aov\_pyvttbl = df.anova1way('weight', 'group')

print(aov\_pyvttbl)

**Anova**: Single Factor on weight

SUMMARY

Groups Count Sum Average Variance

============================================

ctrl 10 50.320 5.032 0.340

trt1 10 46.610 4.661 0.630

trt2 10 55.260 5.526 0.196

O'BRIEN TEST FOR HOMOGENEITY OF VARIANCE

Source of Variation SS df MS F P-value eta^2 Obs. power

===============================================================================

Treatments 0.977 2 0.489 1.593 0.222 0.106 0.306

Error 8.281 27 0.307

===============================================================================

Total 9.259 29

ANOVA

Source of Variation SS df MS F P-value eta^2 Obs. power

================================================================================

Treatments 3.766 2 1.883 4.846 0.016 0.264 0.661

Error 10.492 27 0.389

================================================================================

Total 14.258 29

POSTHOC MULTIPLE COMPARISONS

Tukey HSD: Table of q-statistics

ctrl trt1 trt2

=================================

ctrl 0 1.882 ns 2.506 ns

trt1 0 4.388 \*

trt2 0

=================================

+ p < .10 (q-critical[3, 27] = 3.0301664694)

\* p < .05 (q-critical[3, 27] = 3.50576984879)

\*\* p < .01 (q-critical[3, 27] = 4.49413305084)