

Guidance for computing adjusted means, using SPSS

We will compute effect sizes based on the following formula: (program adjusted mean minus control adjusted mean) divided by the posttest (pooled unadjusted standard deviation).

The adjusted means are adjusted for the pretest used as a covariate. With SPSS, the following code will provide adjusted means.

UNIANOVA POSTTEST BY TREATMENT WITH PRETEST

/METHOD=SSTYPE(3)

/INTERCEPT=INCLUDE

/EMMEANS=TABLES(TREATMENT) WITH(PRETEST=MEAN) COMPARE ADJ(LSD)

/PRINT=DESCRIPTIVE

/CRITERIA=ALPHA(.05)

/DESIGN=PRETEST TREATMENT.