**SPSS Assignment**

Answer the questions below. Unlike in class write up the results for each question in APA style report format. Additionally, for each question include a one-sentence plain English report – you do not need to highlight this sentence just include it as the final sentence in your answer. Please answer the questions in a new document and not by typing your answers in to this document. Note questions 10 and 11 are on the second page.

Question 1

What is the mean and standard deviation for minutes a day spent exercising and for minutes per day heart rate was above 110 as reported by fitness tracker. Note for this question a plain English report is not needed.

Question 2

Report the most favorite and least favorite type of exercise. Note for this question a plain English report is not needed.

Question 3

Is there a correlation between liking being outside and time alone being important to the participant?

Question 4

Do gym members or non-gym members think spending time with others is more important?

Question 5

Do participants like to be outside?

Question 6

What is more important to participants, spending time along or spending time with others?

Question 7

Analyze the five item Satisfaction with Exercise Scale. Determine what composite measure can be created from these five items.

Question 8

Create an exercise composite based on your analysis in question 7. What is the mode and median for this composite? Note for this question a plain English report is not needed.

Question 9

Are gym members or non-gym members more likely to take a vitamin supplement?

Questions continue on next page.

Question 10

Does exercise satisfaction differ depending on which athletic brand you like the most?

Question 11

For at least one of the previous questions (Q 1-10) you should have a significant result that requires a post-hoc analysis to determine which means differed. For question 11 conduct this post-hoc analysis. In other words, somewhere in Q1-10 you should have done a one-way ANOVA that generated a significant *p*-value. Apply a post-hoc test to that result.

**Objectives**

Perform basic and advanced SPSS analyses

Interpret statistical output