**NPar Tests**

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| --- | --- | --- |
| **Notes** |  |  |
| Output Created |  | 13-MAY-2024 16:15:05 |
| Comments |  |  |
| Input | Data | C:\Users\dorot\Desktop\MasterStudy\Statistics\DataAnalysis.sav |
| Active Dataset | DataSet1 |
| 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\_X Mean\_Jerk\_Y Mean\_Jerk\_Z Mean\_Jerk\_V BY Gender(0 1) /MISSING ANALYSIS. |
| Resources | Processor Time | 00:00:00,00 |
| Elapsed Time | 00:00:00,00 |
| Number of Cases Alloweda | 314572 |

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

**Mann-Whitney Test**

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| --- | --- | --- | --- | --- |
| **Ranks** |  |  |  |  |
|  | Gender | N | Mean Rank | Sum of Ranks |
| Mean\_Jerk\_X | Female | 9 | 10,33 | 93,00 |
| Male | 8 | 7,50 | 60,00 |
| Total | 17 |  |  |
| Mean\_Jerk\_Y | Female | 9 | 10,44 | 94,00 |
| Male | 8 | 7,38 | 59,00 |
| Total | 17 |  |  |
| Mean\_Jerk\_Z | Female | 9 | 10,11 | 91,00 |
| Male | 8 | 7,75 | 62,00 |
| Total | 17 |  |  |
| Mean\_Jerk\_V | Female | 9 | 10,67 | 96,00 |
| Male | 8 | 7,13 | 57,00 |
| Total | 17 |  |  |

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| **Test Statistics**a |  |  |  |  |
|  | Mean\_Jerk\_X | Mean\_Jerk\_Y | Mean\_Jerk\_Z | Mean\_Jerk\_V |
| Mann-Whitney U | 24,000 | 23,000 | 26,000 | 21,000 |
| Wilcoxon W | 60,000 | 59,000 | 62,000 | 57,000 |
| Z | -1,155 | -1,251 | -,962 | -1,443 |
| Asymp. Sig. (2-tailed) | ,248 | ,211 | ,336 | ,149 |
| Exact Sig. [2\*(1-tailed Sig.)] | ,277b | ,236b | ,370b | ,167b |

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| --- | --- | --- | --- | --- |
| a. Grouping Variable: Gender |  |  |  |  |
| b. Not corrected for ties. |  |  |  |  |