Linear Regression (Synthetic Data)

Train Model

Enter X value:

12   Predict Y

Predicted value for x = 12 is y = 25.52

Lab Assignment 1: Train Model & Plot Predicted vs Actual
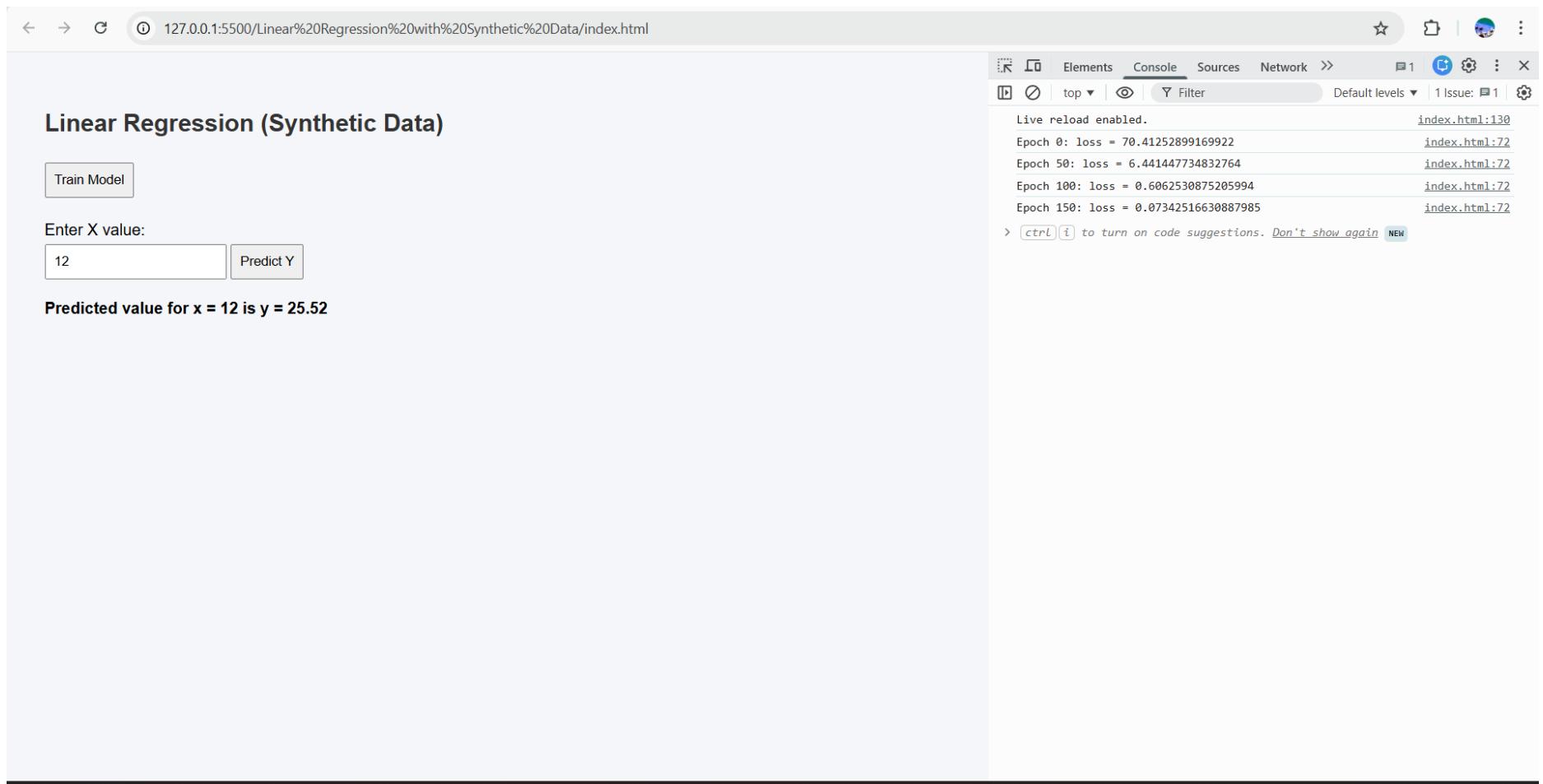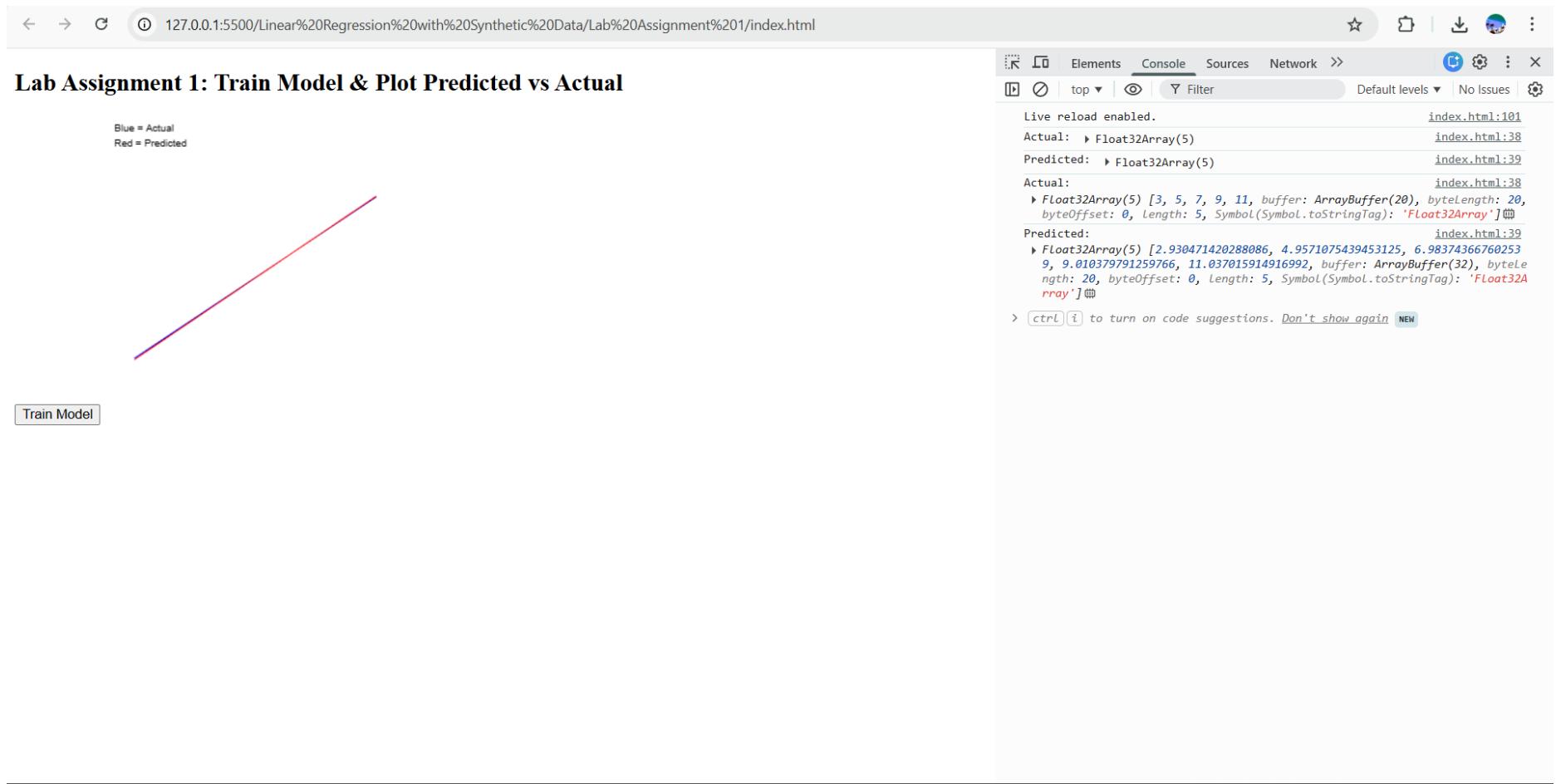
Blue = Actual
Red = Predicted

