**One-Factor Between-Subjects ANOVA**

A researcher uses Bem’s Sex Role Inventory to classify people into four groups: Feminine, Masculine, Androgynous, and Undifferentiated. She then scores their responses to a self-report questionnaire that measures their degree of jealousy when imagining partner sexual infidelity. Scores can range from 0 to 50, and high scores indicate more jealousy. Her predictions are that Masculine types will report more jealousy to infidelity than each of the other three groups. The data follow:

 Feminine Androgynous Masculine Undiff

 15 7 22 7

 19 6 14 11

 9 9 10 4

 12 6 12 13

 17 12 50 9

 22 9 15 3

 20 10 12 7

 16 14

 17 13

 10 19

 15 23

 22 12

 19 49

 15 17

 16

Do the data support the researcher’s hypotheses?

Enter the data into SPSS and conduct an ANOVA NHST (Steps 1 and 2) using an alpha level of .05.

Write up a brief summary of your results (you do not have to use APA style)

Work Step 1 of the ANOVA by hand, but only compute the CIs for the Androgynous and Masculine groups. You can also get the descriptive stats you need from SPSS. Work parts of Step 2 of the ANOVA by hand, but you only have to conduct one pairwise comparison: Androgynous vs. Masculine.