Homework 2

DS502/MA543

So that everyone in the class has the maximum access to background material Homework 1 will focus on problems from the book. Your answers will be graded both on your **demonstrated understanding** of the concepts **from the book** and **from the class,** as well as the **clarity of your explanations**.

Please bring the written portion of your answers in **hard copy** to class on Thursday, February 26. Please make sure that both team members names appear on the submission and that every submission is **stand-alone (i.e., does make the grader read or run your code)**! In addition, for any problem on which you write code, plus submit your code **by email** to the TA Jiani Yin (jianiyin@wpi.edu) **before the start of class** on Thursday, February 26. You will **not be graded your programming style**, but having access to your code will allow us to more easily give **partial credit**. You are also welcome to use any of the R scripts in the book and/or those I provide in class to help you with the homework assignment. To keep things organized, please send your R files to Jiani using the following naming convention:

<Last name person 1>_<First name person 1>_<Last name person 2>_<First name person 2>_HW1_<question number>.R

For example, if Jiani and Randy were a team, the file containing the code for problem 4 would be named:

Yin_Jiani_Paffenroth_Randy_HW1_4.R

Hint for all of the coding exercises: Be sure to look at the R scripts I demo in class. They should help a lot.

Homework questions

1. (5 points) Section 4.7, page 168, question 1
2. (10 points) Section 4.7, page 169-170, question 5
3. (5 points) Section 4.7, page 170, question 8
4. (15 points) Section 4.7, page171, question 10
5. (15 points) Section 4.7, page 171-172, question 11
6. (10 points) Section 5.4, page 197, question 1
7. (10 points) Section 5.4, page 197, question 2
8. (15 points) Section 5.4, page 198, question 5
9. (15 points) Section 5.4, page 199, question 6