Linear regression models

Homework #4

Due Thursday, Jan 29, 2026

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Homework

Preliminary Information

This homework set gives you practice working wtih simple single-variable statistical regression models, in which you try to predict the value of a *dependent variable* based on a single *independent* variable, or predictor.

Homework Exercises:

Self-study: Work these exercises, but do not turn them in.

- Exercises 4E1–4E5

Turn in: Work these exercises and turn them in.

- Exercises 4M1–4M7

Optional: The following exercises are optional. You can turn them in for extra credit.

- Exercise 4H3

Notes on Homework:

You can download a PDF copy of the exercises from chapter 4 of *Statistical Rethinking* from `https://ees5891.jgilligan.org/file`