Project 01 - Rubric

This rubric will be used to grade your submission for the first project. Please pay attention to the rubric and make sure you have followed all of the instructions. Note that the relationship between points and letter grades may not follow the standard conventions (that is, 90% may not be an A-), and generally components will not receive partial credit.

Name: _____

Total Points: _____ **(out of 355pt)**
Letter Grade: _____

Dataset:

_____ **(10pt)** the dataset was correctly formatted and uploaded to GitHub
_____ **(10pt)** the dataset contains at least 5 variables and 75 observations
_____ **(10pt)** the dataset contains at least 2 numeric or time variables
_____ **(10pt)** the dataset contains at least 1 categorical variable
_____ **(10pt)** the dataset was collected by the student and not directly available
_____ **(10pt)** the variables in the dataset following the course's naming conventions

Report (general):

_____ **(10pt)** the report was correctly formatted
_____ **(10pt)** the report was compiled to html using RMarkdown
_____ **(05pt)** the student filled in all of the required YAML metadata
_____ **(05pt)** all of the instructions were removed from the report
_____ **(05pt)** the dataset is correctly read from GitHub into the report
_____ **(20pt)** the overview description gives a clearly written description of the dataset

Schema:

_____ **(10pt)** the variables described correctly match the dataset presented
_____ **(15pt)** all of the descriptions fully and accurately describe the variables
_____ **(15pt)** descriptions include the correct data types for each variable
_____ **(10pt)** descriptions include units where appropriate

Univariate Analysis:

_____ **(20pt)** all of the variables are included in the report
_____ **(20pt)** appropriate plots and tables are used in each part of the analysis
_____ **(10pt)** the number of plots / summaries is not excessive (only 1-2 per variable)
_____ **(20pt)** the descriptions of the variables are written in full, clear sentences
_____ **(20pt)** the descriptions match the plots / tables shown

Exploratory Analysis:

_____ **(25pt)** the exploratory analysis includes 2-3 clearly written paragraphs describing one or more relationships found in the data

_____ **(15pt)** 1-2 graphics are included to illustrate the relationship

_____ **(15pt)** the graphics are succesfully integrated into the analysis

_____ **(20pt)** the student explains any broader take-aways of the analysis or suggests next steps for investigating the relationship further with new data

Overall:

_____ **(30pt)** the report demonstrates that the student has collected a dataset that not only fulfills the literal requirements but also has attempted to collect an interesting dataset that is of actual interest to them