Research Project 5

**Include the following two sections as your write up.**

**Results:** (note this section will be in sentences, not an outline like the previous document).

* The word Results is **bolded** in the center of the page.
* Outline (write this in sentences but here’s the general order):
  + Give a description of what the IV and the DV are in the study – explain the variables and their scale (i.e. nominal, ordinal, interval, ratio).
  + Given these variables, list the type of statistical test you are performing.
    - Because we have two groups that are between subjects, an independent t-test was used to analyze the hypothesis.
    - Basically it’s a justification of the test you used based on study design.
  + Describe whether or not you met the assumptions for the type of test you are using.
  + Include descriptive statistics calculated in your previous RP.
    - Note generally descriptives are listed like this:
    - The male group had a high score (*M =* 24.30, *SD* = 4.35), while the female group had a lower score (*M* = 15.34, *SD* = 2.27).
  + Include the figure(s) created in your previous RP.
    - Include a reference to them in the paragraph.
    - As shown in Figure 1, …
    - Figures will go on a separate page at the end of the results. Be sure to label each figure beneath the figure and give a short description. Example:
      * *Figure 1*. Comparison of average scores for males and females on love of homework scale.
  + Include the results of your hypothesis test in summary form (i.e. don’t want the steps).
    - The groups were significantly different, *t*(15) = 6.54, *p* = .03.
    - General reporting rules:
      * t-tests: *t*(df) = t-value, *p* = p value, *d* = effect size.
      * F-tests: *F*(df between, df within) = F value, *p* = p value,**η***2* = effect size.
      * X-test: χ2 = X-square value, *p* = p value, **φ** = effect size.
      * Correlation: *r* = correlation, *p* = p value.
      * Regression, *b* = slope value, *p* = p value, *R2* = effect size.
      * Remember that we talked about how in research reports you’ll see exact p values. The *p* < .05 for significant, *p >* .05 for fail to reject is from the textbook.
  + Include your effect size and an interpretation of what that scores indicates (size).

**Discussion:**

* The word Discussion is **bolded** in the center of the page.
* This section is an explanation of what happened in your study being as jargon free as possible.
* What happened in the study?
* Did it turn out like you expected?
* What could you have done differently?
* What are some implications for your study (how might you apply it)?
* What are some limitations of your study?
* This section will be a couple paragraphs, and approximately 300 words (minimum).

**The entire document:**

* This document should be one long paper (i.e. no page breaks – except that the figures go at the end with page breaks).
* Double spaced!
* Times New Roman, size 12.
* One inch margins.