Machine Learning.

Linear regression with ChatGPT.

Exercise. ChatGPT and Linear Regression.

Sila. August 25th, 2023.

In this exercise: Do not worry too much about understanding all of the details in the code that ChatGPT gives you. We will work more detailed with linear regression later today.

Exercise 1.

Ask ChatGPT how to make (say) 20 points with a X and Y coordinate, in Python, that you can plot using Python.

Exercise 1.2.

Now use points like this:

```
X = 2 * np.random.rand(100, 1)
y = 4 + 3 * X + np.random.randn(100, 1)
```

And ask ChatGPT how to plot this in Python.

Exercise 1.3.

Now, ask ChatGPT for Python code that can make a line through these points.

Code that creates a plot of the points, including a plot of the line, that was calculated using linear regression.