Assignment 06

This homework will help you to practice and self assess your knowledge and ability around the course concepts. Use the answer key to assess your work.

Exploratory Data Analysis Recap

Exploratory Data Analysis (EDA) is roughly the following creative process:

1. Generate questions about your data.
2. Search for answers by visualizing & transforming your data.
3. Use what you learn to refine your questions and/or generate new questions.

For more on EDA see http://r4ds.had.co.nz/exploratory-data-analysis.html#introduction-3

You will be sharing the exploration you do in this assignment during next class!

Directions

Use EDA to explore one of the following data sets. Your process will generate many questions. Use **dplyr** and **ggplot2** to transform and visualize the data in ways that provide insights to the questions.

```
nycflights13::flights
ggplot2::diamonds
exampledata::traffic_violations
exampledata::carnegie
```

Next Class

For next class be prepared to:

1. Share the data set & initial questions for your EDA.
2. Share and interpret initial tables & visualizations. Share code as well if you want to. You can share the tables and plots by using a screen capture them or run the code interactively. Note that there are better ways to save plots and outputs that we'll learn in a few sessions.
3. Share additional questions that the EDA generated.
4. Share and interpret additional tables and visuals that the EDA generated.