Homework assignment 04

Use black text (if possible) for everything you include in this document. Keep both your answers and the original questions. Save this document in PDF format and submit it on Canvas. Please follow the general requirements described in the grading rubric.

1. Show a documentation header. Include your name, the purpose of the program, and the conditions under which others may or may not use your results.

2. Import the file digital-citizenship-revised.csv into SPSS. Refer to the data dictionary if needed. Display the first ten rows of data below.

3. Compute and interpret the appropriate statistics for Country, internet\_sum, and age\_regrouped.

4. Display a crosstabulation for Country and age\_regrouped. Do you have enough data to estimate an interaction?

5. Create a indicator variables for Country and age\_regrouped. Use these in a general linear model with no interaction. Interpret the coefficients associated with this model.

6. Re-run the general linear model with Country and age\_grouped as fixed factors. Are the coefficients that you get the same as the previous question? Why or why not?

7. Assess the assumptions of a multiple factor analysis of variance with the appropriate graphs. Please be sure to interpret each graph.

8. Re-run the general linear model with an interaction term. Is this interaction statistically significant?

9. Draw a line plot examining the interaction of Country with age\_regrouped. Interpret this plot.