**NPar Tests**

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| **Notes** |  |  |
| Output Created |  | 15-MAY-2024 11:14:11 |
| Comments |  |  |
| Input | Data | C:\Users\dorot\Desktop\MasterStudy\Statistics\DataAnalysis.sav |
| Active Dataset | DataSet2 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 17 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| Cases Used | Statistics for each test are based on all cases with valid data for the variable(s) used in that test. |
| Syntax |  | NPAR TESTS /M-W= Mean\_Jerk\_Y Time Grasping\_P Grasping\_D Level BY Cluster(0 1) /MISSING ANALYSIS. |
| Resources | Processor Time | 00:00:00,02 |
| Elapsed Time | 00:00:00,01 |
| Number of Cases Alloweda | 285975 |

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| a. Based on availability of workspace memory. |  |  |

**Mann-Whitney Test**

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| **Ranks** |  |  |  |  |
|  | Cluster | N | Mean Rank | Sum of Ranks |
| Mean\_Jerk\_Y | 0 | 8 | 13,25 | 106,00 |
| 1 | 9 | 5,22 | 47,00 |
| Total | 17 |  |  |
| Time | 0 | 8 | 13,38 | 107,00 |
| 1 | 9 | 5,11 | 46,00 |
| Total | 17 |  |  |
| Grasping\_P | 0 | 8 | 10,31 | 82,50 |
| 1 | 9 | 7,83 | 70,50 |
| Total | 17 |  |  |
| Grasping\_D | 0 | 8 | 10,19 | 81,50 |
| 1 | 9 | 7,94 | 71,50 |
| Total | 17 |  |  |
| Level | 0 | 8 | 9,00 | 72,00 |
| 1 | 9 | 9,00 | 81,00 |
| Total | 17 |  |  |

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| **Test Statistics**a |  |  |  |  |  |
|  | Mean\_Jerk\_Y | Time | Grasping\_P | Grasping\_D | Level |
| Mann-Whitney U | 2,000 | 1,000 | 25,500 | 26,500 | 36,000 |
| Wilcoxon W | 47,000 | 46,000 | 70,500 | 71,500 | 81,000 |
| Z | -3,272 | -3,368 | -1,049 | -1,035 | ,000 |
| Asymp. Sig. (2-tailed) | ,001 | <,001 | ,294 | ,301 | 1,000 |
| Exact Sig. [2\*(1-tailed Sig.)] | <,001b | <,001b | ,321b | ,370b | 1,000b |

|  |  |  |  |  |  |
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| a. Grouping Variable: Cluster |  |  |  |  |  |
| b. Not corrected for ties. |  |  |  |  |  |