

# Math 342, Fall 2024 — Homework 3

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Due September 27 at 5:00 pm

**Instructions.** This problem set contains problems from Week 3 of class. The problem numbers refer to our textbook, *Probability with Applications and R*, by Amy Wagaman and Robert Dobrow, 2nd edition.

**Problem 1.** Do the following textbook problems and submit on Gradescope: 2.4, 2.6, 2.8, 2.12, 2.14, 2.16

**Problem 2.** Do the simulation problems in the [Homework 3 RMarkdown file](#). For your submission, you should knit the file to pdf and merge it with the pdf that contains your solutions to the textbook problems above.

**Problem 3.** If you liked the problems above or want more practice, our textbook has more great problems. The odd-numbered ones have solutions in the back. Here are some that I recommend (as optional, not to be turned in): 2.7, 2.11, 2.17. Feel free to try others, including all the problems in the main sections, which include full explanations.