Train Model

Live reload enabled.   index.html:101
Actual: ▶ Float32Array(5)   index.html:38
Predicted: ▶ Float32Array(5)   index.html:39
Actual: index.html:38
  ▶ Float32Array(5) [3, 5, 7, 9, 11, buffer: ArrayBuffer(20), byteLength: 20,
    byteOffset: 0, length: 5, Symbol(Symbol.toStringTag): 'Float32Array']⊞
Predicted: index.html:39
  ▶ Float32Array(5) [2.930471420288086, 4.9571075439453125, 6.9837436676025
    9, 9.010379791259766, 11.037015914916992, buffer: ArrayBuffer(32), byteLe
    ngth: 20, byteOffset: 0, length: 5, Symbol(Symbol.toStringTag): 'Float32A
    rray']⊞

> ctrl i to turn on code suggestions. Don't show again NEW

Lab Assignment 2: Learning Rate Experiment

Run Experiment

Lab Assignment 3: Predict Unseen Inputs

Train & Predict

Console was cleared   index.html:31
Unseen Input Prediction Analysis   index.html:32
Input: 6   index.html:45
Expected: 13   index.html:46
Predicted: 13.07   index.html:47
Error: 0.07   index.html:48
------------------------------   index.html:49
Input: 7   index.html:45
Expected: 15   index.html:46
Predicted: 15.11   index.html:47
Error: 0.11   index.html:48
------------------------------   index.html:49
Input: 10   index.html:45
Expected: 21   index.html:46
Predicted: 21.20   index.html:47
Error: 0.20   index.html:48
------------------------------   index.html:49
Input: 12   index.html:45
Expected: 25   index.html:46
Predicted: 25.26   index.html:47
Error: 0.26   index.html:48
------------------------------   index.html:49