**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.