**Clúster**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Resumen de procesamiento de casosa** | | | | | |
| Casos | | | | | |
| Válido | | Perdidos | | Total | |
| N | Porcentaje | N | Porcentaje | N | Porcentaje |
| 30 | 100,0 | 0 | ,0 | 30 | 100,0 |
| a. Enlace promedio (entre grupos) | | | | | |

|  |
| --- |
| **Matriz de proximidades** |
|  | | 1:Amazonas | 2:Ancash | 3:Apurímac | 4:Cañete | 5:Huancavelica | 6:Huaura | 7:Madre Dios | 8:Moquegua | 9:Pasco | 10:Santa | 11:Sullana | 12:Tacna | 13:Tumbes | 14:Ucayali | 15:Arequipa | 16:Cusco | 17:Junín | 18:Lima Sur | 19:Piura | 20:Puno | 21:Ayacucho | 22:Cajamarca | 23:Callao | 24:Huánuco | 25:Ica | 26:Loreto | 27:San Martín | 28:La Libertad | 29:Lambayeque | 30:Lima Norte |
| 1:Amazonas | | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,000 | ,009 | ,005 | ,007 | ,002 | ,003 | ,002 | ,001 | ,002 | ,002 | ,001 | ,003 | ,000 | ,001 | ,014 | ,010 | ,011 |
| 2:Ancash | | ,000 | ,000 | ,000 | ,001 | ,001 | ,000 | ,001 | ,001 | ,001 | ,001 | ,001 | ,000 | ,001 | ,000 | ,007 | ,003 | ,005 | ,002 | ,003 | ,001 | ,000 | ,001 | ,002 | ,001 | ,002 | ,000 | ,001 | ,011 | ,008 | ,009 |
| 3:Apurímac | | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,000 | ,008 | ,004 | ,006 | ,002 | ,003 | ,001 | ,001 | ,001 | ,002 | ,000 | ,003 | ,000 | ,001 | ,012 | ,009 | ,010 |
| 4:Cañete | | ,000 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,000 | ,010 | ,006 | ,008 | ,003 | ,004 | ,002 | ,001 | ,002 | ,003 | ,001 | ,004 | ,001 | ,002 | ,015 | ,012 | ,012 |
| 5:Huancavelica | | ,000 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,002 | ,000 | ,000 | ,000 | ,000 | ,011 | ,006 | ,008 | ,003 | ,005 | ,003 | ,001 | ,002 | ,003 | ,001 | ,004 | ,001 | ,002 | ,016 | ,012 | ,013 |
| 6:Huaura | | ,000 | ,000 | ,000 | ,001 | ,001 | ,000 | ,001 | ,001 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,006 | ,003 | ,004 | ,001 | ,002 | ,001 | ,000 | ,000 | ,001 | ,000 | ,001 | ,000 | ,000 | ,010 | ,007 | ,007 |
| 7:Madre Dios | | ,000 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,002 | ,000 | ,001 | ,000 | ,000 | ,012 | ,007 | ,009 | ,004 | ,005 | ,003 | ,002 | ,003 | ,004 | ,002 | ,005 | ,001 | ,002 | ,017 | ,013 | ,014 |
| 8:Moquegua | | ,000 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,000 | ,010 | ,006 | ,008 | ,003 | ,004 | ,003 | ,001 | ,002 | ,003 | ,001 | ,004 | ,001 | ,002 | ,015 | ,012 | ,012 |
