**Table 1. Descriptive and inferential analyses for clustering result**

| Task | Feature | Clusters | n | Mean | SE | Statistic | p.value |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ANT | Correct congruent trials | Cluster 1 | 39 | 34.103 | 1.025 | 42.018 | <.001 |
| Cluster 2 | 23 | 38.739 | 1.226 |
| Cluster 3 | 43 | 25.209 | 1.199 |
| Correct incongruent trials | Cluster 1 | 39 | 19.231 | 1.091 | 46.193 | <.001 |
| Cluster 2 | 23 | 28.348 | 1.555 |
| Cluster 3 | 43 | 13.279 | 0.736 |
| Omitted congruent trials | Cluster 1 | 39 | 8.615 | 0.682 | 38.591 | <.001 |
| Cluster 2 | 23 | 4.304 | 0.611 |
| Cluster 3 | 43 | 13.326 | 1.052 |
| Omitted incongruent trials | Cluster 1 | 39 | 16.231 | 0.742 | 44.932 | <.001 |
| Cluster 2 | 23 | 7.435 | 0.558 |
| Cluster 3 | 43 | 19.465 | 1.172 |
| RT congruent trials | Cluster 1 | 39 | 1,167.077 | 17.280 | 15.456 | <.001 |
| Cluster 2 | 23 | 1,022.109 | 29.280 |
| Cluster 3 | 43 | 1,158.023 | 30.502 |
| RT incongruent trials | Cluster 1 | 39 | 1,285.333 | 20.877 | 18.506 | <.001 |
| Cluster 2 | 23 | 1,112.130 | 37.953 |
| Cluster 3 | 43 | 1,069.453 | 40.119 |
| Alerting network | Cluster 1 | 39 | 95.641 | 23.198 | 0.041 | 0.98 |
| Cluster 2 | 23 | 97.174 | 26.432 |
| Cluster 3 | 43 | 107.605 | 25.233 |
| Orienting network | Cluster 1 | 39 | -6.269 | 20.328 | 0.215 | 0.898 |
| Cluster 2 | 23 | 1.674 | 22.108 |
| Cluster 3 | 43 | -9.384 | 23.247 |
| Executive network | Cluster 1 | 39 | 118.256 | 17.204 | 34.080 | <.001 |
| Cluster 2 | 23 | 90.022 | 21.565 |
| Cluster 3 | 43 | -88.570 | 26.702 |
| CORSI | Correct trials | Cluster 1 | 39 | 5.974 | 0.549 | 22.934 | <.001 |
| Cluster 2 | 23 | 13.609 | 1.447 |
| Cluster 3 | 43 | 6.837 | 0.626 |
| Execution time correct trials | Cluster 1 | 39 | 10.978 | 0.294 | 25.378 | <.001 |
| Cluster 2 | 23 | 13.487 | 0.466 |
| Cluster 3 | 43 | 13.340 | 0.354 |
| Execution time incorrect trials | Cluster 1 | 39 | 14.833 | 0.345 | 22.803 | <.001 |
| Cluster 2 | 23 | 17.422 | 0.680 |
| Cluster 3 | 43 | 17.792 | 0.475 |
| TOL | Correct trials | Cluster 1 | 39 | 10.897 | 0.579 | 1.861 | 0.394 |
| Cluster 2 | 23 | 11.217 | 0.790 |
| Cluster 3 | 43 | 9.605 | 0.724 |
| Planning time correct trials | Cluster 1 | 39 | 5.623 | 0.250 | 4.883 | 0.087 |
| Cluster 2 | 23 | 5.239 | 0.320 |
| Cluster 3 | 43 | 6.166 | 0.284 |
| KBIT | Correct trials | Cluster 1 | 39 | 12.282 | 0.444 | 10.558 | 0.005 |
| Cluster 2 | 23 | 13.739 | 0.686 |
| Cluster 3 | 43 | 11.302 | 0.431 |