DATA 151: Project Milestone #6

<mark>Milestone #6:</mark> Relationships between variables
- Identify a numeric response variable in your dataset and a numeric explanatory variable.
- Create a scatter plot and describe the relationship between two numeric variables
- Fit a line to your data
- Perform a simple linear regression analysis.
- **Bonus points:** Include a categorical variable to color your plot and look for subgroupings.

Please submit using Rmarkdown

Item	Points
Identify a numeric response variable in your dataset and a numeric explanatory variable.	10 points
Create a scatter plot and describe the relationship between two numeric variables	10 points
Fit a line to your data	10 points
Perform a simple linear regression analysis ● Report the slope and intercept ● Interpret the slope in the context of the data	20 points
Bonus points: Include a categorical variable to color your plot and look for subgroupings.	5 points