | 1.3      | 27.4                            | -1.6             | 6.1                         | 4.1               | 29.7                           | 2.5      | 37.4                            | -1.7             |
| MAR.      | 0.8                | 51.7              | 11.5                           | 0.4      | 13.7                            | -5.7             | 4.3                         | 19.4              | 23.0                           | 1.8      | 28.6                            | -3.0             |
| ABR.      | -1.7               | 25.0              | 10.3                           | 0.2      | 9.6                             | -8.1             | 2.7                         | 21.0              | 19.4                           | 1.4      | 23.4                            | -4.4             |
| MAY.      | 0.1                | 11.6              | 10.0                           | -1.0     | 8.9                             | -4.0             | 2.1                         | 18.6              | 17.3                           | 0.9      | 20.3                            | -4.3             |
| JUN.      | 7.0                | 16.6              | 14.5                           | -1.7     | 15.1                            | 5.7              | 3.0                         | 18.2              | 16.8                           | 0.5      | 19.4                            | -2.5             |
| JUL.      | 3.8                | 21.5              | 4.7                            | -0.6     | -8.3                            | 5.8              | 3.1                         | 18.7              | 14.8                           | 0.3      | 14.9                            | -1.2             |
| AGO.      | 2.6                | 20.1              | -1.1                           | 0.2      | -12.9                           | 5.7              | 3.1                         | 18.9              | 12.5                           | 0.3      | 11.0                            | -0.3             |
| SET.      | 0.8                | 24.1              | -11.8                          | -1.8     | -13.7                           | 5.3              | 2.8                         | 19.6              | 9.1                            | 0.1      | 7.8                             | 0.3              |
| OCT.      | 2.6                | 28.6              | 11.9                           | -1.0     | -13.6                           | 3.9              | 2.8                         | 20.6              | 9.4                            | 0.0      | 5.4                             | 0.7              |
| NOV.      | 2.6                | 30.4              | 4.7                            | 1.8      | -6.3                            | 1.6              | 2.8                         | 21.5              | 8.9                            | 0.1      | 4.2                             | 0.8              |
| DIC.      | 3.6                | 41.7              | 7.4                            | -2.0     | -1.6                            | 3.2              | 2.8                         | 23.2              | 8.8                            | -0.1     | 3.7                             | 1.0              |
| 2005 ENE. | -0.4               | 117.9             | 11.4                           | -1.9     | -5.4                            | -2.9             | -0.4                        | 117.9             | 11.4                           | -1.9     | -5.4                            | -2.9             |
| FEB.      | -1.1               | 50.8              | 16.1                           | 3.3      | -7.8                            | -4.9             | -0.8                        | 78.2              | 13.7                           | 0.6      | -6.6                            | -3.9             |
| MAR.      | -0.1               | 44.8              | 6.2                            | 2.1      | -8.5                            | -0.8             | -0.6                        | 64.6              | 11.2                           | 1.1      | -7.2                            | -2.9             |
| ABR.      | 2.6                | 31.3              | 1.5                            | 2.1      | -3.2                            | 2.9              | 0.3                         | 54.6              | 8.7                            | 1.4      | -6.2                            | -1.4             |
| MAY.      | 1.3                | 29.2              | 6.4                            | 5.0      | -1.7                            | -1.4             | 0.5                         | 48.4              | 8.2                            | 2.1      | -5.4                            | -1.4             |
| JUN.      | -4.7               | 31.5              | 7.7                            | 6.0      | -5.9                            | -11.4            | -0.5                        | 45.1              | 8.1                            | 2.7      | -5.4                            | -3.3             |
| JUL.      | -6.1               | 9.4               | 13.5                           | 8.0      | 5.1                             | -16.0            | -1.3                        | 38.8              | 8.9                            | 3.5      | -4.1                            | -5.4             |
| AGO.      | -4.2               | 8.3               | 18.0                           | 12.6     | 6.4                             | -14.8            | -1.7                        | 34.2              | 10.0                           | 4.6      | -2.9                            | -6.7             |
| SET.      | -7.1               | 14.6              | 17.7                           | 12.5     | 3.9                             | -19.0            | -2.3                        | 31.6              | 10.9                           | 5.5      | -2.2                            | -8.2             |
| OCT.      | -0.6               | 6.4               | 12.4                           | 12.7     | 2.5                             | -8.3             | -2.2                        | 28.8              | 11.1                           | 6.2      | -1.8                            | -8.2             |
| NOV.      | 0.2                | 26.1              | 19.2                           | 13.9     | -3.5                            | -7.5             | -1.9                        | 28.5              | 11.9                           | 6.9      | -1.9                            | -8.1             |
| DIC.      | 3.0                | 16.0              | 17.2                           | 17.1     | -5.7                            | -3.2             | -1.5                        | 27.3              | 12.3                           | 7.8      | -2.3                            | -7.7             |
| 2006 ENE. | 12.7               | 12.0              | 11.0                           | 13.9     | -6.4                            | 15.1             | 12.7                        | 12.0              | 11.0                           | 13.9     | -6.4                            | 15.1             |
| FEB.      | 12.8               | 18.0              | 20.5                           | 13.5     | -3.2                            | 13.2             | 12.8                        | 15.0              | 15.8                           | 13.7     | -4.8                            | 14.2             |

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A 49 TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                   |                                |          |                                 |                  | VARIACIÓN PROMEDIO ANUAL 2/ |                   |                                |          |                                 |                  |
|-----------|--------------------|-------------------|--------------------------------|----------|---------------------------------|------------------|-----------------------------|-------------------|--------------------------------|----------|---------------------------------|------------------|
|           | Total              | Extractiv<br>a 3/ | Industria<br>manufacturer<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ | Total                       | Extractiv<br>a 3/ | Industria<br>manufacturer<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ |
| MAR.      | 10.9               | 7.1               | 31.4                           | 15.2     | -5.9                            | 8.5              | 12.1                        | 12.2              | 20.7                           | 14.2     | -5.1                            | 12.3             |
| ABR.      | 8.2                | 11.3              | 26.0                           | 14.7     | -12.7                           | 6.1              | 11.1                        | 12.0              | 22.0                           | 14.3     | -7.1                            | 10.6             |
| MAY.      | 7.9                | 7.0               | 15.4                           | 15.0     | -11.8                           | 7.0              | 10.4                        | 10.9              | 20.6                           | 14.5     | -8.0                            | 9.8              |
| JUN.      | 9.6                | 5.2               | 11.9                           | 16.0     | -8.9                            | 9.6              | 10.3                        | 9.9               | 19.1                           | 14.7     | -8.2                            | 9.8              |
| JUL.      | 9.4                | 15.8              | 12.4                           | 11.9     | -8.6                            | 10.2             | 10.2                        | 10.7              | 18.1                           | 14.3     | -8.2                            | 9.8              |
| AGO.      | 11.3               | 11.9              | 13.7                           | 8.8      | -6.5                            | 14.3             | 10.3                        | 10.8              | 17.5                           | 13.6     | -8.0                            | 10.4             |
| SET.      | 15.2               | 14.9              | 3.3                            | 7.3      | 2.5                             | 22.1             | 10.8                        | 11.3              | 15.7                           | 12.8     | -6.9                            | 11.6             |
| OCT.      | 9.2                | 26.4              | 3.8                            | 4.4      | 2.4                             | 12.8             | 10.7                        | 12.7              | 14.4                           | 11.9     | -6.0                            | 11.8             |
| NOV.      | 8.7                | 38.4              | 1.5                            | 2.3      | 2.0                             | 12.6             | 10.5                        | 15.2              | 13.1                           | 11.0     | -5.3                            | 11.9             |
| DIC.      | 4.6                | 38.4              | -0.5                           | 2.8      | 3.9                             | 5.3              | 9.9                         | 17.3              | 11.8                           | 10.2     | -4.5                            | 11.2             |
| 2007 ENE. | 8.0                | 43.4              | 11.8                           | 3.8      | 4.2                             | 8.8              | 8.0                         | 43.4              | 11.8                           | 3.8      | 4.2                             | 8.8              |
| FEB.      | 10.5               | 36.1              | 7.5                            | 6.1      | 1.0                             | 13.6             | 9.3                         | 39.6              | 9.6                            | 5.0      | 2.6                             | 11.2             |
| MAR.      | 11.9               | -58.1             | 8.0                            | 9.8      | 8.8                             | 20.1             | 10.1                        | 6.1               | 9.0                            | 6.6      | 4.6                             | 14.1             |
| ABR.      | 10.2               | -59.5             | 9.7                            | 10.3     | 11.1                            | 16.7             | 10.2                        | -10.4             | 9.2                            | 7.5      | 6.1                             | 14.7             |
| MAY.      | 2.8                | -60.4             | 5.0                            | 8.2      | 11.2                            | 4.9              | 8.6                         | -20.8             | 8.4                            | 7.7      | 7.1                             | 12.7             |
| JUN.      | 1.3                | -60.0             | 6.7                            | 4.8      | 10.2                            | 3.3              | 7.4                         | -27.5             | 8.1                            | 7.2      | 7.6                             | 11.0             |
| JUL.      | 0.9                | -57.3             | -7.9                           | 6.5      | 8.2                             | 3.8              | 6.4                         | -31.8             | 5.8                            | 7.1      | 7.7                             | 9.9              |
