**PROGRAMMING ASSIGNMENT 1**

**README**

**SHRUTHI SREE THIRUNAVUKKARASU**

**1001933428**

**STEPS TO EXECUTE PYTHON CODE**

1. Open the Jupyter source files present in NAÏVE\_BAYES\_SCRATCH folder in Jupyter notebook.
2. Provide the directory wherein the dataset is present.
3. Provide the directory wherein the dataset after adding the header should to be placed.
4. Run all the cells.

**STEPS TO EXECUTE NAÏVE BAYES IN WEKA**

1. Open the Weka Explorer
2. Under Preprocess tab choose the dataset file and choose the required filters and click apply.
   1. For Hayes-Roth dataset choose NumerictoNominal filter (Filter -> Unsupervised -> Attribute -> NumerictoNominal).
   2. For Car Evaluation dataset choose StringtoNominal filter (Filter -> Unsupervised -> Attribute -> StringtoNominal) and customize it to 4th and 5th column by giving the attributeRange as 4,5.
   3. For Breast Cancer dataset no filter is needed.
3. Under Classify tab choose Naïve Bayes classifier and select Cross validation with 10 folds under test options.
4. Click Start for the results.