Due: Friday, March 21st (11:59 p.m. PT.)

References are to the course textbook, except as noted.

Reading

For Wednesday, March 19th, Chapter 8.

Please also read the preface and first chapter of *Weapons of Math Destruction* by Cathy O'Neil.

The chapter will be available from the Canvas Website.

Assignment exercises to hand in

Questions require well-written solutions. You should provide full details of how you solved the problems. The `.pdf` files for each question will be submitted in Crowdmark (1 file per question). Any spreadsheets can be submitted to Canvas.

1. Exercise 6.13, but replace the "Number" row of the table with digits from your student id, dropping the rightmost 0. With the numbers in the book, the problem is feasible, but with your digits it may not be.

If that is the problem is *infeasible*, you should compute the (minimum) number of ten-pound trays that Jessica needs to purchase to make the problem feasible, and explain your solution, including the number of trays purchased. On the other hand, if the problem is *feasible*, you should analyze whether Jessica can save money by purchasing additional 10 pound trays, assuming that the trays cost her $9 while serving an extra pound of lasagna costs her $4.

This problem, and the next one, are among the supplementary exercises.

2. Exercise 7.11. Please write your rule-of-thumb as instructions that can be used by someone with no technical background.

3. Exercises 8.1 and 8.2.

Some other exercises you should try

Additional exercises from Chapters 7 and 8 of the textbook.