Iran Izadyariaghmirani

Practical Machine Learning Exercise 1: Warmup

In this exercise, we utilized the ElasticNet method for regression of the data. Subsequently, we performed two classification methods, namely Logistic Regression and K-Nearest Neighbor (KNN), on the data and obtained the respective accuracy values.

I reviewed the codes, datasets, and results from "*Soudabe"* and "*Supersonic98"* GitHub repositories. The links for these repositories are mentioned at the end of this document.

The output of the methods are as follows:

ElasticNet RMSE for TRAIN: 0.81

ElasticNet RMSE for TEST: 0.77

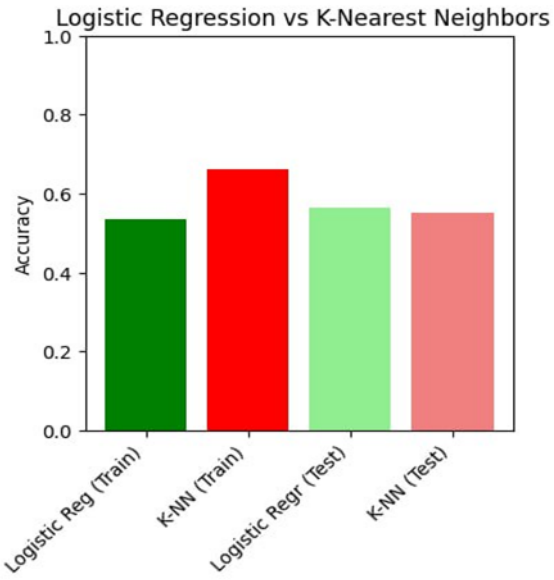
Logistic Regression Accuracy for TRAIN: 0.60

Logistic Regression Accuracy for TEST: 0.60

K-Nearest Neighbors Accuracy for TRAIN: 0.67

K-Nearest Neighbors Accuracy for TEST: 0.61

The following figures depict the results of classification methods:



The links for the Github repositories:

1-https://github.com/COSC5557/warmup-supersonic98

2-https://github.com/COSC5557/warmup-soudabe