| 9:Pasco | | ,000 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,002 | ,000 | ,001 | ,000 | ,000 | ,012 | ,007 | ,009 | ,004 | ,005 | ,003 | ,002 | ,003 | ,004 | ,002 | ,005 | ,001 | ,003 | ,017 | ,014 | ,014 |
| 10:Santa | | ,001 | ,001 | ,001 | ,001 | ,002 | ,000 | ,002 | ,001 | ,002 | ,000 | ,001 | ,001 | ,001 | ,001 | ,004 | ,002 | ,003 | ,001 | ,001 | ,001 | ,000 | ,000 | ,000 | ,000 | ,001 | ,001 | ,000 | ,008 | ,005 | ,006 |
| 11:Sullana | | ,000 | ,001 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,000 | ,009 | ,005 | ,006 | ,002 | ,003 | ,002 | ,001 | ,002 | ,002 | ,001 | ,003 | ,000 | ,001 | ,013 | ,010 | ,010 |
| 12:Tacna | | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,001 | ,000 | ,001 | ,001 | ,000 | ,000 | ,000 | ,000 | ,007 | ,004 | ,005 | ,002 | ,003 | ,002 | ,000 | ,001 | ,002 | ,000 | ,002 | ,000 | ,001 | ,012 | ,009 | ,009 |
| 13:Tumbes | | ,000 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,000 | ,010 | ,006 | ,007 | ,003 | ,004 | ,002 | ,001 | ,002 | ,003 | ,001 | ,004 | ,001 | ,002 | ,015 | ,011 | ,012 |
| 14:Ucayali | | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,000 | ,000 | ,008 | ,004 | ,006 | ,002 | ,003 | ,001 | ,000 | ,001 | ,002 | ,000 | ,003 | ,000 | ,001 | ,012 | ,009 | ,009 |
| 15:Arequipa | | ,009 | ,007 | ,008 | ,010 | ,011 | ,006 | ,012 | ,010 | ,012 | ,004 | ,009 | ,007 | ,010 | ,008 | ,000 | ,001 | ,001 | ,004 | ,002 | ,005 | ,005 | ,003 | ,002 | ,005 | ,002 | ,007 | ,004 | ,001 | ,000 | ,002 |
| 16:Cusco | | ,005 | ,003 | ,004 | ,006 | ,006 | ,003 | ,007 | ,006 | ,007 | ,002 | ,005 | ,004 | ,006 | ,004 | ,001 | ,000 | ,001 | ,002 | ,001 | ,002 | ,002 | ,001 | ,001 | ,002 | ,000 | ,003 | ,001 | ,003 | ,002 | ,002 |
| 17:Junín | | ,007 | ,005 | ,006 | ,008 | ,008 | ,004 | ,009 | ,008 | ,009 | ,003 | ,006 | ,005 | ,007 | ,006 | ,001 | ,001 | ,000 | ,002 | ,001 | ,003 | ,003 | ,002 | ,001 | ,003 | ,001 | ,004 | ,002 | ,002 | ,001 | ,001 |
| 18:Lima Sur | | ,002 | ,002 | ,002 | ,003 | ,003 | ,001 | ,004 | ,003 | ,004 | ,001 | ,002 | ,002 | ,003 | ,002 | ,004 | ,002 | ,002 | ,000 | ,001 | ,001 | ,001 | ,001 | ,001 | ,001 | ,002 | ,001 | ,001 | ,007 | ,004 | ,003 |