| AGO.      | 5.7                | -56.7             | 3.7                            | 7.4      | 9.4                             | 10.4             | 6.3                         | -34.9             | 5.5                            | 7.1      | 7.9                             | 10.0             |
| SET.      | 9.2                | -51.9             | 19.7                           | 9.0      | 3.3                             | 13.5             | 6.7                         | -36.9             | 7.0                            | 7.3      | 7.4                             | 10.4             |
| OCT.      | 7.6                | -51.5             | 21.1                           | 11.8     | 5.0                             | 9.0              | 6.8                         | -38.4             | 8.5                            | 7.8      | 7.1                             | 10.3             |
| NOV.      | 8.2                | -61.8             | 29.1                           | 11.4     | 6.4                             | 10.0             | 6.9                         | -41.2             | 10.4                           | 8.1      | 7.0                             | 10.2             |
| DIC.      | 8.2                | -60.8             | 34.0                           | 12.1     | 7.6                             | 9.0              | 7.0                         | -43.2             | 12.3                           | 8.5      | 7.1                             | 10.1             |
| 2008 ENE. | 6.0                | -60.8             | 27.0                           | 15.9     | 14.7                            | 3.7              | 6.0                         | -60.8             | 27.0                           | 15.9     | 14.7                            | 3.7              |
| FEB.      | 6.2                | -64.0             | 13.4                           | 9.1      | 6.6                             | 9.6              | 6.1                         | -62.4             | 20.1                           | 12.4     | 10.6                            | 6.7              |
| MAR.      | 10.8               | 8.6               | 13.6                           | 4.7      | 7.3                             | 13.2             | 7.7                         | -52.8             | 17.9                           | 9.7      | 9.5                             | 8.9              |
| ABR.      | 13.6               | 13.5              | 15.4                           | 5.6      | 12.3                            | 15.9             | 9.2                         | -45.2             | 17.2                           | 8.7      | 10.2                            | 10.7             |
| MAY.      | 17.6               | 17.6              | 20.4                           | 4.2      | 10.8                            | 23.0             | 10.8                        | -38.8             | 17.9                           | 7.7      | 10.3                            | 13.1             |
| JUN.      | 14.5               | 16.3              | 21.6                           | 7.0      | 13.7                            | 16.2             | 11.4                        | -33.6             | 18.5                           | 7.6      | 10.9                            | 13.6             |
| JUL.      | 17.9               | 12.4              | 38.3                           | 7.4      | 19.8                            | 19.1             | 12.3                        | -29.4             | 21.0                           | 7.6      | 12.2                            | 14.4             |
| AGO.      | 10.9               | 14.7              | 19.6                           | 5.8      | 14.7                            | 10.5             | 12.1                        | -25.8             | 20.8                           | 7.4      | 12.5                            | 13.9             |
| SET.      | 5.3                | -7.3              | -1.0                           | 2.8      | 15.3                            | 5.6              | 11.3                        | -24.1             | 18.1                           | 6.8      | 12.8                            | 12.9             |
| OCT.      | 5.4                | -3.7              | -4.0                           | 2.3      | 12.3                            | 6.8              | 10.7                        | -22.4             | 15.6                           | 6.4      | 12.7                            | 12.3             |
| NOV.      | 2.6                | -3.7              | -8.9                           | -0.3     | 11.3                            | 3.9              | 9.9                         | -21.0             | 13.0                           | 5.7      | 12.6                            | 11.4             |
| DIC.      | 2.2                | -6.1              | -22.2                          | -1.6     | 8.1                             | 6.1              | 9.2                         | -19.9             | 9.5                            | 5.1      | 12.2                            | 11.0             |
| 2009 ENE. | -2.2               | -10.3             | -34.9                          | -3.6     | 1.1                             | 2.1              | -2.2                        | -10.3             | -34.9                          | -3.6     | 1.1                             | 2.1              |
| FEB.      | -10.9              | -2.3              | -18.8                          | -1.1     | 4.9                             | -16.5            | -6.6                        | -6.5              | -27.2                          | -2.4     | 2.9                             | -7.6             |
| MAR.      | -11.3              | 3.2               | -24.0                          | 0.1      | 1.9                             | -16.3            | -8.2                        | -3.5              | -26.1                          | -1.6     | 2.6                             | -10.7            |
| ABR.      | -13.1              | 6.7               | -29.2                          | -1.5     | -0.4                            | -17.7            | -9.5                        | -1.1              | -26.9                          | -1.6     | 1.8                             | -12.6            |
| MAY.      | -9.4               | 1.8               | -19.1                          | -1.1     | 1.1                             | -13.2            | -9.5                        | -0.5              | -25.4                          | -1.5     | 1.7                             | -12.7            |
| JUN.      | -5.8               | -2.9              | -12.8                          | 0.2      | -1.9                            | -8.3             | -8.9                        | -0.9              | -23.2                          | -1.2     | 1.1                             | -12.0            |
| JUL.      | -9.0               | 4.7               | -18.0                          | -3.8     | -7.1                            | -10.9            | -8.9                        | -0.1              | -22.5                          | -1.6     | -0.2                            | -11.8            |
| AGO.      | -9.8               | 4.7               | -23.2                          | -2.6     | -4.8                            | -12.4            | -9.0                        | 0.5               | -22.6                          | -1.7     | -0.7                            | -11.9            |
| SET.      | -7.7               | 7.1               | -6.4                           | -0.4     | -5.0                            | -11.7            | -8.9                        | 1.2               | -20.9                          | -1.6     | -1.2                            | -11.9            |
| OCT.      | -8.5               | 2.3               | -20.5                          | 4.2      | -3.1                            | -12.9            | -8.8                        | 1.3               | -20.9                          | -1.0     | -1.4                            | -12.0            |
| NOV.      | -7.3               | 2.3               | -15.0                          | 6.5      | -4.1                            | -12.2            | -8.7                        | 1.4               | -20.4                          | -0.3     | -1.7                            | -12.0            |
| DIC.      | -6.9               | 4.5               | -0.5                           | 1.0      | -1.7                            | -11.7            | -8.5                        | 1.7               | -19.0                          | -0.2     | -1.7                            | -12.0            |
| 2010 ENE. | -6.7               | 0.0               | 23.1                           | 0.0      | -2.2                            | -13.6            | -6.7                        | 0.0               | 23.1                           | 0.0      | -2.2                            | -13.6            |
| FEB.      | -3.1               | 2.4               | 6.4                            | -0.5     | 0.9                             | -7.2             | -4.9                        | 1.2               | 14.1                           | -0.3     | -0.7                            | -10.6            |
| MAR.      | -1.3               | 2.4               | 14.8                           | -2.5     | 8.2                             | -5.5             | -3.7                        | 1.6               | 14.4                           | -1.0     | 2.2                             | -8.9             |
| ABR.      | 2.9                | -2.3              | 29.9                           | -3.6     | 7.3                             | 1.3              | -2.1                        | 0.6               | 18.1                           | -1.7     | 3.5                             | -6.3             |
| MAY.      | 0.0                | 0.0               | 2.4                            | -2.7     | 3.4                             | -0.3             | -1.6                        | 0.5               | 14.7                           | -1.9     | 3.5                             | -5.0             |
| JUN.      | -0.5               | 4.9               | -11.1                          | -4.6     | 5.1                             | 1.2              | -1.4                        | 1.2               | 9.8                            | -2.3     | 3.7                             | -3.9             |
| JUL.      | 1.5                | -2.2              | -5.4                           | -2.1     | 6.8                             | 2.7              | -1.0                        | 0.7               | 7.5                            | -2.3     | 4.2                             | -3.0             |
| AGO.      | 3.9                | -2.2              | 4.6                            | -4.2     | 9.4                             | 5.7              | -0.4                        | 0.3               | 7.1                            | -2.5     | 4.8                             | -1.9             |
| SET.      | 3.0                | -2.2              | -3.4                           | -4.2     | 8.2                             | 5.7              | 0.0                         | 0.0               | 5.8                            | -2.7     | 5.2                             | -1.0             |
| OCT.      | 3.5                | -2.2              | 8.7                            | -8.4     | 7.3                             | 6.6              | 0.3                         | -0.2              | 6.1                            | -3.3     | 5.4                             | -0.3             |
| NOV.      | 5.5                | -2.2              | 6.7                            | -5.8     | 6.8                             | 9.5              | 0.8                         | -0.4              | 6.2                            | -3.6     | 5.5                             | 0.6              |
| DIC.      | 5.8                | -4.3              | 4.8                            | -0.7     | 4.7                             | 8.8              | 1.2                         | -0.8              | 6.0                            | -3.3     | 5.5                             | 1.3              |
| 2011 ENE. | 6.2                | 26.2              | 4.9                            | -1.3     | 7.0                             | 8.4              | 6.2                         | 26.2              | 4.9                            | -1.3     | 7.0                             | 8.4              |
| FEB.      | 9.3                | 20.9              | 6.1                            | 3.7      | 8.1                             | 11.5             | 7.7                         | 23.5              | 5.5                            | 1.2      | 7.6                             | 10.0             |
| MAR.      | 12.7               | 20.9              | 12.0                           | 4.3      | 4.6                             | 18.7             | 9.4                         | 22.7              | 7.7                            | 2.2      | 6.5                             | 13.0             |
| ABR.      | 8.3                | 16.7              | 2.0                            | 4.4      | 1.3                             | 13.3             | 9.1                         | 21.2              | 6.2                            | 2.8      | 5.2                             | 13.1             |

