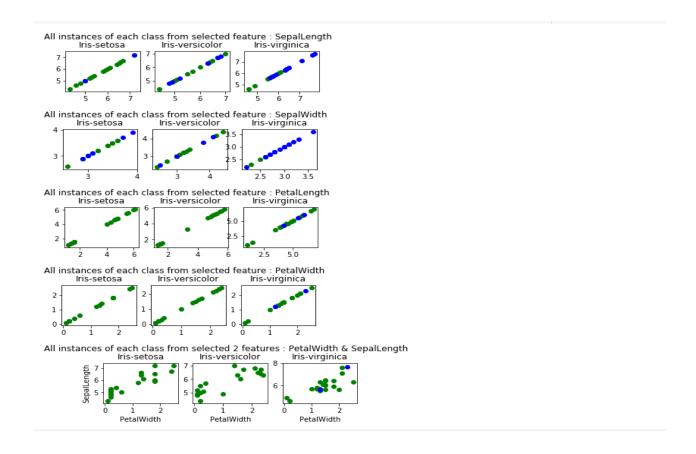
ASSIGNMENT-5

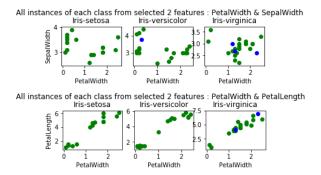
Name : Arsh Pratap Roll Number : 2018-IMT-021 Course Name : Machine Learning

Course Code: ITIT - 4107

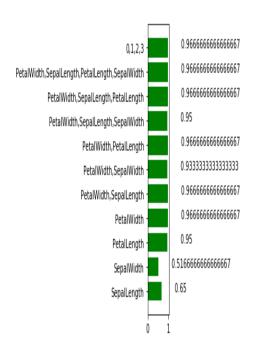
Given iris dataset (https://archive.ics.uci.edu/ml/datasets/iris) with 3 classes and 4 features such as sepals/petals, Length, width etc. for each flower in the dataset. There are 50 instances per class in the dataset. Use Bayes Classifier as your base classifier model. Use 60% samples for training and 40% samples for testing.

- 1. Perform feature selection on this dataset using forward search.
- 2. As you select features, until 2 features, plot your right and incorrect classification instances for all classes.





3. For all the set of features selected, plot the accuracies to show the best subset of selected features



Inference: Code can be found here -

https://github.com/arshPratap/ML-Assignment/blob/main/Assignment5.ipvnb