

# 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 Tuesday, October 24. Please make sure that all team member 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 TAs **before the start of class** on **Tuesday, Oct 24**. You will **not be graded your programming style**, but having access to your code will allow us to more easily give **partial credit**.

**Hint for all of the coding exercises:** Be sure to look at the R scripts in the book. 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.

## 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, page 263, question 9