**Special Project – Part 2**

**Data Analysis Report (20 points)**

Open the SPSS dataset provided from the Part 1 Survey results. Follow the instructions below to complete the analyses for descriptive statistics and inferential statistics. ***Submit the SPSS output* or it cannot be accepted for credit.**

**I. Descriptive Statistics**

Select any two variables (except *gender*) and present each one with a table or a graph (no need to format in APA style). Then write a few sentences to describe the class in terms of those variables.

*Using Gender as an example, the narrative could be: “There are 45 females and 11 males in this class, while 1 student’s gender is unknown. In other words, about 80% of the students in this class are female.”*

**Table/graph for variable 1:** (2 point)

**Table/graph for variable 2:** (2 point)

**Narrative description of the two variables:** (2 point)

**II. Inferential Statistics**

Select one nominal or ordinal variable (except *gender*) and one continuous variable to form a research question that can be answered by a one-way ANOVA.

*Note that the research question doesn’t have to be research-worthy or scientifically meaningful; it just needs to sound like a logical question to ask.*

**Research Question:** (2 point)

**Independent variable & dependent variable:** (2 point)

**Null Hypothesis (in words and in symbols):** (2 point)

**One-way ANOVA Results in APA Format:** (Means, SDs, F statistic, p value, and η2)(3 points)

**Hypothesis Testing Result: (Reject the null hypothesis or not?)** (2 point)

**Answer to the Research Question:** (3 point)