MSDS 7333: Quantifying the World

Case Study 4: Change Point Detection and Nonparametric Regression

Instructions

1. Choose your group
2. For this assignment, you’ll really need to use R
3. For this case study, choose either:
   1. Choose one of Problems 7, 10, 11, or 17 or
   2. Look at a different data set that has at least 2 features and either a regression or classification supervisor. If you go this route, you must include in your write-up a reproduction of Figure 2.11 that you created on your own (just to make sure you’ve worked through the chapter).
4. Write a report on your analysis, including an abstract, introduction/background, methods, results, conclusions/discussions, and references (see case study rubric)