Chapter 4 / 6 Help Guide

1. Running an ANOVA:
   1. Between subjects: remember that you have to have ONE DV column and ONE IV column. In the IV column, you must have groups labeled (1, 2, 3) and you can put value labels (so the output will be labeled).
   2. Analyze > general linear model > univariate
   3. DV goes into the dependent variable box
   4. IV goes into the fixed factor box.
   5. Options: move over the mean to the right side, click descriptives, effect sizes, and homogeneity tests
2. Reading the output:
   1. Remember to ignore the 1st, 2nd, and 5th lines in the ANOVA box (between subjects only!).
   2. Levene’s test = good if p > .001
   3. Levene’s test = BAD is p < .001 (basically if .000).
   4. Look for a significant F value.
3. Planned comparisons:
   1. Run independent t-tests for the groups you want to compare.
   2. Complex contrast = first average the means you want to create one group out of (i.e. experimental groups versus control).
      1. Transform > compute > create new variable (var 1 + var 2) / 2 etc.
      2. Or create new column with 1s in control groups and 2s in experimental groups for between subjects
   3. T-tests > analyze > compare means > independent samples
   4. DV goes in variable box, IV in groups box, you have to tell it what “numbers” you want to compare.
   5. Rerun until you’ve compared all the numbers you wish to compare.
4. Pairwise comparison – running everything
   1. Analyze > general linear model > univariate
   2. DV goes into the dependent variable box
   3. IV goes into the fixed factor box.
   4. Post hoc button > move over the group you want to analyze
   5. Select the post hoc you want to use (i.e. tukey).