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A 49 TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                   |                                |          |                                 |                  | VARIACIÓN PROMEDIO ANUAL 2/ |                   |                                |          |                                 |                  |
|-----------|--------------------|-------------------|--------------------------------|----------|---------------------------------|------------------|-----------------------------|-------------------|--------------------------------|----------|---------------------------------|------------------|
|           | Total              | Extractiv<br>a 3/ | Industria<br>manufacturer<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ | Total                       | Extractiv<br>a 3/ | Industria<br>manufacturer<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ |
| MAY.      | 11.4               | 14.0              | 11.8                           | 6.3      | 6.6                             | 15.7             | 9.6                         | 19.7              | 7.3                            | 3.5      | 5.5                             | 13.6             |
| JUN.      | 10.8               | 16.3              | 15.4                           | 10.4     | 4.7                             | 13.1             | 9.8                         | 19.1              | 8.5                            | 4.6      | 5.4                             | 13.5             |
| JUL.      | 10.4               | 11.4              | 23.0                           | 7.6      | 5.8                             | 12.1             | 9.9                         | 18.0              | 10.5                           | 5.0      | 5.4                             | 13.3             |
| AGO.      | 9.8                | 25.0              | 16.7                           | 8.6      | 1.5                             | 12.1             | 9.9                         | 18.9              | 11.2                           | 5.5      | 4.9                             | 13.2             |
| SET.      | 9.7                | 25.0              | 17.0                           | 11.2     | 3.0                             | 10.2             | 9.9                         | 19.6              | 11.9                           | 6.1      | 4.7                             | 12.8             |
| OCT.      | 10.4               | 13.6              | 19.5                           | 10.0     | 3.3                             | 12.4             | 9.9                         | 19.0              | 12.6                           | 6.5      | 4.6                             | 12.8             |
| NOV.      | 9.3                | 13.6              | 9.9                            | 6.8      | 5.1                             | 12.9             | 9.9                         | 18.5              | 12.4                           | 6.5      | 4.6                             | 12.8             |
| DIC.      | 7.9                | 13.6              | 6.7                            | 6.9      | 3.7                             | 11.3             | 9.7                         | 18.1              | 11.9                           | 6.5      | 4.5                             | 12.6             |
| 2012 ENE. | 8.0                | -5.7              | 7.7                            | 7.4      | 2.1                             | 9.2              | 8.0                         | -5.7              | 7.7                            | 7.4      | 2.1                             | 9.2              |
| FEB.      | 8.6                | -1.9              | 20.4                           | 2.6      | 3.8                             | 9.1              | 8.3                         | -3.8              | 14.1                           | 4.9      | 3.0                             | 9.1              |
| MAR.      | 8.6                | -1.9              | 10.5                           | 4.4      | 4.2                             | 10.8             | 8.4                         | -3.2              | 12.8                           | 4.8      | 3.4                             | 9.7              |
| ABR.      | 9.5                | 4.1               | 15.1                           | 5.1      | 4.0                             | 12.0             | 8.7                         | -1.5              | 13.4                           | 4.9      | 3.5                             | 10.4             |
| MAY.      | 8.0                | 2.0               | 22.9                           | 2.6      | 4.7                             | 8.9              | 8.5                         | -0.8              | 15.3                           | 4.4      | 3.8                             | 10.0             |
| JUN.      | 8.0                | 2.0               | 32.9                           | -1.0     | 5.9                             | 8.7              | 8.4                         | -0.3              | 18.2                           | 3.5      | 4.1                             | 9.8              |
| JUL.      | 8.5                | 12.6              | 20.4                           | 3.2      | 0.7                             | 10.7             | 8.4                         | 1.5               | 18.5                           | 3.4      | 3.6                             | 9.9              |
| AGO.      | 9.5                | 9.8               | 23.8                           | 2.0      | 2.9                             | 12.3             | 8.6                         | 2.6               | 19.2                           | 3.2      | 3.5                             | 10.2             |
| SET.      | 7.4                | 6.0               | 13.4                           | -0.6     | -0.7                            | 12.7             | 8.4                         | 3.0               | 18.6                           | 2.8      | 3.1                             | 10.5             |
| OCT.      | 4.7                | 14.5              | 6.1                            | 3.5      | -2.5                            | 6.8              | 8.0                         | 4.1               | 17.3                           | 2.9      | 2.5                             | 10.1             |
| NOV.      | 2.1                | 14.5              | 1.0                            | 1.4      | -2.9                            | 3.6              | 7.5                         | 5.0               | 15.8                           | 2.7      | 2.0                             | 9.5              |
| DIC.      | 2.5                | 12.4              | 6.6                            | 3.5      | -4.6                            | 2.7              | 7.0                         | 5.6               | 15.0                           | 2.8      | 1.4                             | 8.8              |
| 2013 ENE. | 3.6                | 10.3              | 0.9                            | 4.8      | -3.0                            | 5.5              | 3.6                         | 10.3              | 0.9                            | 4.8      | -3.0                            | 5.5              |
| FEB.      | 0.1                | 10.2              | -11.1                          | 5.6      | -4.2                            | 1.4              | 1.9                         | 10.3              | -5.5                           | 5.2      | -3.6                            | 3.5              |
| MAR.      | -2.6               | 2.0               | -18.6                          | 7.1      | -4.3                            | -3.3             | 0.3                         | 7.5               | -10.0                          | 5.8      | -3.8                            | 1.0              |
| ABR.      | -1.3               | -1.5              | -13.5                          | 7.1      | -2.0                            | -2.8             | -0.1                        | 5.2               | -10.9                          | 6.2      | -3.3                            | -0.1             |
| MAY.      | -2.6               | 4.1               | -16.3                          | 7.9      | -11.0                           | -2.6             | -0.7                        | 5.0               | -12.1                          | 6.5      | -4.9                            | -0.6             |
| JUN.      | -4.6               | 6.1               | -24.4                          | 6.7      | -13.1                           | -3.6             | -1.4                        | 5.2               | -14.4                          | 6.5      | -6.3                            | -1.2             |
| JUL.      | -4.4               | 11.3              | -24.0                          | 5.5      | -9.1                            | -4.0             | -1.8                        | 6.1               | -15.8                          | 6.4      | -6.7                            | -1.6             |
| AGO.      | -5.7               | 5.2               | -28.3                          | 5.4      | -8.5                            | -5.2             | -2.3                        | 6.0               | -17.5                          | 6.3      | -6.9                            | -2.1             |
| SET.      | -5.4               | 3.6               | -22.8                          | 7.0      | -5.2                            | -7.4             | -2.7                        | 5.7               | -18.1                          | 6.3      | -6.7                            | -2.7             |
| OCT.      | -5.2               | -1.8              | -21.4                          | 4.3      | 0.7                             | -7.3             | -2.9                        | 4.9               | -18.4                          | 6.1      | -6.0                            | -3.2             |
| NOV.      | -3.8               | 1.9               | -13.2                          | 6.9      | -2.6                            | -6.9             | -3.0                        | 4.6               | -18.0                          | 6.2      | -5.7                            | -3.6             |
| DIC.      | -2.7               | 5.7               | 2.6                            | 0.5      | 0.4                             | -6.4             | -3.0                        | 4.7               | -16.4                          | 5.7      | -5.2                            | -3.8             |
| 2014 ENE. | -5.2               | 3.8               | 0.6                            | 2.6      | -1.6                            | -10.3            | -5.2                        | 3.8               | 0.6                            | 2.6      | -1.6                            | -10.3            |
| FEB.      | -5.9               | 18.5              | -9.5                           | -0.6     | 1.0                             | -9.0             | -5.5                        | 11.2              | -4.4                           | 1.0      | -0.3                            | -9.7             |
| MAR.      | -7.3               | 32.5              | -4.3                           | -6.2     | -0.1                            | -10.9            | -6.1                        | 18.0              | -4.4                           | -1.5     | -0.2                            | -10.1            |
| ABR.      | -6.0               | 42.0              | -12.7                          | -3.2     | -4.0                            | -8.5             | -6.1                        | 23.6              | -6.5                           | -1.9     | -1.2                            | -9.7             |
| MAY.      | -6.3               | 12.3              | -13.8                          | -3.6     | 2.8                             | -9.6             | -6.1                        | 21.4              | -8.0                           | -2.2     | -0.4                            | -9.6             |
| JUN.      | -4.2               | 8.0               | -10.6                          | -2.9     | 2.7                             | -6.8             | -5.8                        | 19.1              | -8.4                           | -2.3     | 0.1                             | -9.1             |
| JUL.      | -4.2               | -2.9              | -8.0                           | -2.2     | 6.2                             | -7.9             | -5.6                        | 15.6              | -8.4                           | -2.3     | 0.9                             | -8.9             |
| AGO.      | -3.9               | -8.0              | -1.8                           | -1.7     | 6.5                             | -8.6             | -5.4                        | 12.2              | -7.6                           | -2.2     | 1.6                             | -8.9             |
| SET.      | -2.3               | 4.5               | -4.9                           | -1.9     | 6.3                             | -5.4             | -5.0                        | 11.3              | -7.3                           | -2.2     | 2.1                             | -8.5             |
| OCT.      | 0.5                | 12.3              | -3.7                           | -3.2     | 0.2                             | 0.7              | -4.5                        | 11.4              | -7.0                           | -2.3     | 1.9                             | -7.6             |
| NOV.      | -1.8               | 10.2              | -6.8                           | -3.4     | 6.9                             | -4.0             | -4.2                        | 11.3              | -7.0                           | -2.4     | 2.4                             | -7.2             |
| DIC.      | -1.5               | 8.2               | -20.1                          | 4.8      | 9.1                             | -4.2             | -4.0                        | 11.0              | -8.2                           | -1.8     | 2.9                             | -7.0             |
| 2015 ENE. | -3.3               | 10.2              | -20.6                          | -2.2     | 11.6                            | -5.0             | -3.3                        | 10.2              | -20.6                          | -2.2     | 11.6                            | -5.0             |
| FEB.      | -1.6               | -19.3             | -19.2                          | 0.3      | 25.8                            | -6.5             | -2.5                        | -5.7              | -19.9                          | -1.0     | 18.7                            | -5.8             |
| MAR.      | 1.1                | -29.5             | -14.7                          | 5.6      | 22.5                            | -3.6             | -1.2                        | -14.2             | -18.3                          | 1.1      | 20.0                            | -5.0             |
| ABR.      | 3.9                | -31.8             | -7.4                           | 3.9      | 27.7                            | 1.1              | 0.1                         | -18.9             | -15.7                          | 1.8      | 21.9                            | -3.3             |
| MAY.      | 4.3                | -16.8             | -3.7                           | 3.4      | 28.4                            | 0.5              | 1.0                         | -18.5             | -13.4                          | 2.1      | 23.2                            | -2.5             |
| JUN.      | 8.9                | -16.8             | -1.9                           | 1.8      | 33.4                            | 8.9              | 2.4                         | -18.3             | -11.6                          | 2.1      | 24.8                            | -0.4             |
| JUL.      | 9.4                | -20.5             | 0.0                            | -0.4     | 27.1                            | 11.9             | 3.4                         | -18.6             | -10.0                          | 1.7      | 25.2                            | 1.5              |
| AGO.      | 9.5                | -19.0             | 0.1                            | 1.0      | 26.5                            | 11.1             | 4.2                         | -18.6             | -8.7                           | 1.6      | 25.3                            | 2.8              |
| SET.      | 8.8                | -27.0             | -3.5                           | -1.1     | 25.0                            | 12.0             | 4.7                         | -19.6             | -8.2                           | 1.3      | 25.3                            | 3.8              |
| OCT.      | 7.8                | -27.0             | -2.4                           | 1.2      | 24.0                            | 9.1              | 5.1                         | -20.3             | -7.7                           | 1.3      | 25.2                            | 4.4              |
| NOV.      | 6.5                | -32.3             | -9.2                           | -9.5     | 19.6                            | 13.9             | 5.2                         | -21.4             | -7.8                           | 0.3      | 24.6                            | 5.3              |
| DIC.      | 7.2                | -34.3             | -3.8                           | -12.0    | 18.5                            | 16.3             | 5.4                         | -22.5             | -7.5                           | -0.7     | 24.1                            | 6.3              |
| 2016 ENE. | 12.2               | -29.0             | 4.6                            | -7.4     | 16.4                            | 23.1             | 12.2                        | -29.0             | 4.6                            | -7.4     | 16.4                            | 23.1             |
| FEB.      | 8.8                | -33.3             | 13.9                           | -7.8     | 2.5                             | 19.4             | 10.5                        | -31.0             | 9.1                            | -7.6     | 8.9                             | 21.3             |
| MAR.      | 9.0                | -26.3             | 17.4                           | -9.4     | 5.5                             | 18.7             | 10.0                        | -29.6             | 11.8                           | -8.2     | 7.7                             | 20.4             |
| ABR.      | 2.8                | -15.8             | 16.7                           | -11.9    | -1.5                            | 8.2              | 8.0                         | -26.5             | 13.1                           | -9.1     | 5.4                             | 16.8             |
| MAY.      | 2.6                | -10.5             | 8.2                            | -10.7    | -2.5                            | 8.8              | 6.9                         | -23.5             | 12.0                           | -9.4     | 3.8                             | 15.0             |
| JUN.      | -2.8               | -10.5             | 3.4                            | -8.8     | -3.1                            | -1.8             | 5.1                         | -21.5             | 10.5                           | -9.3     | 2.6                             | 11.6             |

