T-TEST PAIRS=PretestTorque PretestWork PretestPower RetestTorque RetestWork RetestPower WITH

PretestTorque2 PretestWork2 PretestPower2 RetestTorque2 RetestWork2 RetestPower2 (PAIRED)

/CRITERIA=CI(.9500)

/MISSING=ANALYSIS.

**T-Test**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 25-MAR-2020 13:32:51 |
| Comments | |  |
| Input | Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 20 |
| Missing Value Handling | Definition of Missing | User defined missing values are treated as missing. |
| Cases Used | Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis. |
| Syntax | | T-TEST PAIRS=PretestTorque PretestWork PretestPower RetestTorque RetestWork RetestPower WITH  PretestTorque2 PretestWork2 PretestPower2 RetestTorque2 RetestWork2 RetestPower2 (PAIRED)  /CRITERIA=CI(.9500)  /MISSING=ANALYSIS. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.01 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Paired Samples Statistics** | | | | | |
|  | | Mean | N | Std. Deviation | Std. Error Mean |
| Pair 1 | PretestTorque1 | 169.50 | 10 | 25.868 | 8.180 |
| PretestTorque2 | 170.70 | 10 | 25.867 | 8.180 |
| Pair 2 | PretestWork1 | 197.70 | 10 | 22.891 | 7.239 |
| PretestWork2 | 199.50 | 10 | 22.042 | 6.970 |
| Pair 3 | PretestPower1 | 298.50 | 10 | 12.030 | 3.804 |
| PretestPower2 | 298.90 | 10 | 10.482 | 3.315 |
| Pair 4 | RetestTorque1 | 165.50 | 10 | 22.663 | 7.167 |
| RetestTorque2 | 182.90 | 10 | 23.765 | 7.515 |
| Pair 5 | RetestWork1 | 194.00 | 10 | 19.972 | 6.316 |
| RetestWork2 | 210.20 | 10 | 20.049 | 6.340 |
| Pair 6 | RetestPower1 | 298.60 | 10 | 11.768 | 3.721 |
| RetestPower2 | 309.40 | 10 | 12.222 | 3.865 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Paired Samples Test** | | | | | | | | | |
|  | | Paired Differences | | | | | t | df | Sig. (2-tailed) |
| Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference | |
| Lower | Upper |
| Pair 1 | PretestTorque1 - PretestTorque2 | -1.200 | 4.050 | 1.281 | -4.097 | 1.697 | -.937 | 9 | .373 |
| Pair 2 | PretestWork1 - PretestWork2 | -1.800 | 5.789 | 1.831 | -5.941 | 2.341 | -.983 | 9 | .351 |
| Pair 3 | PretestPower1 - PretestPower2 | -.400 | 5.910 | 1.869 | -4.628 | 3.828 | -.214 | 9 | .835 |
| Pair 4 | RetestTorque1 - RetestTorque2 | -17.400 | 5.103 | 1.614 | -21.051 | -13.749 | -10.782 | 9 | .000 |
| Pair 5 | RetestWork1 - RetestWork2 | -16.200 | 5.996 | 1.896 | -20.489 | -11.911 | -8.543 | 9 | .000 |
| Pair 6 | RetestPower1 - RetestPower2 | -10.800 | 6.680 | 2.112 | -15.579 | -6.021 | -5.113 | 9 | .001 |