

Stats 202: Data Mining and Analysis

Fall 2018

It will be useful to have run through Labs 7.8!

Problem 1

Chapter 7, Exercise 2 (p. 298).

Problem 2

Chapter 7, Exercise 3 (p. 299).

Problem 3

Chapter 7, Exercise 7 (p. 299). Instead of using wage as a response, use the binary high-earner response (wage greater than 250) we used to illustrate logistic regression with GAMs.

Problem 4

Chapter 7, Exercise 9 (p. 299). In part (d), the book instructs you to fit a regression or cubic spline with 4 degrees of freedom. Use 7 degrees of freedom instead (3 knots).

Problem 5

Chapter 7, Exercise 11 (p. 300).

Problem 6

Chapter 7, Exercise 12 (p. 301). Use $p = 50$ and repeat several times (hint: write a function) to get a sense of how many iterations are needed.