

Input 1 - Length - k-T w/ Replace vs FPS  
F-Test Two-Sample for Variances

|                     | <i>Variable 1</i> | <i>Variable 2</i> |
|---------------------|-------------------|-------------------|
| Mean                | -29.8549          | -30.3086          |
| Variance            | 21.81868          | 32.46742          |
| Observations        | 398               | 398               |
| df                  | 397               | 397               |
| F                   | 0.672018          |                   |
| P(F<=f) one-tail    | 4E-05             |                   |
| F Critical one-tail | 0.847636          |                   |

Mean(v1) > Mean(v2) and F < F-Critical => Equal Variance

t-Test: Two-Sample Assuming Equal Variances

|                              | <i>Variable 1</i> | <i>Variable 2</i> |
|------------------------------|-------------------|-------------------|
| Mean                         | -29.8549          | -30.3086          |
| Variance                     | 21.81868          | 32.46742          |
| Observations                 | 398               | 398               |
| Pooled Variance              | 27.14305          |                   |
| Hypothesized Mean Difference | 0                 |                   |
| df                           | 794               |                   |
| t Stat                       | 1.228434          |                   |
| P(T<=t) one-tail             | 0.109824          |                   |
| t Critical one-tail          | 1.646775          |                   |
| P(T<=t) two-tail             | 0.219648          |                   |
| t Critical two-tail          | 1.962956          |                   |

t < t Critical => Same