1.3 Assignment: R Refresher

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R Markdown

The first assignment is a review of R.

The purpose of this assignment is to provide a refresher of R and python. The assignment is divided into three sections.

1. Import, Plot, Summarize, and Save Data Using the Bureau of Labor Statistics data, choose a dataset that interest you. Then generate summary statistics for 2 variables, plot some of the features (e.g., histograms, box plots, density plots, etc.) of several variables, and save the data locally as CSV files.

2. Explore Some Bivariate Relations Use the same dataset within the same website to explore some bivariate relations (e.g. bivariate plot, correlation, table cross table etc.)

3. Organize a Data Report

Generate a summary report. Make sure to include: summary for every variable, structure and type of data elements, discuss four results of your data.

```r
summary(cars)
```

```
##      speed           dist
##  Min.   : 4.0   Min.   :  2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean   :15.4   Mean   : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.