Bayesian analysis by sampling
Homework #3

Due Thursday, Jan 22, 2026

Contents

Homework

Preliminary Information

This homework set introduces you to the use of sampling to apply Bayes's theorem and estimate Bayesian posterior probability distributions.

Homework Exercises:

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

- Exercises 3E1–3E5

Turn in: Work these exercises and turn them in.

- Exercises 3M1–3M3, and 3M5

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

- Exercises 3H1–3H3

Notes on Homework:

You can download a PDF copy of the exercises from chapters 2 and 3 of *Statistical Rethinking* from `https://ees5891.jgilligan.org`