Using the data from the Data for Project complete an Exploratory Data Analysis of the data. Upload an Rmd file and a knit Word file from the Rmd file.

This project is a reflective analysis project rather than a paper. Analysis of this data will continue throughout the course and I recommend you do your analysis as you learn the techniques.

This project will involve.

1. Using visualization and manipulation to detect errors in the data and clean them.
2. Making graphs of every variable by itself and talking about variation and some graphs of variables together looking for covariation, which may or may not happen depending on your data. **If your data contains more than 15 variables, you must pick which 15 you are considering in this project and only use them for graphs.** There need to be at least 4 graphs of more than one variable and they need to contain a graph of at least two categorical variables, at least two quantitative variables, and at least one categorical and one quantitative variable.
3. Writing an Rmd document that knits in sections.
   * Data description-describing the data, its source with citation, and the variables
   * Data cleaning and manipulation- describing the process by which you checked for clean data and cleaned errors
   * Variation-giving graphs and statistics about the individual variables and describing the results in sentences
   * Covariation- giving graphs and statistics if possible about the graphs of multiple variables and describing the results in sentences
   * Reflection- giving a description of the process of doing that analysis. What was simple and what was challenging.  Give examples of graphs that didn't work out and describe why.  What would you like to learn how to do that you did not know yet.  What surprised you about your results and what results did you expect beforehand. (300 to 500 words for reflection)