





## **Optional Lab: Gradient Descent for Linear Regression**



## Goals

In this lab, you will:

• automate the process of optimizing w and b using gradient descent.

## **Tools**

In this lab, we will make use of:

- · NumPy, a popular library for scientific computing
- Matplotlib, a popular library for plotting data
- plotting routines in the lab\_utils.py file in the local directory

```
In [ ]: import math, copy
import numpy as np
import matplotlib.pyplot as plt
```