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS  
FORMALES DE 10 A 49 TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019**  
(Variación porcentual)

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                   |                                |          |                                 |                  | VARIACIÓN PROMEDIO ANUAL 2/ |                   |                                |          |                                 |                  |
|-----------|--------------------|-------------------|--------------------------------|----------|---------------------------------|------------------|-----------------------------|-------------------|--------------------------------|----------|---------------------------------|------------------|
|           | Total              | Extractiv<br>a 3/ | Industria<br>manufacturer<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ | Total                       | Extractiv<br>a 3/ | Industria<br>manufacturer<br>a | Comercio | Transp.,<br>almac., y<br>comun. | Servicio<br>s 4/ |
| 2017 JUL. | -2.6               | -5.4              | 3.7                            | -9.8     | -2.7                            | -1.4             | 3.9                         | -19.4             | 9.4                            | -9.4     | 1.8                             | 9.5              |
| AGO.      | -2.6               | -5.4              | 0.1                            | -10.5    | -1.3                            | -0.7             | 3.0                         | -17.7             | 8.2                            | -9.5     | 1.4                             | 8.0              |
| SET.      | -3.5               | -5.6              | 7.2                            | -17.8    | 4.1                             | -1.7             | 2.2                         | -16.5             | 8.1                            | -10.4    | 1.7                             | 6.8              |
| OCT.      | -2.1               | -2.8              | 11.6                           | -18.6    | 4.5                             | 0.6              | 1.8                         | -15.2             | 8.4                            | -11.3    | 2.0                             | 6.1              |
| NOV.      | -1.1               | 5.9               | 20.0                           | -10.2    | 3.7                             | -2.5             | 1.5                         | -13.5             | 9.4                            | -11.2    | 2.2                             | 5.2              |
| DIC.      | -1.7               | 9.1               | 18.4                           | -10.7    | 0.7                             | -3.0             | 1.2                         | -11.9             | 10.1                           | -11.1    | 2.0                             | 4.4              |
| ENE.      | -8.4               | 2.9               | 9.0                            | -11.5    | 1.0                             | -12.4            | -8.4                        | 2.9               | 9.0                            | -11.5    | 1.0                             | -12.4            |
| FEB.      | -6.6               | 25.0              | 6.3                            | -12.5    | -2.0                            | -7.7             | -7.5                        | 12.7              | 7.7                            | -12.0    | -0.5                            | -10.2            |
| MAR.      | -6.2               | 17.9              | 1.0                            | -12.4    | -1.1                            | -6.5             | -7.1                        | 14.3              | 5.4                            | -12.1    | -0.7                            | -8.9             |
| ABR.      | -4.9               | 3.1               | -2.4                           | -11.1    | 8.7                             | -6.3             | -6.5                        | 11.4              | 3.3                            | -11.9    | 1.6                             | -8.2             |
| MAY.      | -5.3               | -2.9              | -2.0                           | -11.1    | 9.4                             | -7.1             | -6.3                        | 8.3               | 2.2                            | -11.7    | 3.1                             | -8.0             |
| JUN.      | -1.8               | 2.6               | 3.1                            | -13.5    | 13.4                            | -1.8             | -5.5                        | 7.3               | 2.4                            | -12.0    | 4.8                             | -6.9             |
| JUL.      | -1.4               | -0.3              | 0.9                            | -13.5    | 12.3                            | -0.4             | -4.9                        | 6.1               | 2.2                            | -12.2    | 5.8                             | -5.9             |
| AGO.      | -2.8               | -11.1             | -1.9                           | -13.3    | 9.6                             | -1.7             | -4.6                        | 3.8               | 1.6                            | -12.3    | 6.3                             | -5.4             |
| SET.      | 1.2                | -8.5              | -2.0                           | -5.4     | 5.3                             | 3.1              | -4.0                        | 2.4               | 1.2                            | -11.7    | 6.2                             | -4.4             |
| OCT.      | -0.8               | -5.7              | -3.1                           | -7.0     | 4.6                             | 0.3              | -3.6                        | 1.5               | 0.8                            | -11.2    | 6.0                             | -3.9             |
| NOV.      | 1.0                | -5.7              | -0.6                           | -7.5     | 7.6                             | 2.8              | -3.2                        | 0.8               | 0.7                            | -10.9    | 6.2                             | -3.2             |
| DIC.      | -0.3               | -5.7              | -13.4                          | -9.2     | 12.7                            | 2.5              | -3.0                        | 0.2               | -0.6                           | -10.8    | 6.7                             | -2.7             |
| 2018 ENE. | 6.5                | -8.3              | -13.8                          | -11.1    | 10.3                            | 17.3             | 6.5                         | -8.3              | -13.8                          | -11.1    | 10.3                            | 17.3             |
| FEB.      | 4.4                | -3.0              | 30.5                           | -7.0     | 8.9                             | 4.5              | 5.4                         | -5.7              | 8.0                            | -9.1     | 9.6                             | 11.0             |
| MAR.      | 2.4                | 2.9               | 30.5                           | -7.2     | 4.4                             | 1.5              | 4.4                         | -3.0              | 15.4                           | -8.4     | 7.8                             | 7.6              |
| ABR.      | 1.4                | 8.6               | 27.3                           | -9.2     | 1.7                             | 1.2              | 3.6                         | -0.2              | 18.4                           | -8.6     | 6.3                             | 5.9              |
| MAY.      | 2.4                | 11.4              | 36.3                           | -12.9    | 4.2                             | 3.0              | 3.3                         | 2.1               | 21.9                           | -9.5     | 5.8                             | 5.2              |
| JUN.      | -0.6               | 3.3               | 33.0                           | -9.4     | -0.5                            | -2.2             | 2.6                         | 2.3               | 23.8                           | -9.5     | 4.7                             | 3.8              |
| JUL.      | -2.3               | 2.3               | 31.6                           | -6.7     | 0.3                             | -6.1             | 1.9                         | 2.3               | 24.9                           | -9.1     | 4.1                             | 2.3              |
| AGO.      | 0.1                | 3.0               | 34.9                           | -6.1     | 4.6                             | -3.1             | 1.7                         | 2.3               | 26.1                           | -8.7     | 4.1                             | 1.5              |
| SET.      | -2.8               | 3.0               | 34.5                           | -5.0     | 3.0                             | -8.0             | 1.1                         | 2.4               | 27.0                           | -8.3     | 4.0                             | 0.3              |
| OCT.      | -2.7               | -5.1              | 29.7                           | -4.0     | 1.0                             | -7.3             | 0.7                         | 1.7               | 27.3                           | -7.9     | 3.7                             | -0.5             |
| NOV.      | -2.6               | -9.9              | 26.0                           | -2.9     | -0.8                            | -6.7             | 0.4                         | 0.6               | 27.2                           | -7.5     | 3.3                             | -1.2             |
| DIC.      | -1.4               | -9.9              | 38.1                           | -0.5     | 0.9                             | -6.9             | 0.2                         | -0.3              | 28.0                           | -6.9     | 3.1                             | -1.7             |
| 2019 ENE. | -9.7               | -7.3              | 36.7                           | 2.1      | 0.8                             | -20.6            | -9.7                        | -7.3              | 36.7                           | 2.1      | 0.8                             | -20.6            |
| FEB.      | -6.4               | -13.1             | -6.6                           | -3.8     | 4.5                             | -8.4             | -8.1                        | -10.3             | 11.0                           | -0.9     | 2.6                             | -15.0            |
| MAR.      | -2.8               | -15.3             | -4.6                           | -3.6     | 7.0                             | -3.1             | -6.3                        | -11.9             | 5.2                            | -1.8     | 4.1                             | -11.0            |
| ABR.      | -0.6               | -20.7             | -3.6                           | -3.2     | 6.7                             | 0.7              | -4.8                        | -14.3             | 2.8                            | -2.2     | 4.7                             | -7.9             |
| MAY.      | 0.0                | -24.8             | -1.5                           | 1.2      | 3.2                             | 0.6              | -3.8                        | -16.5             | 1.8                            | -1.5     | 4.4                             | -6.1             |
| JUN.      | -0.3               | -23.2             | -1.5                           | -0.3     | 5.7                             | 0.0              | -3.2                        | -17.6             | 1.3                            | -1.3     | 4.6                             | -5.0             |
| JUL.      | 0.1                | -23.5             | -0.4                           | 5.0      | 5.4                             | -1.2             | -2.7                        | -18.5             | 1.0                            | -0.4     | 4.7                             | -4.5             |
| AGO.      | 0.1                | -13.6             | -2.3                           | 2.2      | 4.5                             | -0.4             | -2.4                        | -17.9             | 0.6                            | -0.1     | 4.7                             | -3.9             |

**Nota:** La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en enero 2001.

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).

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - 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/ |       |
| 2001      | ENE.               | 12.3          | 29.1                    | -60.4    | -                         | -            | -8.1                        | 12.3          | 29.1                    | -60.4    | -                         | -            | -8.1  |
|           | FEB.               | 9.2           | 16.3                    | -61.5    | -                         | -            | 2.6                         | 10.7          | 22.4                    | -61.0    | -                         | -            | -2.7  |
|           | MAR.               | 9.4           | 17.6                    | -62.0    | -                         | -            | 1.8                         | 10.2          | 20.7                    | -61.3    | -                         | -            | -1.2  |
|           | ABR.               | 15.3          | 19.0                    | -14.6    | -                         | -            | 10.6                        | 11.5          | 20.3                    | -49.6    | -                         | -            | 1.8   |
|           | MAY.               | 20.0          | 24.5                    | 4.1      | -                         | -            | 19.5                        | 13.4          | 21.2                    | -40.2    | -                         | -            | 5.3   |
|           | JUN.               | 29.5          | 36.8                    | -1.5     | -                         | -            | 26.6                        | 16.3          | 24.1                    | -33.8    | -                         | -            | 8.9   |
|           | JUL.               | 15.1          | 18.8                    | 15.4     | -                         | -            | 11.8                        | 16.1          | 23.1                    | -28.2    | -                         | -            | 9.4   |
