

Math 342, Spring 2024 — Homework 4

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Due February 23 at 5:00 pm

Instructions. This problem set contains problems from Week 4 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: 3.14, 3.15, 3.16, 3.22, 3.24 (part a means find a general formula for $P(X = k)$), 3.25, 3.32, 4.3, 4.4, 4.8.

Problem 2. 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): 3.19, 3.21, 3.23, 3.27, 3.31, 4.2, 4.7. Feel free to try others, including all the problems in the main sections, which include full explanations.