| 19:Piura | | ,003 | ,003 | ,003 | ,004 | ,005 | ,002 | ,005 | ,004 | ,005 | ,001 | ,003 | ,003 | ,004 | ,003 | ,002 | ,001 | ,001 | ,001 | ,000 | ,001 | ,001 | ,001 | ,000 | ,001 | ,001 | ,002 | ,001 | ,004 | ,002 | ,002 |
| 20:Puno | | ,002 | ,001 | ,001 | ,002 | ,003 | ,001 | ,003 | ,003 | ,003 | ,001 | ,002 | ,002 | ,002 | ,001 | ,005 | ,002 | ,003 | ,001 | ,001 | ,000 | ,001 | ,000 | ,001 | ,001 | ,001 | ,001 | ,000 | ,008 | ,005 | ,005 |
| 21:Ayacucho | | ,001 | ,000 | ,001 | ,001 | ,001 | ,000 | ,002 | ,001 | ,002 | ,000 | ,001 | ,000 | ,001 | ,000 | ,005 | ,002 | ,003 | ,001 | ,001 | ,001 | ,000 | ,000 | ,001 | ,000 | ,001 | ,000 | ,000 | ,008 | ,006 | ,006 |
| 22:Cajamarca | | ,002 | ,001 | ,001 | ,002 | ,002 | ,000 | ,003 | ,002 | ,003 | ,000 | ,002 | ,001 | ,002 | ,001 | ,003 | ,001 | ,002 | ,001 | ,001 | ,000 | ,000 | ,000 | ,000 | ,000 | ,001 | ,001 | ,000 | ,006 | ,004 | ,004 |
| 23:Callao | | ,002 | ,002 | ,002 | ,003 | ,003 | ,001 | ,004 | ,003 | ,004 | ,000 | ,002 | ,002 | ,003 | ,002 | ,002 | ,001 | ,001 | ,001 | ,000 | ,001 | ,001 | ,000 | ,000 | ,001 | ,000 | ,001 | ,000 | ,005 | ,003 | ,004 |
| 24:Huánuco | | ,001 | ,001 | ,000 | ,001 | ,001 | ,000 | ,002 | ,001 | ,002 | ,000 | ,001 | ,000 | ,001 | ,000 | ,005 | ,002 | ,003 | ,001 | ,001 | ,001 | ,000 | ,000 | ,001 | ,000 | ,001 | ,000 | ,000 | ,008 | ,006 | ,006 |
| 25:Ica | | ,003 | ,002 | ,003 | ,004 | ,004 | ,001 | ,005 | ,004 | ,005 | ,001 | ,003 | ,002 | ,004 | ,003 | ,002 | ,000 | ,001 | ,002 | ,001 | ,001 | ,001 | ,001 | ,000 | ,001 | ,000 | ,002 | ,001 | ,004 | ,003 | ,004 |
| 26:Loreto | | ,000 | ,000 | ,000 | ,001 | ,001 | ,000 | ,001 | ,001 | ,001 | ,001 | ,000 | ,000 | ,001 | ,000 | ,007 | ,003 | ,004 | ,001 | ,002 | ,001 | ,000 | ,001 | ,001 | ,000 | ,002 | ,000 | ,000 | ,011 | ,008 | ,007 |
| 27:San Martín | | ,001 | ,001 | ,001 | ,002 | ,002 | ,000 | ,002 | ,002 | ,003 | ,000 | ,001 | ,001 | ,002 | ,001 | ,004 | ,001 | ,002 | ,001 | ,001 | ,000 | ,000 | ,000 | ,000 | ,000 | ,001 | ,000 | ,000 | ,007 | ,005 | ,005 |
| 28:La Libertad | | ,014 | ,011 | ,012 | ,015 | ,016 | ,010 | ,017 | ,015 | ,017 | ,008 | ,013 | ,012 | ,015 | ,012 | ,001 | ,003 | ,002 | ,007 | ,004 | ,008 | ,008 | ,006 | ,005 | ,008 | ,004 | ,011 | ,007 | ,000 | ,000 | ,002 |
| 29:Lambayeque | | ,010 | ,008 | ,009 | ,012 | ,012 | ,007 | ,013 | ,012 | ,014 | ,005 | ,010 | ,009 | ,011 | ,009 | ,000 | ,002 | ,001 | ,004 | ,002 | ,005 | ,006 | ,004 | ,003 | ,006 | ,003 | ,008 | ,005 | ,000 | ,000 | ,001 |