|           | AGO.               | 10.7          | 20.9                    | 16.1     | -                         | -            | 0.8                         | 15.3          | 22.8                    | -23.6    | -                         | -            | 8.1   |
|           | SET.               | 1.3           | 11.8                    | 17.4     | -                         | -            | -9.6                        | 13.4          | 21.3                    | -19.8    | -                         | -            | 5.8   |
|           | OCT.               | -16.5         | 4.9                     | 13.2     | -                         | -            | -38.8                       | 9.9           | 19.3                    | -17.0    | -                         | -            | 0.6   |
|           | NOV.               | -21.9         | -5.1                    | -12.3    | -                         | -            | -39.8                       | 6.6           | 16.7                    | -16.6    | -                         | -            | -3.3  |
|           | DIC.               | -22.0         | 2.9                     | -13.3    | -                         | -            | -46.0                       | 4.3           | 15.5                    | -16.5    | -                         | -            | -6.9  |
| 2002      | ENE.               | -16.1         | 5.4                     | -16.0    | -                         | -            | -40.5                       | -16.1         | 5.4                     | -16.0    | -                         | -            | -40.5 |
|           | FEB.               | -13.0         | 9.7                     | -16.0    | -                         | -            | -34.7                       | -14.5         | 7.5                     | -16.0    | -                         | -            | -37.4 |
|           | MAR.               | -14.6         | 2.0                     | -14.6    | -                         | -            | -30.2                       | -14.5         | 5.6                     | -15.5    | -                         | -            | -34.9 |
|           | ABR.               | -9.2          | -2.2                    | -50.1    | 15.4                      | -            | -14.0                       | -13.1         | 3.6                     | -30.2    | 3.4                       | -            | -29.2 |
|           | MAY.               | -10.4         | -17.0                   | -25.5    | 26.9                      | -            | -7.5                        | -12.5         | -1.1                    | -28.8    | 8.1                       | -            | -24.3 |
|           | JUN.               | -21.7         | -37.0                   | -24.6    | 24.5                      | -            | -11.4                       | -14.4         | -8.4                    | -27.8    | 10.5                      | -            | -21.8 |
|           | JUL.               | -24.7         | -36.4                   | -33.5    | 26.4                      | -            | -15.7                       | -16.1         | -13.1                   | -28.8    | 12.7                      | -            | -20.7 |
|           | AGO.               | -25.2         | -37.8                   | -53.8    | 19.6                      | -            | -9.6                        | -17.4         | -16.9                   | -32.7    | 13.0                      | -            | -19.2 |
|           | SET.               | -22.5         | -34.4                   | -46.4    | 28.8                      | -            | -7.9                        | -18.0         | -19.1                   | -34.6    | 14.9                      | -            | -17.9 |
|           | OCT.               | -6.0          | -27.9                   | -47.9    | 33.3                      | -            | 32.7                        | -17.0         | -20.0                   | -36.1    | 16.9                      | -            | -14.3 |
|           | NOV.               | -0.8          | -21.0                   | -52.6    | 25.9                      | -            | 42.6                        | -15.8         | -20.1                   | -37.3    | 17.6                      | -            | -10.9 |
|           | DIC.               | 5.1           | -18.0                   | -0.3     | 22.2                      | -            | 54.2                        | -14.5         | -19.9                   | -35.8    | 17.9                      | -            | -7.7  |
| 2003      | ENE.               | 4.7           | -19.8                   | -5.1     | 22.2                      | -            | 62.4                        | 4.7           | -19.8                   | -5.1     | 22.2                      | -            | 62.4  |
|           | FEB.               | -7.0          | -21.2                   | -2.3     | 24.1                      | -            | 22.2                        | -1.4          | -20.5                   | -3.7     | 23.1                      | -            | 40.1  |
|           | MAR.               | -10.0         | -16.5                   | -3.6     | 42.6                      | -            | 5.3                         | -4.4          | -19.2                   | -3.7     | 29.0                      | -            | 26.9  |
|           | ABR.               | -17.9         | -12.0                   | -26.5    | 11.7                      | -            | -17.5                       | -8.2          | -17.5                   | -10.6    | 24.2                      | -            | 12.3  |
|           | MAY.               | -22.4         | -8.7                    | -52.1    | 1.5                       | -            | -24.6                       | -11.5         | -15.8                   | -23.9    | 18.9                      | -            | 2.2   |
|           | JUN.               | -15.4         | 9.1                     | -55.6    | 1.5                       | -            | -21.6                       | -12.2         | -12.3                   | -32.0    | 15.6                      | -            | -3.2  |
|           | JUL.               | -10.2         | 6.1                     | -44.7    | -6.0                      | -            | -13.9                       | -11.9         | -10.0                   | -34.2    | 12.1                      | -            | -5.1  |
|           | AGO.               | -10.5         | -1.8                    | -12.5    | -6.0                      | -            | -14.5                       | -11.7         | -9.1                    | -31.9    | 9.6                       | -            | -6.6  |
|           | SET.               | -12.0         | 2.2                     | -22.1    | -6.0                      | -            | -18.6                       | -11.8         | -7.9                    | -30.8    | 7.7                       | -            | -8.1  |
|           | OCT.               | -2.6          | 0.5                     | -8.4     | -7.4                      | -            | -2.7                        | -10.8         | -7.1                    | -28.6    | 6.0                       | -            | -7.5  |
|           | NOV.               | -1.9          | -0.8                    | 60.1     | -7.4                      | -            | -6.7                        | -10.0         | -6.6                    | -23.9    | 4.7                       | -            | -7.4  |
|           | DIC.               | -1.7          | -1.0                    | 30.2     | -4.5                      | -            | -5.2                        | -9.4          | -6.2                    | -20.5    | 3.9                       | -            | -7.2  |
| 2004      | ENE.               | -8.2          | 2.6                     | 44.1     | -4.5                      | -            | -20.5                       | -8.2          | 2.6                     | 44.1     | -4.5                      | -            | -20.5 |
|           | FEB.               | -1.5          | 10.3                    | 32.6     | -6.0                      | -            | -12.7                       | -4.9          | 6.5                     | 38.3     | -5.3                      | -            | -16.7 |
|           | MAR.               | 3.3           | 11.9                    | 23.7     | -6.0                      | -            | -3.8                        | -2.2          | 8.3                     | 33.3     | -5.5                      | -            | -12.7 |
|           | ABR.               | 10.1          | 14.4                    | 35.0     | -6.0                      | -            | 6.5                         | 0.9           | 9.9                     | 33.8     | -5.6                      | -            | -8.0  |
|           | MAY.               | 13.2          | 10.9                    | 51.6     | -5.2                      | -            | 13.5                        | 3.4           | 10.1                    | 37.3     | -5.5                      | -            | -3.7  |
|           | JUN.               | 7.8           | 10.7                    | 92.3     | -5.2                      | -1.0         | -0.6                        | 4.2           | 10.2                    | 46.5     | -5.5                      | 2.6          | -3.1  |
|           | JUL.               | 3.8           | 12.0                    | 98.4     | -2.4                      | -1.1         | -8.9                        | 4.1           | 10.5                    | 54.0     | -5.1                      | 1.3          | -4.1  |
|           | AGO.               | -11.7         | 19.9                    | 33.4     | 0.0                       | -1.0         | -35.3                       | 2.0           | 11.6                    | 51.2     | -4.5                      | 0.1          | -8.5  |
|           | SET.               | 2.6           | 14.3                    | 55.0     | -1.6                      | -13.2        | -9.7                        | 2.1           | 11.9                    | 51.7     | -4.2                      | -2.3         | -8.6  |
|           | OCT.               | -8.4          | 16.2                    | 43.4     | -1.6                      | -5.1         | -28.0                       | 0.9           | 12.4                    | 50.6     | -3.9                      | -2.8         | -10.9 |
|           | NOV.               | -1.8          | 19.4                    | 40.4     | -1.6                      | -7.4         | -19.2                       | 0.7           | 13.0                    | 49.5     | -3.7                      | -3.3         | -11.7 |
|           | DIC.               | 0.0           | 23.1                    | 6.0      | -24.4                     | -2.4         | -14.0                       | 0.6           | 13.8                    | 45.1     | -5.4                      | -3.2         | -11.9 |
| 2005      | ENE.               | 6.5           | 18.4                    | -2.2     | -24.4                     | 4.2          | 0.3                         | 6.5           | 18.4                    | -2.2     | -24.4                     | 4.2          | 0.3   |
|           | FEB.               | 5.3           | 21.2                    | -6.8     | -24.4                     | 6.4          | -4.5                        | 5.9           | 19.9                    | -4.4     | -24.4                     | 5.2          | -2.1  |
|           | MAR.               | 3.0           | 20.4                    | -7.8     | -28.5                     | 5.5          | -7.9                        | 4.9           | 20.1                    | -5.5     | -25.8                     | 5.3          | -4.1  |
|           | ABR.               | 0.1           | 19.6                    | 4.6      | -30.3                     | 3.6          | -14.6                       | 3.6           | 20.0                    | -2.9     | -26.9                     | 4.9          | -7.1  |
|           | MAY.               | 7.7           | 25.5                    | 17.6     | -30.9                     | 12.5         | -5.5                        | 4.5           | 21.1                    | 1.6      | -27.7                     | 6.4          | -6.7  |
|           | JUN.               | 12.8          | 31.8                    | -3.5     | -32.7                     | 14.9         | 3.7                         | 6.0           | 23.0                    | 0.5      | -28.5                     | 7.7          | -4.8  |
|           | JUL.               | 8.8           | 33.0                    | 6.9      | -30.0                     | 23.4         | -9.1                        | 6.5           | 24.5                    | 1.7      | -28.7                     | 9.9          | -5.4  |
|           | AGO.               | 23.7          | 31.4                    | 26.2     | -31.7                     | 27.8         | 17.1                        | 8.5           | 25.4                    | 4.6      | -29.1                     | 12.2         | -3.2  |
|           | SET.               | 2.0           | 34.8                    | -33.2    | -30.5                     | 45.6         | -17.5                       | 7.7           | 26.5                    | -0.2     | -29.3                     | 15.7         | -4.8  |
|           | OCT.               | 1.8           | 33.3                    | -30.6    | -34.7                     | 39.3         | -18.6                       | 7.1           | 27.2                    | -3.8     | -29.8                     | 18.0         | -6.1  |
|           | NOV.               | -3.5          | 27.7                    | -40.1    | -32.8                     | 45.4         | -22.8                       | 6.1           | 27.2                    | -7.6     | -30.1                     | 20.4         | -7.6  |
|           | DIC.               | 2.7           | 25.2                    | -6.7     | -12.5                     | 36.8         | -16.9                       | 5.8           | 27.1                    | -7.6     | -28.9                     | 21.8         | -8.3  |
| 2006      | ENE.               | 5.0           | 28.1                    | 0.3      | -12.5                     | 27.0         | -16.0                       | 5.0           | 28.1                    | 0.3      | -12.5                     | 27.0         | -16.0 |
|           | FEB.               | 3.0           | 18.2                    | 10.5     | -12.0                     | 24.2         | -14.4                       | 4.0           | 22.9                    | 5.1      | -12.3                     | 25.6         | -15.2 |

