

Assignment 7: Gradient Descent for Linear Regression

Objective: Implement gradient descent for linear regression and analyze learning rates.

Instructions:

1. Implement gradient descent to minimize the Mean Squared Error (MSE) for the following dataset: [Link](#)



QR Code to access the dataset

2. Test gradient descent with three different learning rates: 0.01, 0.1, and 0.5.
3. Plot the cost function versus the number of iterations for each learning rate.
4. Evaluate the model on the train set and report the accuracy for each learning rate.