

36-617: Applied Linear Models
Fall 2021
HW11 – Ungraded, undue.

- The relevant reading is
 - James et al. *Introduction to Statistical Learning with R*. Chapter 7.
 - Sheather, appendix on nonparametric regressionBoth are available as pdfs on Canvas (or from Springer Link).
- All of the problems below are from, or based on, the problem set at the end of James et al. Ch 7, pp. 321 ff.

Exercises

Theory-ish Problems

1. Please do James et al., #1, pp. 321–322. *Note: Math is fun!*
2. Please do James et al., #11, pp. 325–326. *Note: you have seen me do a variation of part (a) many times in class, for demonstrations! Some examples are in the lecture notes on causal inference, for example.*

Data-analysis-ish Problems

3. Please do James et al., #8, p. 324. *Note: you will need to install the package ISLR2 to have access to the data.*
4. Please do James et al., #9, p. 324. *Note: you will need to install the package ISLR2 to have access to the data.*
5. Please do James et al., # 10, pp. 324–325. *Note: you will need to install the package ISLR2 to have access to the data.*