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A  
MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019  
(Variación porcentual)**

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                  |                            |          |                              |                 | VARIACIÓN PROMEDIO ANUAL 2/ |                  |                            |          |                              |                 |
|-----------|--------------------|------------------|----------------------------|----------|------------------------------|-----------------|-----------------------------|------------------|----------------------------|----------|------------------------------|-----------------|
|           | Total              | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac.,<br>y comun. | Servicios<br>4/ | Total                       | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac.,<br>y comun. | Servicios<br>4/ |
| MAR.      | 2.8                | 13.8             | 5.9                        | -6.9     | 22.0                         | -10.5           | 3.6                         | 19.7             | 5.4                        | -10.5    | 24.4                         | -13.6           |
| ABR.      | -1.0               | 11.3             | -9.7                       | -4.5     | 21.0                         | -12.9           | 2.4                         | 17.4             | 1.3                        | -9.1     | 23.6                         | -13.4           |
| MAY.      | -8.9               | 8.7              | -8.4                       | -4.5     | 14.3                         | -25.9           | -0.2                        | 15.5             | -1.2                       | -8.2     | 21.6                         | -16.4           |
| JUN.      | -11.1              | 0.9              | -4.0                       | -1.0     | 17.6                         | -25.6           | -2.3                        | 12.8             | -1.8                       | -7.1     | 21.0                         | -18.3           |
| JUL.      | -8.2               | 0.4              | -23.6                      | -1.6     | 10.8                         | -14.0           | -3.3                        | 10.8             | -6.0                       | -6.3     | 19.4                         | -17.7           |
| AGO.      | -0.9               | 0.8              | 14.4                       | -2.1     | 4.2                          | -7.6            | -3.0                        | 9.4              | -3.1                       | -5.8     | 17.2                         | -16.4           |
| SET.      | 4.5                | -2.3             | 68.7                       | -1.2     | 3.5                          | -0.5            | -2.2                        | 8.0              | 3.0                        | -5.3     | 15.4                         | -14.9           |
| OCT.      | 10.0               | -1.4             | 38.1                       | 6.2      | -0.9                         | 19.6            | -1.0                        | 7.0              | 6.0                        | -4.3     | 13.5                         | -12.1           |
| NOV.      | 13.9               | 1.4              | 45.6                       | 3.1      | -1.2                         | 25.4            | 0.3                         | 6.4              | 8.8                        | -3.6     | 11.9                         | -9.3            |
| DIC.      | 11.8               | 3.1              | 29.0                       | 6.5      | -3.1                         | 20.0            | 1.2                         | 6.1              | 10.3                       | -2.8     | 10.5                         | -7.2            |
| ENE.      | 3.8                | 0.7              | 35.1                       | 4.6      | 0.3                          | 0.2             | 3.8                         | 0.7              | 35.1                       | 4.6      | 0.3                          | 0.2             |
| FEB.      | -3.7               | 0.8              | 34.0                       | -3.5     | 1.6                          | -18.8           | 0.0                         | 0.7              | 34.5                       | 0.6      | 0.9                          | -9.3            |
| MAR.      | -3.8               | -0.3             | 65.9                       | -2.2     | -1.3                         | -22.9           | -1.3                        | 0.4              | 44.2                       | -0.4     | 0.2                          | -14.0           |
| ABR.      | -5.8               | -1.1             | 46.4                       | -4.1     | 0.0                          | -23.1           | -2.4                        | 0.0              | 44.7                       | -1.3     | 0.2                          | -16.4           |
| MAY.      | -6.8               | -0.8             | 9.5                        | -2.7     | 4.7                          | -19.4           | -3.4                        | -0.2             | 36.3                       | -1.6     | 1.0                          | -17.0           |
| JUN.      | -9.8               | -0.2             | 7.7                        | -1.9     | -1.0                         | -26.0           | -4.5                        | -0.2             | 30.5                       | -1.6     | 0.7                          | -18.7           |
| JUL.      | -6.2               | -0.4             | 38.9                       | -1.4     | 3.5                          | -25.1           | -4.8                        | -0.2             | 31.8                       | -1.6     | 1.1                          | -19.7           |
| AGO.      | -4.4               | 2.4              | 21.4                       | -2.9     | 2.8                          | -21.1           | -4.7                        | 0.1              | 30.0                       | -1.8     | 1.3                          | -19.9           |
| SET.      | 5.4                | 2.1              | 86.8                       | -3.5     | 2.1                          | -16.6           | -3.5                        | 0.4              | 37.9                       | -2.0     | 1.4                          | -19.5           |
| OCT.      | 7.3                | 3.4              | 132.6                      | -1.8     | 4.1                          | -21.8           | -2.4                        | 0.7              | 48.5                       | -1.9     | 1.7                          | -19.8           |
| NOV.      | 11.6               | 3.4              | 170.7                      | 1.2      | 1.9                          | -17.6           | -1.0                        | 0.9              | 59.7                       | -1.7     | 1.7                          | -19.5           |
| DIC.      | 4.4                | 1.2              | 131.2                      | -2.1     | 6.4                          | -23.6           | -0.6                        | 0.9              | 65.9                       | -1.7     | 2.1                          | -19.9           |
| ENE.      | 5.1                | 2.1              | 77.7                       | 1.5      | 3.7                          | -15.8           | 5.1                         | 2.1              | 77.7                       | 1.5      | 3.7                          | -15.8           |
| FEB.      | 10.5               | 3.3              | 68.8                       | 12.2     | 0.9                          | -1.1            | 7.7                         | 2.7              | 73.3                       | 6.7      | 2.3                          | -9.2            |
| MAR.      | 9.1                | 11.7             | 34.6                       | 9.7      | 13.0                         | -4.5            | 8.2                         | 5.7              | 59.6                       | 7.7      | 5.7                          | -7.8            |
| ABR.      | 6.9                | 7.4              | 28.3                       | 10.3     | 14.0                         | -2.5            | 7.9                         | 6.2              | 51.9                       | 8.3      | 7.7                          | -6.5            |
| MAY.      | 9.7                | 15.4             | 28.8                       | 9.9      | 10.0                         | -2.3            | 8.3                         | 8.0              | 47.5                       | 8.6      | 8.2                          | -5.6            |
| JUN.      | 9.0                | 14.2             | 9.8                        | 11.8     | 10.2                         | 2.8             | 8.4                         | 9.1              | 41.1                       | 9.2      | 8.5                          | -4.2            |
| JUL.      | 3.8                | 9.2              | -11.7                      | 8.8      | -4.0                         | 4.4             | 7.7                         | 9.1              | 32.2                       | 9.1      | 6.6                          | -3.0            |
| AGO.      | -0.4               | 5.9              | -18.6                      | 17.6     | -4.2                         | -1.2            | 6.6                         | 8.7              | 24.0                       | 10.2     | 5.2                          | -2.7            |
| SET.      | -8.6               | 3.9              | -44.5                      | 22.6     | -5.7                         | -3.7            | 4.7                         | 8.1              | 11.1                       | 11.5     | 3.9                          | -2.8            |
| OCT.      | -10.6              | 6.3              | -48.8                      | 15.8     | -5.9                         | -6.0            | 2.9                         | 7.9              | 0.7                        | 12.0     | 2.9                          | -3.2            |
| NOV.      | -13.5              | 5.0              | -52.5                      | 8.9      | -4.5                         | -8.5            | 1.1                         | 7.7              | -7.6                       | 11.7     | 2.2                          | -3.7            |
| DIC.      | -8.9               | 4.4              | -46.7                      | 8.6      | -1.8                         | -0.9            | 0.2                         | 7.4              | -12.4                      | 11.4     | 1.9                          | -3.5            |
| ENE.      | -11.6              | 5.8              | -58.5                      | 7.0      | -3.0                         | -5.8            | -11.6                       | 5.8              | -58.5                      | 7.0      | -3.0                         | -5.8            |
| FEB.      | -15.2              | 0.9              | -54.2                      | 0.5      | -12.8                        | -15.5           | -13.4                       | 3.3              | -56.4                      | 3.7      | -7.8                         | -10.6           |
| MAR.      | -15.6              | -9.7             | -47.7                      | 0.3      | -19.2                        | -8.9            | -14.1                       | -1.3             | -53.8                      | 2.6      | -11.7                        | -10.0           |
| ABR.      | -9.0               | -6.2             | -43.3                      | 4.7      | -17.9                        | 2.5             | -12.9                       | -2.6             | -51.6                      | 3.1      | -13.3                        | -6.9            |
| MAY.      | -10.4              | -12.9            | -41.7                      | 0.8      | -24.3                        | 6.3             | -12.4                       | -4.8             | -50.0                      | 2.6      | -15.5                        | -4.1            |
| JUN.      | -10.0              | -12.9            | -37.1                      | -0.6     | -25.0                        | 4.7             | -12.0                       | -6.2             | -48.3                      | 2.1      | -17.1                        | -2.5            |
| JUL.      | -9.8               | -12.2            | -34.2                      | -1.4     | -18.1                        | 1.9             | -11.7                       | -7.1             | -46.7                      | 1.6      | -17.2                        | -1.8            |
| AGO.      | -10.4              | -11.3            | -37.4                      | -6.6     | -18.9                        | 2.6             | -11.5                       | -7.6             | -45.7                      | 0.5      | -17.4                        | -1.2            |
| SET.      | -10.5              | -9.1             | -39.0                      | -9.0     | -20.4                        | 1.1             | -11.4                       | -7.8             | -45.1                      | -0.7     | -17.8                        | -1.0            |
| OCT.      | -9.5               | -12.2            | -42.9                      | -6.9     | -20.2                        | 10.0            | -11.2                       | -8.2             | -44.9                      | -1.3     | -18.0                        | 0.2             |
| NOV.      | -9.0               | -9.8             | -42.0                      | -2.5     | -22.4                        | 5.8             | -11.0                       | -8.4             | -44.7                      | -1.4     | -18.4                        | 0.8             |
| DIC.      | -6.7               | -6.6             | -29.3                      | -3.2     | -24.2                        | 3.7             | -10.6                       | -8.2             | -43.5                      | -1.6     | -18.9                        | 1.0             |
| ENE.      | -4.0               | -5.6             | 7.2                        | -3.6     | -25.0                        | -4.5            | -4.0                        | -5.6             | 7.2                        | -3.6     | -25.0                        | -4.5            |
| FEB.      | 2.9                | -4.3             | 7.1                        | -0.7     | -13.6                        | 14.7            | -0.6                        | -4.9             | 7.1                        | -2.1     | -19.7                        | 4.4             |
| MAR.      | 5.0                | -0.8             | 8.4                        | -0.4     | -18.7                        | 15.5            | 1.2                         | -3.6             | 7.6                        | -1.6     | -19.4                        | 8.0             |
| ABR.      | 5.3                | 0.0              | 12.6                       | -0.9     | -17.2                        | 13.6            | 2.2                         | -2.7             | 8.8                        | -1.4     | -18.9                        | 9.5             |
| MAY.      | 2.9                | 0.6              | 19.9                       | 1.6      | -6.8                         | 2.1             | 2.4                         | -2.1             | 11.0                       | -0.8     | -16.7                        | 7.7             |
| JUN.      | 4.8                | 5.0              | 19.4                       | 3.3      | 0.0                          | 1.6             | 2.8                         | -0.9             | 12.3                       | -0.1     | -14.2                        | 6.6             |
| JUL.      | 8.3                | 9.6              | 20.9                       | 5.7      | -2.9                         | 5.4             | 3.6                         | 0.5              | 13.5                       | 0.7      | -12.6                        | 6.4             |
| AGO.      | 7.2                | 11.3             | 15.5                       | 5.1      | -0.8                         | 1.6             | 4.1                         | 1.8              | 13.7                       | 1.2      | -11.3                        | 5.7             |
| SET.      | 11.5               | 12.3             | 29.8                       | 9.2      | 1.9                          | 6.7             | 4.9                         | 3.0              | 15.4                       | 2.1      | -9.9                         | 5.8             |
| OCT.      | 9.2                | 11.7             | 37.9                       | 14.7     | 1.0                          | -0.7            | 5.3                         | 3.8              | 17.5                       | 3.4      | -8.9                         | 5.1             |
| NOV.      | 10.8               | 12.1             | 38.1                       | 14.2     | 3.6                          | 3.6             | 5.9                         | 4.6              | 19.2                       | 4.4      | -7.9                         | 4.9             |
| DIC.      | 2.8                | 12.8             | -41.7                      | 19.2     | 1.0                          | 3.2             | 5.6                         | 5.3              | 13.6                       | 5.6      | -7.2                         | 4.8             |
| ENE.      | 8.3                | 14.5             | -39.3                      | 15.1     | 2.7                          | 18.7            | 8.3                         | 14.5             | -39.3                      | 15.1     | 2.7                          | 18.7            |
| FEB.      | 7.1                | 14.8             | -42.8                      | 19.3     | -1.2                         | 16.1            | 7.7                         | 14.6             | -41.1                      | 17.2     | 0.8                          | 17.4            |
| MAR.      | 8.7                | 14.9             | -33.7                      | 29.1     | 4.1                          | 14.4            | 8.0                         | 14.7             | -38.6                      | 21.1     | 1.8                          | 16.4            |
| ABR.      | 7.0                | 14.1             | -23.9                      | 25.9     | 1.1                          | 6.8             | 7.7                         | 14.6             | -34.9                      | 22.3     | 1.7                          | 13.7            |



**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A  
MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - AGOSTO 2019  
(Variación porcentual)**

