

Notes for Friday, Jan 24

- Today we'll cover the material from the statistics section of the notes from Day 1. We stopped at page 13, so we'll finish that up.
- We'll discuss how to get Python set up (or where to get instructions), and also how to get Matlab set up (we'll use the free software Octave online).
- Make a few computations using Octave-online to help answer the homework questions from the stats section. We'll do one or two of them together.
- We'll finish up the linear regression section.

Homework

- Homework 0 (not turned in): Be sure you can run a simple script file in Matlab/Octave, and get Python set up on your home computer (I like Miniconda for this- see the class website for a video link on how to set this up).
- Homework 1: Answer questions on pg 16, #3, 4, 6, 8. Write these up to turn in on Wednesday (we'll be able to upload a PDF scan to Canvas).
- Homework 2: Use ChatGPT to obtain a Matlab script file that gives an example of linear regression. Be sure you also have a plot. Run the script file in Octave. Upload a screenshot of your work (if you can't get both the script and figure in one, you can turn in the script as a separate text file).
- Homework 3: Use ChatGPT to obtain an example of using Python code to solve an example of linear regression (with a plot). Turn in a screenshot of the result.

NOTE: The point of the last two problems is for you to start exploring Matlab and Python code, and to use it to solve a problem. Read over the code and see if you understand what the computer is doing.