Assignment 4

Due 02/22/2019 by beginning of class

Instructions:
You may work with others on these problems but you must turn in your own work. You may type your solutions in any way you like (LaTeX, Markdown, Office, etc...) as long as you present your work clearly and in an organized way.

Unless otherwise specified, you must hand in a printed copy of your work at the beginning of class.

Problems:

1 Review Chapter 2 of *Linear Models R*, then complete the following exercises from the book:

1.1 Chapter 2, Exercise 1

1.2 Chapter 2, Exercise 2

1.3 Chapter 2, Exercise 4

1.4 Chapter 2, Exercise 5

1.5 Chapter 2, Exercise 7

Each part of problem Problem 1 (including sub-problems of each sub-problem) is evaluated based on the following criteria:

- You follow all directions in the problem instructions.

- For each question, you provide a brief (1 - 3 sentence) explanation of how you obtained your results. You should describe what functions you use in your analysis, and where appropriate, include code chunks showing your work.

- Whenever plotting:

  - You include a copy of a short R script corresponding to your plot.
  - Your plot is clearly labeled in all axes, legends, and the plot includes a clear title.
  - The plot must be sensible and easy to read.