**Week Three Lab: Descriptive Statistics**

For this week’s lab, we will be analyzing a dataset on international drinking habits. You can find the dataset at <https://github.com/fivethirtyeight/data/blob/master/alcohol-consumption/drinks.csv>. There are four variables: wine\_servings, beer\_servings, spirit\_servings, and total\_litres\_pure\_alcohol. Please describe the data. The goal of this lab is to get you thinking anlaytically about data. Your answer should provide the reader with an accurate summary of the variables listed above. An answer that receives full credit will touch on the following points:

1. The type of variables

2. The centrality of each variable

3. The spread of each variable

4. A histogram visualization of each variable

There are numerous software implementations you could use to do this. If you are using Microsoft Excel, the following document will be helpful: <https://www.excel-easy.com/examples/histogram.html> For those of you that would prefer to use Python the following link will be helpful: <https://www.marsja.se/pandas-python-descriptive-statistics/>. For those of you that would prefer to use R, this is a good start:<https://www.r-bloggers.com/r-tutorial-series-summary-and-descriptive-statistics/>. If you would like to use a programming language and need additional help, please contact the instructor.