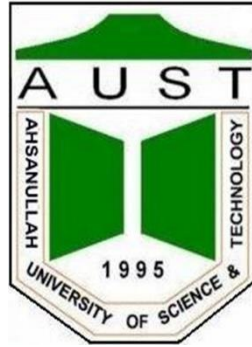# Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

Program: Bachelor of Science in Computer Science and Engineering

Course No: CSE 4142

Course Title: Data Warehousing and Mining Lab

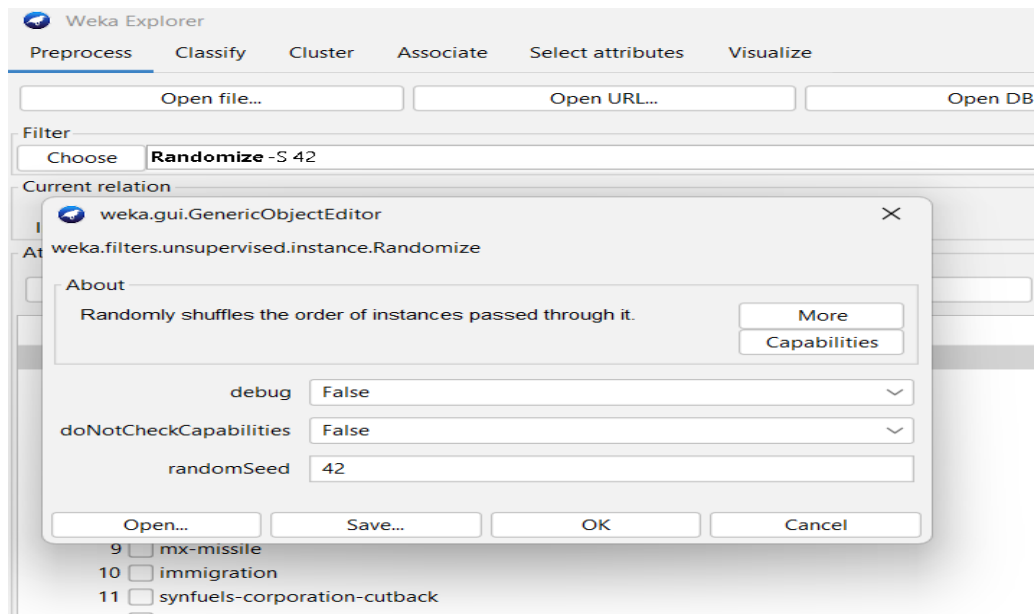Assignment No: 03

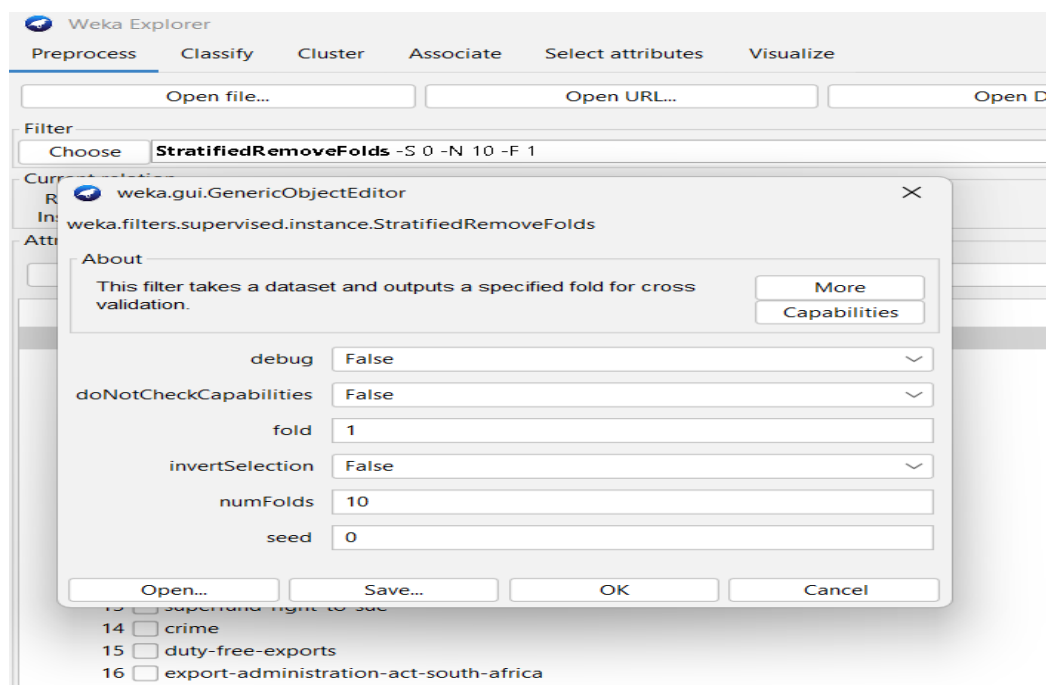Date of Submission: 02.03.2025

Submitted by:
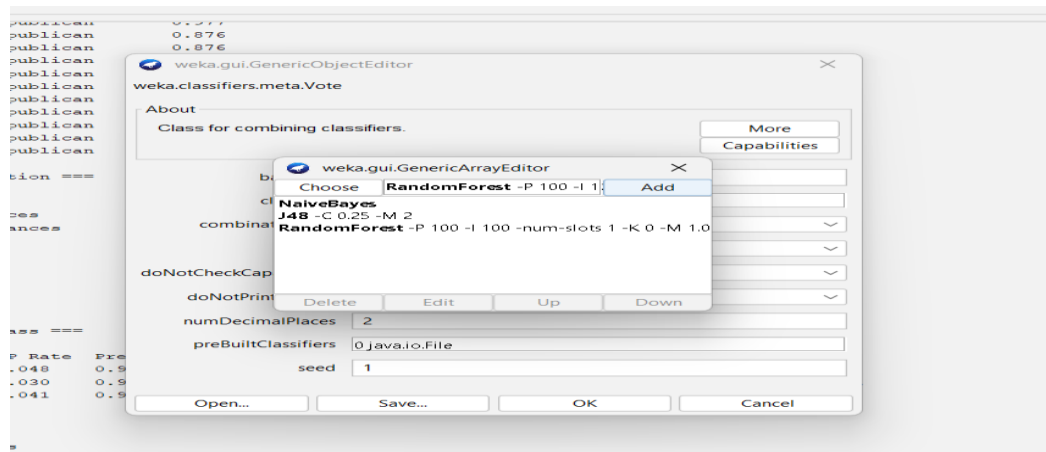Name: Afia Fahmida
Student ID: 20210104032
Group: 02

(i) I took "Vote" dataset from Weka repository and loaded it in Weka

(ii) Then I have extracted 1 Non-Stratified Fold from 10-Fold Cross Validation by applying Randomize filter from Instance of unsupervised option. Once I have finished shuffling the dataset, I have used RandomPercentage filter from the same location and removed 90% of the dataset to extract 1 Fold.
