Table 1: Test of null hypothesis that mean of Female is equal to mean of Male

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | Sex | Sample  Size | Mean | Variance | Standard  deviation | Standard error |  | Probability |
| of mean | Test statistic |
| Antennae length | Female | 15 | 2309 | 34326 | 185.3 | 47.84 | 3.97 | < 0.001 |
| Male | 15 | 2077 | 17181 | 131.1 | 33.84 |  |  |
| Forewing length | Female | 15 | 2905 | 29514 | 171.8 | 44.36 | 8.44 | < 0.001 |
| Male | 15 | 2326 | 41123 | 202.8 | 52.36 |  |  |
| Longevity (days) | Female | 30 | 5.8 | 0.4414 | 0.6644 | 0.1213 | 11.17 | < 0.001 |
| Male | 30 | 3.833 | 0.4885 | 0.6989 | 0.1276 |  |  |
| Body length | Female | 30 | 3880 | 51026 | 225.9 | 41.24 | 13.56 | < 0.001 |
| Male | 30 | 2971 | 84010 | 289.8 | 52.92 |  |  |
| Widest body part width | Female | 30 | 1302 | 16303 | 127.7 | 23.31 | 12.71 | < 0.001 |
| Male | 30 | 928 | 9678 | 98.4 | 17.96 |  |  |
| Vertex length | Female | 30 | 652.6 | 1095 | 33.09 | 6.041 | 13.86 | < 0.001 |
| Male | 30 | 535.6 | 1044 | 32.32 | 5.9 |  |  |