Homework 3

DS502/MA543

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, March 19. 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, March 19. 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>_HW3_<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_HW3_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.

Note, since this homework only covers one chapter, and overlaps with the midterm, this homework is shorter than the rest and only worth 50 points.

Homework questions

1. (10 points) Section 6.8, page 259, question 1
2. (10 points) Section 6.8, page 261, question 6
3. (15 points) Section 6.8, page 262-263, question 8
4. (15 points) Section 6.8, page263, question 9