

Discussion Section #7

Due: To be submitted to CatCourses by the end of your Discussion Section.

Instructions:

This week you will use R to read in two data sets and then **generate and explain** two plots for each data set.

You will receive some basic guidance in R from your TAs and a piece of code that you will only need to slightly modify. You are welcome to work alone or in small groups but everyone is responsible for turning in their own code/assignment.

This week, you are responsible for submitting:

- Your modified R script.
- A written report (PDF) which shows the plots you have created in R and answers the questions below.

Special Advice:

- All plots submitted should have a title and labeled axes.
- When making your plots you might want to consider the three types of plots we have seen in R: histogram, boxplot and plot (scatter plotting).
- As with Homework, simply providing the correct answer, without justification, is not considered complete. For example, simply providing plots with no explanation will not receive full credit.

Assignment:

1. Advertising Data Set:

- Load the Advertising data set in R as a DataFrame.
- Use the example code (or create your own) to generate a scatter plots of: TV vs sales, Newspaper vs sales
- Explain what you are seeing in each figure.

2. Choose any one of the instructor provided data sets

- Load the data set in R as a DataFrame.
- Use the example code (or create your own) to generate **at least 2 plots**. (You may want to consider histograms, boxplots or the scatter plots we did above.)
- Submit your two favorite plots along with an explanation for what you are seeing.