| AÑO Y MES | VARIACIÓN ANUAL 1/ |                  |                            |          |                              |                 | VARIACIÓN PROMEDIO ANUAL 2/ |                  |                            |          |                              |                 |
|-----------|--------------------|------------------|----------------------------|----------|------------------------------|-----------------|-----------------------------|------------------|----------------------------|----------|------------------------------|-----------------|
|           | Total              | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac.,<br>y comun. | Servicios<br>4/ | Total                       | Extractiva<br>3/ | Industria<br>manufacturera | Comercio | Transp., almac.,<br>y comun. | Servicios<br>4/ |
| MAY.      | 8.1                | 17.6             | -39.0                      | 27.4     | -1.5                         | 11.6            | 7.8                         | 15.2             | -35.7                      | 23.3     | 1.0                          | 13.2            |
| JUN.      | 8.3                | 16.9             | -47.3                      | 25.2     | -3.4                         | 15.1            | 7.9                         | 15.5             | -37.7                      | 23.7     | 0.2                          | 13.6            |
| JUL.      | 5.9                | 14.0             | -48.7                      | 24.0     | -0.1                         | 11.5            | 7.6                         | 15.2             | -39.3                      | 23.7     | 0.2                          | 13.2            |
| AGO.      | 6.3                | 10.7             | -45.0                      | 23.9     | 2.4                          | 14.9            | 7.4                         | 14.6             | -40.0                      | 23.7     | 0.5                          | 13.4            |
| SET.      | 5.2                | 9.8              | -49.4                      | 18.7     | 4.5                          | 16.2            | 7.2                         | 14.1             | -41.1                      | 23.2     | 0.9                          | 13.8            |
| OCT.      | 7.0                | 13.6             | -48.4                      | 17.5     | 7.0                          | 16.4            | 7.2                         | 14.0             | -41.9                      | 22.5     | 1.6                          | 14.1            |
| NOV.      | 6.4                | 11.0             | -46.0                      | 31.6     | 10.1                         | 12.9            | 7.1                         | 13.7             | -42.3                      | 23.4     | 2.4                          | 13.9            |
| DIC.      | 12.6               | 9.7              | 7.9                        | 25.8     | 11.1                         | 13.5            | 7.6                         | 13.4             | -39.9                      | 23.7     | 3.1                          | 13.9            |
| 2012 ENE. | 12.0               | 6.0              | -1.9                       | 34.0     | 13.4                         | 18.1            | 12.0                        | 6.0              | -1.9                       | 34.0     | 13.4                         | 18.1            |
| FEB.      | 8.6                | 6.8              | 2.2                        | 24.5     | 14.5                         | 8.3             | 10.3                        | 6.4              | 0.1                        | 29.2     | 13.9                         | 13.2            |
| MAR.      | 7.0                | 6.5              | -15.7                      | 16.0     | 15.5                         | 9.5             | 9.2                         | 6.4              | -5.7                       | 24.5     | 14.4                         | 11.9            |
| ABR.      | 9.8                | 9.2              | -26.1                      | 17.1     | 19.9                         | 15.6            | 9.3                         | 7.2              | -11.7                      | 22.6     | 15.8                         | 12.9            |
| MAY.      | 11.1               | 5.8              | -11.5                      | 32.7     | 16.6                         | 16.0            | 9.7                         | 6.9              | -11.6                      | 24.7     | 15.9                         | 13.6            |
| JUN.      | 10.4               | 2.1              | 7.8                        | 35.4     | 16.6                         | 14.3            | 9.8                         | 6.0              | -8.8                       | 26.6     | 16.1                         | 13.7            |
| JUL.      | 8.3                | -1.7             | 11.1                       | 36.2     | 17.0                         | 12.2            | 9.6                         | 4.9              | -6.3                       | 28.0     | 16.2                         | 13.5            |
| AGO.      | 8.0                | 1.1              | 2.0                        | 34.5     | 14.7                         | 10.5            | 9.4                         | 4.4              | -5.4                       | 28.8     | 16.0                         | 13.1            |
| SET.      | 5.0                | -1.4             | 1.0                        | 31.9     | 18.0                         | 5.7             | 8.9                         | 3.8              | -4.7                       | 29.2     | 16.2                         | 12.2            |
| OCT.      | -4.4               | -19.3            | -3.7                       | 26.0     | 15.0                         | 2.8             | 7.5                         | 1.3              | -4.6                       | 28.8     | 16.1                         | 11.1            |
| NOV.      | -6.0               | -21.2            | -8.1                       | 28.2     | 8.4                          | 0.8             | 6.1                         | -0.8             | -5.0                       | 28.8     | 15.3                         | 10.1            |
| DIC.      | -7.0               | -23.6            | -2.0                       | 32.2     | 7.8                          | -0.9            | 4.9                         | -2.8             | -4.7                       | 29.1     | 14.6                         | 9.1             |
| 2013 ENE. | -7.3               | -20.5            | 1.6                        | 26.0     | 3.9                          | -3.8            | -7.3                        | -20.5            | 1.6                        | 26.0     | 3.9                          | -3.8            |
| FEB.      | -11.3              | -27.7            | -1.4                       | 28.3     | 6.4                          | -5.4            | -9.3                        | -24.1            | 0.0                        | 27.1     | 5.1                          | -4.6            |
| MAR.      | -11.8              | -28.1            | 8.0                        | 23.3     | 11.1                         | -7.5            | -10.1                       | -25.4            | 2.7                        | 25.9     | 7.0                          | -5.6            |
| ABR.      | -15.5              | -30.8            | 14.1                       | 19.4     | 8.4                          | -13.9           | -11.5                       | -26.8            | 5.5                        | 24.3     | 7.4                          | -7.8            |
| MAY.      | -19.1              | -31.9            | 10.2                       | 4.5      | 9.8                          | -19.0           | -13.1                       | -27.9            | 6.4                        | 19.9     | 7.9                          | -10.4           |
| JUN.      | -19.1              | -31.0            | 7.2                        | 0.7      | -1.0                         | -17.9           | -14.2                       | -28.4            | 6.5                        | 16.3     | 6.4                          | -11.8           |
| JUL.      | -19.1              | -30.5            | 6.7                        | -0.3     | -4.4                         | -18.2           | -14.9                       | -28.7            | 6.6                        | 13.7     | 4.8                          | -12.8           |
| AGO.      | -19.9              | -32.5            | -8.7                       | 2.1      | -6.7                         | -16.0           | -15.6                       | -29.1            | 4.7                        | 12.1     | 3.2                          | -13.2           |
| SET.      | -21.9              | -32.4            | -10.7                      | 5.2      | -13.1                        | -20.8           | -16.3                       | -29.5            | 3.0                        | 11.3     | 1.2                          | -14.1           |
| OCT.      | -12.9              | -20.4            | -10.0                      | 16.8     | -15.0                        | -13.4           | -16.0                       | -28.7            | 1.8                        | 11.9     | -0.5                         | -14.0           |
| NOV.      | -14.3              | -19.5            | -11.0                      | -6.7     | -10.9                        | -12.7           | -15.8                       | -28.0            | 0.7                        | 9.9      | -1.5                         | -13.9           |
| DIC.      | -14.4              | -18.3            | -12.3                      | -9.5     | -12.6                        | -12.8           | -15.7                       | -27.4            | -0.5                       | 8.0      | -2.5                         | -13.8           |
| 2014 ENE. | -12.0              | -18.1            | -12.5                      | -6.9     | -12.2                        | -7.9            | -12.0                       | -18.1            | -12.5                      | -6.9     | -12.2                        | -7.9            |
| FEB.      | -11.4              | -13.5            | -10.0                      | -8.2     | -14.8                        | -10.7           | -11.7                       | -15.9            | -11.3                      | -7.6     | -13.5                        | -9.2            |
| MAR.      | -11.9              | -13.8            | -11.4                      | -5.2     | -17.4                        | -11.7           | -11.8                       | -15.2            | -11.3                      | -6.8     | -14.8                        | -10.0           |
| ABR.      | -12.9              | -15.0            | -12.9                      | -4.9     | -19.9                        | -12.6           | -12.1                       | -15.1            | -11.7                      | -6.3     | -16.1                        | -10.7           |
| MAY.      | -10.6              | -14.1            | -11.0                      | -6.6     | -21.7                        | -6.4            | -11.8                       | -14.9            | -11.6                      | -6.4     | -17.3                        | -9.8            |
| JUN.      | -11.8              | -13.5            | -12.0                      | -11.0    | -16.0                        | -9.2            | -11.8                       | -14.7            | -11.7                      | -7.1     | -17.1                        | -9.7            |
| JUL.      | -9.7               | -10.0            | -10.8                      | -11.0    | -17.0                        | -6.8            | -11.5                       | -14.1            | -11.5                      | -7.7     | -17.1                        | -9.3            |
| AGO.      | -8.5               | -10.2            | 3.8                        | -13.1    | -15.0                        | -5.6            | -11.1                       | -13.6            | -9.9                       | -8.3     | -16.8                        | -8.8            |
| SET.      | -6.3               | -8.7             | 6.8                        | -15.8    | -10.8                        | -1.2            | -10.6                       | -13.1            | -8.3                       | -9.2     | -16.2                        | -8.0            |
| OCT.      | -7.9               | -9.1             | 6.5                        | -23.5    | -2.9                         | -3.2            | -10.4                       | -12.7            | -7.1                       | -10.7    | -15.0                        | -7.5            |
| NOV.      | -7.5               | -7.6             | 1.9                        | -15.5    | -1.8                         | -5.9            | -10.1                       | -12.3            | -6.4                       | -11.1    | -13.8                        | -7.3            |
| DIC.      | -7.7               | -8.1             | -1.3                       | -12.2    | -1.5                         | -7.1            | -9.9                        | -12.0            | -6.0                       | -11.2    | -12.9                        | -7.3            |
| 2015 ENE. | -8.2               | -10.2            | 1.9                        | -10.7    | -0.6                         | -8.3            | -8.2                        | -10.2            | 1.9                        | -10.7    | -0.6                         | -8.3            |
| FEB.      | -6.5               | -12.0            | -0.6                       | -8.5     | -7.5                         | -1.5            | -7.4                        | -11.1            | 0.6                        | -9.6     | -4.0                         | -5.1            |
| MAR.      | -8.3               | -11.1            | -7.3                       | -9.8     | -5.7                         | -5.7            | -7.7                        | -11.1            | -2.1                       | -9.6     | -4.6                         | -5.3            |
| ABR.      | -4.9               | -9.5             | -10.7                      | -8.6     | -3.8                         | 1.7             | -7.0                        | -10.7            | -4.3                       | -9.4     | -4.4                         | -3.6            |
| MAY.      | -5.0               | -9.4             | -10.7                      | -5.8     | -1.8                         | -0.7            | -6.6                        | -10.4            | -5.7                       | -8.7     | -3.9                         | -3.0            |
| JUN.      | -4.8               | -10.9            | -10.2                      | -2.4     | 3.7                          | -1.3            | -6.3                        | -10.5            | -6.4                       | -7.7     | -2.7                         | -2.7            |
| JUL.      | -4.5               | -11.5            | -11.7                      | -0.7     | 4.5                          | -0.5            | -6.0                        | -10.7            | -7.2                       | -6.8     | -1.7                         | -2.3            |
| AGO.      | -3.3               | -10.9            | -6.3                       | 1.5      | 3.0                          | 0.4             | -5.7                        | -10.7            | -7.1                       | -5.8     | -1.1                         | -2.0            |
| SET.      | -5.5               | -11.9            | -13.4                      | -1.2     | -6.1                         | -0.4            | -5.7                        | -10.8            | -7.8                       | -5.4     | -1.7                         | -1.8            |
| OCT.      | -9.1               | -12.4            | -13.1                      | -3.2     | -12.3                        | -7.6            | -6.0                        | -11.0            | -8.3                       | -5.2     | -2.8                         | -2.4            |
| NOV.      | -7.1               | -12.6            | -9.6                       | -0.7     | -15.2                        | -3.9            | -6.1                        | -11.1            | -8.4                       | -4.8     | -4.0                         | -2.6            |
| DIC.      | -5.5               | -12.0            | -12.9                      | -2.5     | -11.6                        | 0.1             | -6.1                        | -11.2            | -8.8                       | -4.6     | -4.7                         | -2.3            |
| 2016 ENE. | -6.2               | -13.0            | -12.4                      | -2.4     | -11.6                        | -0.5            | -6.2                        | -13.0            | -12.4                      | -2.4     | -11.6                        | -0.5            |
| FEB.      | -6.1               | -9.8             | -10.6                      | -3.5     | 0.2                          | -4.3            | -6.2                        | -11.5            | -11.5                      | -2.9     | -6.0                         | -2.3            |
| MAR.      | -4.8               | -10.6            | -17.1                      | -0.6     | 0.0                          | -0.1            | -5.7                        | -11.2            | -13.3                      | -2.2     | -4.0                         | -1.6            |
| ABR.      | -6.4               | -11.6            | -21.3                      | -2.1     | -0.8                         | -2.6            | -5.9                        | -11.3            | -15.3                      | -2.2     | -3.3                         | -1.9            |
| MAY.      | -5.4               | -11.4            | -22.2                      | -0.5     | 2.2                          | -1.7            | -5.8                        | -11.3            | -16.6                      | -1.8     | -2.2                         | -1.8            |
| JUN.      | -5.2               | -11.2            | -22.5                      | 0.4      | -3.4                         | -1.1            | -5.7                        | -11.3            | -17.6                      | -1.4     | -2.4                         | -1.7            |

