

# Stat 519 Project#1 Preliminary Report

*Your full Name here + your Github address (e.g. Stephen Lee +  
<https://github.com/sauchilee/Stat519>)*

*January 18, 2019*

**Describe and Input your data set (in .csv format) here. The data set of your project should have well defined experimental units (observations) with at least 10 quantitative (i.e., numerical) variables, plus at least 4 categorical variables. One of the categorical variable should have at least 3 levels/groups with at least 30 observations for each level/group.**

**State clearly your research objectives and questions clearly**

**Perform EDA (Exploratory Data Analysis) by computing summary statistics and presenting visualizations in:**

- Enhanced scatterplots, Convex hull, Chi-plot, Bivariate boxplot, Bivariate density estimator, Bubble plot, Scatterplot matrix, 3-D scatterplot, Star plot, Chernoff faces, and
- R Graphics