Problem Set 7
Due Thurs. 3/31/22

Lectures 13, 14

At this point we begin to look at nonlinear regression. We will cover ways of writing functions as sums of functions in a standard basis (for example Taylor series expansions of functions use monomials x^n as basis functions). We will consider expansions of functions as combinations of splines −these are functions which are piecewise polynomals joined at fixed or variable points.

We will begin to cover some programming assignments next week

Reading: 5.1, 5.2, 5.4, 5.5, 5.8

Problems:

1. Hastie, 5.4

2. Hastie, 5.7