**CIUDAD DE CAJAMARCA: VARIACIÓN ANUAL Y VARIACIÓN PROMEDIO ANUAL DEL EMPLEO EN EMPRESAS PRIVADAS FORMALES DE 50 A MÁS TRABAJADORES POR RAMA DE ACTIVIDAD ECONÓMICA, ENERO 2001 - 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/ |
| 2017 JUL. | -6.0               | -11.1         | -22.1                   | -0.8     | -1.6                      | -3.0         | -5.7                        | -11.3         | -18.2                   | -1.4     | -2.3                      | -1.9         |
| AGO.      | -9.1               | -10.1         | -40.6                   | -2.1     | -3.6                      | -7.1         | -6.2                        | -11.1         | -21.0                   | -1.4     | -2.4                      | -2.6         |
| SET.      | -4.4               | -6.6          | -33.7                   | 3.2      | 5.1                       | -2.9         | -6.0                        | -10.7         | -22.3                   | -1.0     | -1.6                      | -2.6         |
| OCT.      | 0.8                | -0.3          | -28.8                   | 8.4      | 9.9                       | 1.9          | -5.3                        | -9.7          | -22.9                   | -0.1     | -0.5                      | -2.2         |
| NOV.      | -0.6               | -0.5          | -27.5                   | 5.4      | 11.0                      | -0.7         | -4.9                        | -8.9          | -23.3                   | 0.4      | 0.5                       | -2.0         |
| DIC.      | -1.5               | 0.1           | -26.6                   | 4.8      | 9.3                       | -2.7         | -4.6                        | -8.1          | -23.5                   | 0.8      | 1.2                       | -2.1         |
| 2017 ENE. | -3.7               | 2.1           | -28.6                   | 2.1      | 9.3                       | -8.1         | -3.7                        | 2.1           | -28.6                   | 2.1      | 9.3                       | -8.1         |
| FEB.      | 0.8                | 3.5           | -21.7                   | 5.4      | 6.9                       | -0.4         | -1.5                        | 2.8           | -25.2                   | 3.7      | 8.1                       | -4.5         |
| MAR.      | 1.4                | 4.3           | -13.7                   | 4.3      | 4.0                       | -0.1         | -0.5                        | 3.3           | -21.6                   | 3.9      | 6.7                       | -3.0         |
| ABR.      | 4.6                | 5.6           | -6.7                    | 7.9      | 1.7                       | 4.7          | 0.8                         | 3.9           | -18.2                   | 4.9      | 5.5                       | -1.0         |
| MAY.      | 0.9                | 5.2           | -7.3                    | 6.4      | -3.3                      | -2.0         | 0.8                         | 4.1           | -16.2                   | 5.2      | 3.7                       | -1.3         |
| JUN.      | 1.5                | 5.9           | -2.3                    | 5.6      | -0.1                      | -2.0         | 0.9                         | 4.4           | -14.0                   | 5.3      | 3.0                       | -1.4         |
| 2018 JUL. | 1.3                | 5.6           | -3.1                    | 7.0      | -3.8                      | -2.1         | 1.0                         | 4.6           | -12.6                   | 5.5      | 2.0                       | -1.5         |
| AGO.      | 0.7                | 4.1           | 25.4                    | 7.2      | -0.9                      | -6.3         | 0.9                         | 4.5           | -9.0                    | 5.7      | 1.7                       | -2.1         |
| SET.      | -2.0               | 0.9           | 15.1                    | 4.7      | -7.4                      | -7.5         | 0.6                         | 4.1           | -6.9                    | 5.6      | 0.6                       | -2.7         |
| OCT.      | -3.2               | -3.5          | 5.2                     | 1.7      | -10.2                     | -4.7         | 0.2                         | 3.3           | -5.9                    | 5.2      | -0.5                      | -2.9         |
| NOV.      | -3.7               | -2.9          | 6.1                     | -1.9     | -10.4                     | -4.7         | -0.2                        | 2.7           | -4.9                    | 4.5      | -1.5                      | -3.1         |
| DIC.      | -3.9               | -4.4          | 8.2                     | -1.8     | -9.7                      | -4.7         | -0.5                        | 2.1           | -4.0                    | 4.0      | -2.2                      | -3.2         |
| 2018 ENE. | -3.1               | -5.6          | 9.3                     | -0.7     | -8.1                      | -3.2         | -3.1                        | -5.6          | 9.3                     | -0.7     | -8.1                      | -3.2         |
| FEB.      | -5.3               | -6.2          | -5.7                    | -5.2     | -8.8                      | -4.2         | -4.2                        | -5.9          | 1.4                     | -3.0     | -8.4                      | -3.7         |
| MAR.      | -5.0               | -6.8          | -9.9                    | -5.7     | -5.0                      | -2.8         | -4.5                        | -6.2          | -2.5                    | -3.9     | -7.3                      | -3.4         |
| ABR.      | -6.0               | -6.2          | -5.9                    | -5.2     | -2.9                      | -6.7         | -4.9                        | -6.2          | -3.3                    | -4.2     | -6.2                      | -4.3         |
| MAY.      | -3.5               | -6.5          | -6.7                    | -5.5     | -2.2                      | 0.4          | -4.6                        | -6.3          | -4.0                    | -4.5     | -5.5                      | -3.3         |
| JUN.      | -4.2               | -7.1          | -11.4                   | -5.2     | -5.2                      | 0.1          | -4.5                        | -6.4          | -5.3                    | -4.6     | -5.4                      | -2.7         |
| 2019 JUL. | -4.9               | -7.4          | -9.7                    | -8.1     | -6.7                      | 0.1          | -4.6                        | -6.5          | -6.0                    | -5.1     | -5.6                      | -2.3         |
| AGO.      | -4.5               | -6.8          | -3.6                    | -7.1     | -5.7                      | -2.0         | -4.6                        | -6.6          | -5.7                    | -5.4     | -5.6                      | -2.2         |
| SET.      | 0.0                | -6.8          | 4.3                     | -6.0     | -2.3                      | 8.0          | -4.1                        | -6.6          | -4.6                    | -5.4     | -5.3                      | -1.1         |
| OCT.      | -2.1               | -6.3          | 8.7                     | -6.1     | -0.5                      | 1.2          | -3.9                        | -6.6          | -3.3                    | -5.5     | -4.8                      | -0.9         |
| NOV.      | -1.3               | -7.7          | 11.0                    | -3.6     | 3.4                       | 1.7          | -3.6                        | -6.7          | -2.1                    | -5.3     | -4.1                      | -0.6         |
| DIC.      | -0.7               | -6.4          | 12.5                    | -2.8     | 3.2                       | 1.6          | -3.4                        | -6.6          | -0.8                    | -5.1     | -3.5                      | -0.4         |
| 2019 ENE. | -1.5               | -5.2          | 10.8                    | -3.6     | -2.2                      | -1.5         | -1.5                        | -5.2          | 10.8                    | -3.6     | -2.2                      | -1.5         |
| FEB.      | -0.7               | -5.0          | 16.8                    | -2.9     | -2.4                      | -0.6         | -1.1                        | -5.1          | 13.7                    | -3.3     | -2.3                      | -1.0         |
| MAR.      | -1.7               | -4.7          | 16.1                    | -2.6     | -4.4                      | -2.9         | -1.3                        | -5.0          | 14.5                    | -3.1     | -3.0                      | -1.7         |
| ABR.      | -1.4               | 2.0           | 10.7                    | -3.9     | -8.7                      | -3.1         | -1.3                        | -3.2          | 13.5                    | -3.3     | -4.4                      | -2.1         |
| MAY.      | -1.2               | 3.8           | 11.9                    | -5.5     | -6.2                      | -3.5         | -1.3                        | -1.8          | 13.2                    | -3.7     | -4.8                      | -2.4         |
| JUN.      | -0.7               | 3.8           | 7.3                     | -2.5     | -2.3                      | -3.9         | -1.2                        | -0.9          | 12.2                    | -3.5     | -4.4                      | -2.7         |
| 2019 JUL. | -0.8               | 5.0           | -6.0                    | -0.1     | -3.9                      | -3.6         | -1.1                        | -0.1          | 9.6                     | -3.1     | -4.3                      | -2.8         |
| AGO.      | -2.3               | 4.1           | -9.2                    | -1.0     | -5.1                      | -5.5         | -1.3                        | 0.4           | 7.1                     | -2.8     | -4.4                      | -3.1         |

**Nota:** La información corresponde al primer día de cada mes. El análisis de la ciudad se inició en enero 2001.

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.

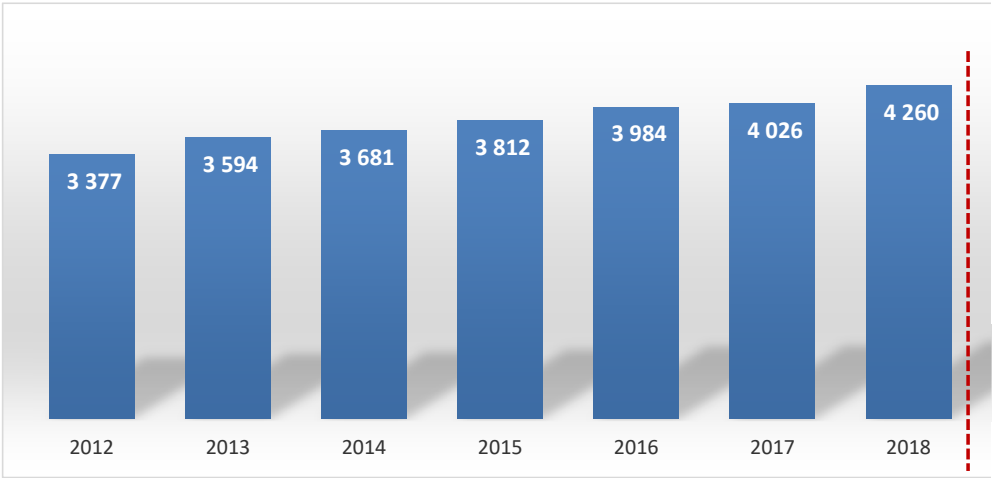
4/ Conformada por las subramas servicios prestados a empresas, restaurantes y hoteles, establecimientos financieros, enseñanza, servicios sociales y comunales; y electricidad, gas y agua.

P/ Cifras preliminares.

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

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

CAJAMARCA: PROMEDIO DE EMPRESAS DEL SECTOR PRIVADO, 2

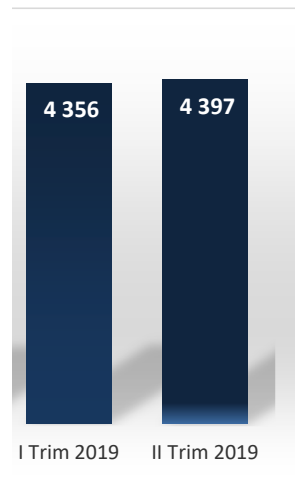


**Fuente:** MTPE – OGETIC – Oficina de Estadística - Planilla Electrónica.  
**Elaboración:** MTPE - DGPE - Dirección de Investigación Socio Económico Laboral (DISEL).

| REGIÓN    | 2012    | 2013    | 2014    | 2015    |
|-----------|---------|---------|---------|---------|
| CAJAMARCA | 3377    | 3594    | 3681    | 3812    |
| PERÚ      | 242,913 | 253,088 | 261,781 | 273,873 |

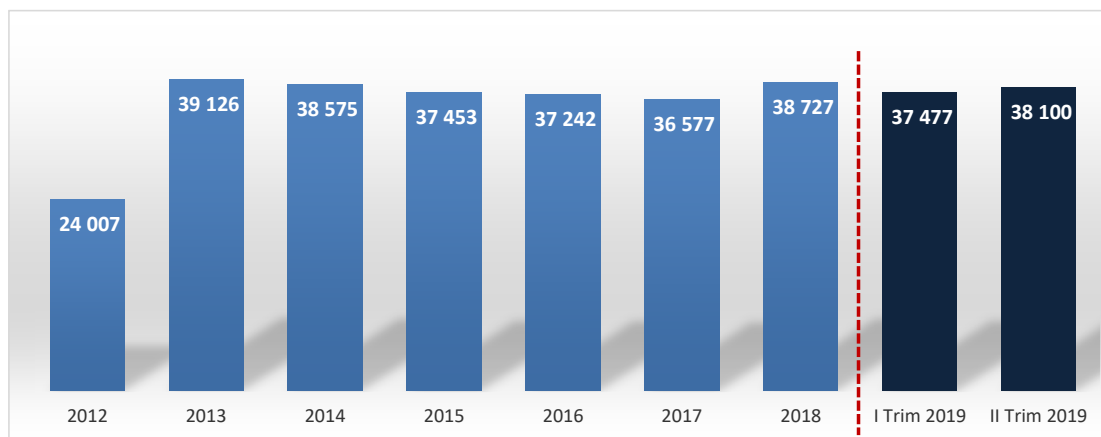
## 2012 - II TRIM 2019

[Volver al índice](#)



| 2016    | 2017    | 2018    | I Trim 2019 | II Trim 2019 |
|---------|---------|---------|-------------|--------------|
| 3984    | 4026    | 4260    | 4356        | 4397         |
| 282,150 | 283,895 | 293,938 | 297,108     | 301,186      |

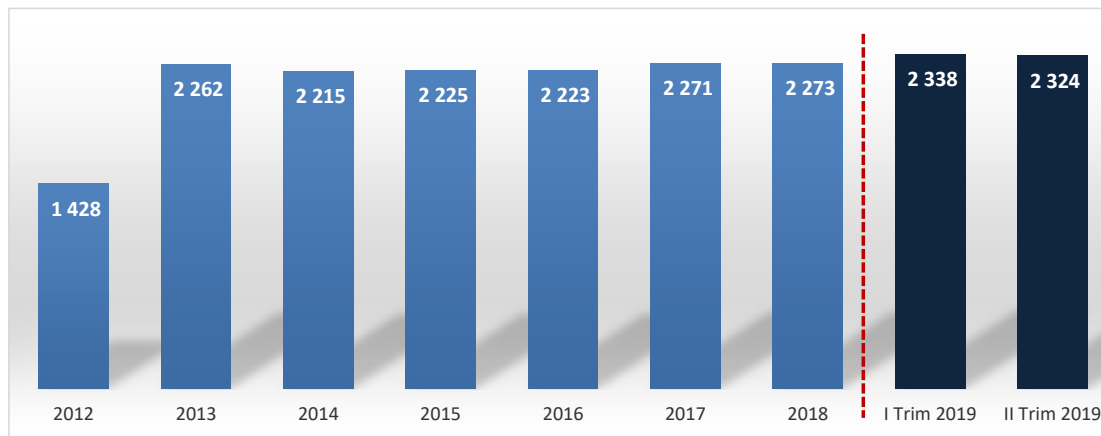
**CAJAMARCA: PROMEDIO DE TRABAJADORES DEL SECTOR PRIVADO,  
2012 - II TRIM 2019  
(Personas)**



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

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

**CAJAMARCA: PROMEDIO DE REMUNERACIÓN MENSUAL DE TRABAJADORES DEL  
SECTOR PRIVADO, 2012 - II TRIM 2019  
(Soles)**



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

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