Day 8 Questions

Naïve Bayes Classifier

1. Apply Naïve Bayes Classifier for Iris dataset
2. Apply Naïve Bayes Classifier for the banking dataset

Data Preprocessing

3)Implement an ML model for the bikeshare.csv dataset Regression Problem

(https://www.kaggle.com/c/bike-sharing-demand/data)

Evaluate the model by splitting the data using train_test_split function.

Compute Mean Squared Error, also plot the actual values Vs predictions graph

Apply scaling and observe the performance

Apply normalization and observe the performance

Apply MinMaxScaler and observe the performance

4) Implement an ML model for the Immunotherapy.csv dataset. Evaluate the model by splitting the data using train_test_split function

Compute accuracy score and confusion matrix

Apply scaling and observe the performance

Apply normalization and observe the performance

Apply MinMaxScaler and observe the performance

(You may not always get better performance ☺)

Algorithm Comparison using box plot

5) generate the box plot showing the comparison of cross validation accuracies of iris dataset (for the following algorithms)

1. KNN
2. Logistic regression
3. Naive Bayes
4. DecisionTree
5. Random Forest

9) generate the box plot showing the comparison of cross validated RMSE values for the boston dataset. Apply any 5 regressors including Ridge and Lasso