

5.32, follow ANOVA up with a posthoc test

5.34, for part c use Tukey's HSD and Fisher's LSD and comment on whether your interpretations would change depending on which test you used. And verify assumptions before running the ANOVA.

6.6 a,b,c

6.28 a (make sure to comment on validity of results, and whether any posthoc tests should be used),b, c

I am leaving this one in for anyone who wants to give it a shot, but it won't be graded.

5. Eight amateur boxers participated in an experiment to investigate the effect of massage on boxing performance. The punching power of each boxer (measured in Newtons) was recorded in the round following each of four different interventions: (MassaR1) in round 1 following a pre-bout sports massage, (RestR1) in round 1 following a pre-bout period of rest, (MassaR5) in round 5 following a sports massage between rounds, and (RestR5) in round 5 following a period of rest between rounds. The main goal of the experiment is to compare the punching power means of the four interventions. Use a repeated-measures ANOVA to answer this question. The data is located on the handouts page of the isites, under SPSS datasets, week4 hw boxing.

A) Investigate the assumptions.

B) Test the main effect of intervention.

C) Follow up with posthoc tests if appropriate.