Report Of WoC 4.0

ML BOOTCAMP

Objective:

To implement the following algorithms on the given datasets-
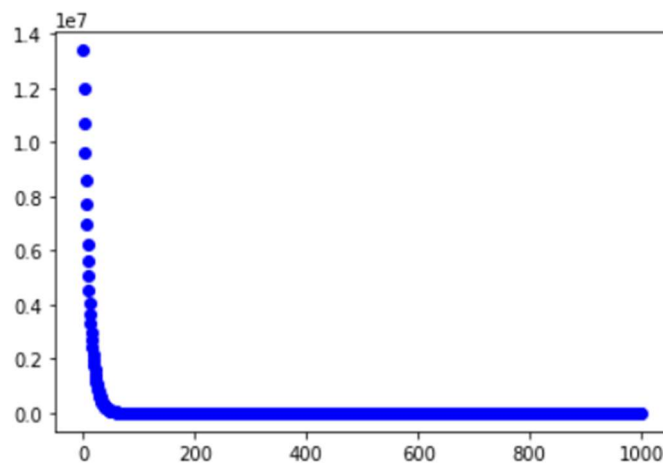
-Linear Regression

-Polynomial Regression

-logistic regression

-KNN

-K means clustering

-Neural Networks

Linear regression:

Link:

The linear regression algorithm is used to train the bias and weights on Linear_train data. And tested on Linear_test data. And got cost of 1907.098
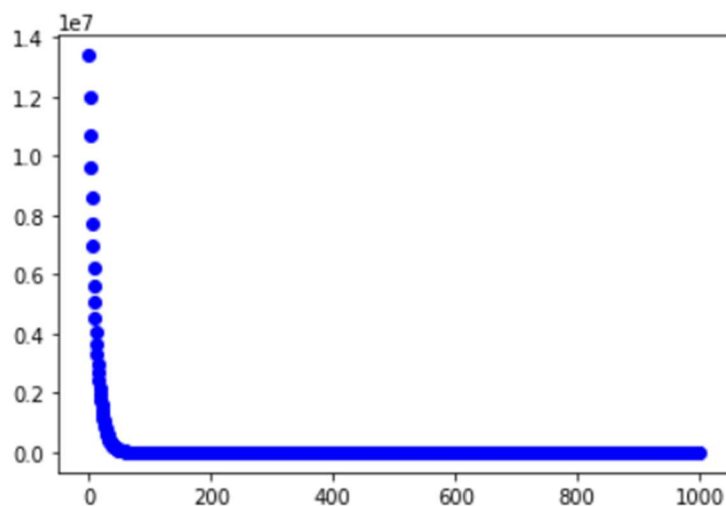
Graph for gradient descent:

Polynomial Regression:

Link:

The Polynomial regression algorithm is used to train the bias and weights on Polynomial_train data. And tested on Polynomial_test data. And got cost of 65.43

Graph for gradient descent:

Logistic Regression:

Link:

The logistic regression algorithm is used to train the bias and weights on EMNIST_train data. And tested on EMNIST_test data. And got accuracy of 99.8 on testing.

KNN:

Link:

The KNN algorithm is used by which we can classify the test data on basis of Euclidian distance from the other data points in train data.