Numbers of association rules to Age (shown in Figure 15), Language and SA values:

Rule Mining Result (Age)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Templates of Association Rules (Itemset→Age) | | | | | | |
| Minimum confidence | G | P | E | G+P | G+E | P+E | G+P+E |
| 0.1 | 8 | 5 | 9 | 12 | 13 | 4 | 11 |
| 0.2 | 3 | 2 | 4 | 4 | 5 | 2 | 3 |
| 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Rule Mining Result (Home Languages)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Templates of Association Rules (Itemset→Language) | | | | | | |
| Minimum confidence | G | P | E | G+P | G+E | P+E | G+P+E |
| 0.1 | 2 | 7 | 3 | 3 | 5 | 3 | 2 |
| 0.2 | 2 | 7 | 3 | 3 | 5 | 3 | 2 |
| 0.3 | 2 | 7 | 3 | 3 | 5 | 3 | 2 |
| 0.4 | 2 | 7 | 3 | 3 | 5 | 3 | 2 |
| 0.5 | 2 | 7 | 3 | 3 | 5 | 3 | 2 |
| 0.6 | 2 | 7 | 3 | 3 | 5 | 3 | 2 |
| 0.7 | 2 | 7 | 3 | 3 | 5 | 3 | 2 |
| 0.8 | 2 | 6 | 3 | 2 | 5 | 2 | 2 |
| 0.9 | 0 | 4 | 3 | 2 | 5 | 2 | 2 |
| 1.0 | 0 | 0 | 3 | 1 | 2 | 1 | 2 |

Rule Mining Result (Statistical Areas)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Templates of Association Rules (Itemset→SA) | | | | | | |
| Minimum confidence | G | P | E | G+P | G+E | P+E | G+P+E |
| 0.1 | 2 | 10 | 3 | 4 | 2 | 3 | 11 |
| 0.2 | 2 | 10 | 3 | 4 | 2 | 3 | 11 |
| 0.3 | 2 | 10 | 3 | 4 | 2 | 3 | 11 |
| 0.4 | 2 | 10 | 3 | 4 | 2 | 3 | 11 |
| 0.5 | 2 | 10 | 3 | 4 | 2 | 3 | 11 |
| 0.6 | 3 | 10 | 3 | 4 | 2 | 3 | 11 |
| 0.7 | 2 | 10 | 3 | 4 | 2 | 3 | 11 |
| 0.8 | 2 | 8 | 2 | 2 | 2 | 3 | 9 |
| 0.9 | 0 | 6 | 2 | 2 | 2 | 3 | 9 |
| 1.0 | 0 | 1 | 0 | 1 | 1 | 2 | 9 |