

Due: Friday, April 9th (11:59 p.m. PT.)

Reminders

The final project presentations are on Tuesday, April 13th (tutorial), Wednesday April 14th and Friday, April 16th. These are also the final tutorial and class meetings. Please let me know if you have a preference about when to present.

The final exam will take place Monday, April 26th from 8:30 to 11:30 a.m. on-line.

Reading

For Wednesday, March 30th, Chapter 1 of the course notes.

For Wednesday, April 7th, Chapter 2 of the course notes.

For Friday, April 9th, Chapter 3 of the course notes.

You are also encouraged to read Chapter 4.

Assignment exercises to hand in

Questions must be solved in a spreadsheet, and must be accompanied by 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), and any spreadsheets to Canvas.

1. Take 9 points (x_i, y_i) where the x_i 's are the nine digits of your student id in order, and the y_i 's are the first nine digits of π . So, $y_1 = 3, y_2 = 1$, etc. Using the method of Example 8.3, construct the line of best fit $y = ax + b$ (in the least-squares sense).
2. Exercise 9.12.
3. Course notes exercise 1.4.
4. Course notes exercise 1.7.
5. By now you should have read the first chapter of *Weapons of Math Destruction* by Cathy O'Neil. Write a brief (one page, at most 600 words) review of the chapter. Describe what you find to be the main points and their significance. Briefly indicate your reaction to the chapter.

Some other exercises you should try

Additional exercises from Chapter 9 of the textbook and from the course notes.