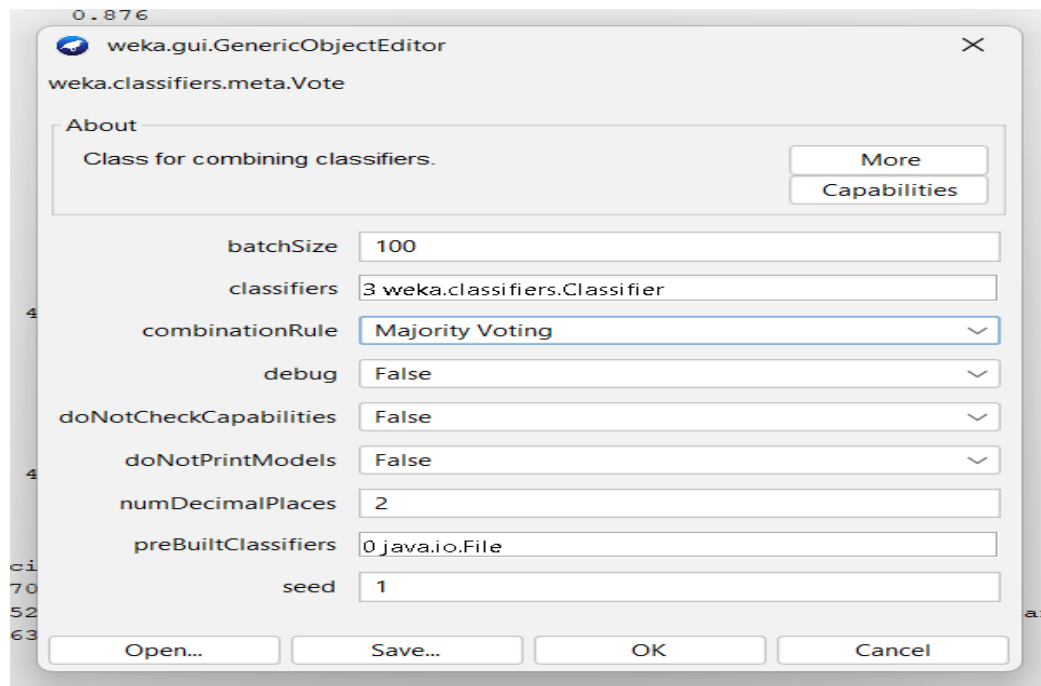

(iii) Next I have extracted 1 Stratified Fold from 10-Fold Cross Validation by applying StratifiedremoveFolds filter from Instance of Supervised option.I have set fold to 1 and numfolds to 10 as required in the question. It is shown in the screenshot below:

(iv)   I have shifted to classify tab and then chose Vote to use multiple classifier to evaluate the non-stratified and stratified dataset as test sets considering "Vote.arff" dataset as the training set. I have then chose three classifiers- NaiveBayes, J48 and RandomForest as shown in the screenshot below:

I have also set Rule of Combination as Majority Voting:

(v)   I have evaluated both the test sets

(vi)   I have shown the outputs from both the classifications in the model file.