| 30:Lima Norte | | ,  011 | ,009 | ,010 | ,012 | ,013 | ,007 | ,014 | ,012 | ,014 | ,006 | ,010 | ,009 | ,012 | ,009 | ,002 | ,002 | ,001 | ,003 | ,002 | ,005 | ,006 | ,004 | ,004 | ,006 | ,004 | ,007 | ,005 | ,002 | ,001 | ,000 |

**Enlace promedio (entre grupos)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Historial de conglomeración** | | | | | | |
| Etapa | Clúster combinado | | Coeficientes | Primera aparición del clúster de etapa | | Etapa siguiente |
| Clúster 1 | Clúster 2 | Clúster 1 | Clúster 2 |
| 1 | 3 | 14 | ,000 | 0 | 0 | 5 |
| 2 | 8 | 13 | ,000 | 0 | 0 | 3 |
| 3 | 4 | 8 | ,000 | 0 | 2 | 6 |
| 4 | 7 | 9 | ,000 | 0 | 0 | 9 |
| 5 | 3 | 11 | ,000 | 1 | 0 | 8 |
| 6 | 4 | 5 | ,000 | 3 | 0 | 9 |
| 7 | 21 | 24 | ,000 | 0 | 0 | 11 |
| 8 | 1 | 3 | ,000 | 0 | 5 | 12 |
| 9 | 4 | 7 | ,000 | 6 | 4 | 15 |
| 10 | 22 | 27 | ,000 | 0 | 0 | 16 |
| 11 | 10 | 21 | ,000 | 0 | 7 | 13 |
| 12 | 1 | 12 | ,000 | 8 | 0 | 15 |
| 13 | 6 | 10 | ,000 | 0 | 11 | 16 |
| 14 | 19 | 23 | ,000 | 0 | 0 | 21 |
| 15 | 1 | 4 | ,000 | 12 | 9 | 28 |
| 16 | 6 | 22 | ,000 | 13 | 10 | 20 |
| 17 | 16 | 25 | ,000 | 0 | 0 | 21 |
| 18 | 15 | 29 | ,000 | 0 | 0 | 22 |
| 19 | 2 | 26 | ,000 | 0 | 0 | 20 |
| 20 | 2 | 6 | ,000 | 19 | 16 | 23 |
| 21 | 16 | 19 | ,001 | 17 | 14 | 27 |
| 22 | 15 | 17 | ,001 | 18 | 0 | 24 |
| 23 | 2 | 20 | ,001 | 20 | 0 | 25 |
| 24 | 15 | 28 | ,001 | 22 | 0 | 26 |
| 25 | 2 | 18 | ,001 | 23 | 0 | 27 |
| 26 | 15 | 30 | ,001 | 24 | 0 | 29 |
| 27 | 2 | 16 | ,001 | 25 | 21 | 28 |
| 28 | 1 | 2 | ,002 | 15 | 27 | 29 |
| 29 | 1 | 15 | ,007 | 28 | 26 | 0 |

|  |  |
| --- | --- |
| **Clúster de pertenencia** | |
| Caso | 3 clústeres |
| 1:Amazonas | 1 |
| 2:Ancash | 2 |
| 3:Apurímac | 1 |
| 4:Cañete | 1 |
| 5:Huancavelica | 1 |
| 6:Huaura | 2 |
| 7:Madre Dios | 1 |
| 8:Moquegua | 1 |
| 9:Pasco | 1 |
| 10:Santa | 2 |
| 11:Sullana | 1 |
| 12:Tacna | 1 |
| 13:Tumbes | 1 |
| 14:Ucayali | 1 |
| 15:Arequipa | 3 |
| 16:Cusco | 2 |
| 17:Junín | 3 |
| 18:Lima Sur | 2 |
| 19:Piura | 2 |
| 20:Puno | 2 |
| 21:Ayacucho | 2 |
| 22:Cajamarca | 2 |
| 23:Callao | 2 |
| 24:Huánuco | 2 |
| 25:Ica | 2 |
| 26:Loreto | 2 |
| 27:San Martín | 2 |
| 28:La Libertad | 3 |
| 29:Lambayeque | 3 |
| 30:Lima Norte | 3 |





