

Linear Regression with Python

[Launch Lab](#)

Instructions

Now we will build a linear model and implement gradient descent algorithm. We will accomplish it in by completing each task in the project:

- Task 1: Introduction
- Task 2: Dataset
- Task 3: Initialize Parameters
- Task 4: Forward Pass
- Task 5: Compute Loss
- Task 6: Backward Pass
- Task 7: Update Parameters
- Task 8: Training Loop
- Task 9: Predictions

While you are watching me work on each step, you will get a virtual workspace with all the required software pre-installed. This will allow you to follow along the instructions to complete the above mentioned tasks. After all, we learn best with active, hands-on learning

Ready to get started? Click on the **Launch Lab** button to launch the project.