Ahsanullah University of Science and Technology



Department of Computer Science and Engineering

Program: Bachelor of Science in Computer Science and Engineering

Name: MD Rafiu Alam Rafi

Student ID: 20200204051

Section: A

Semester: 4.1

Course: Datamining Lab

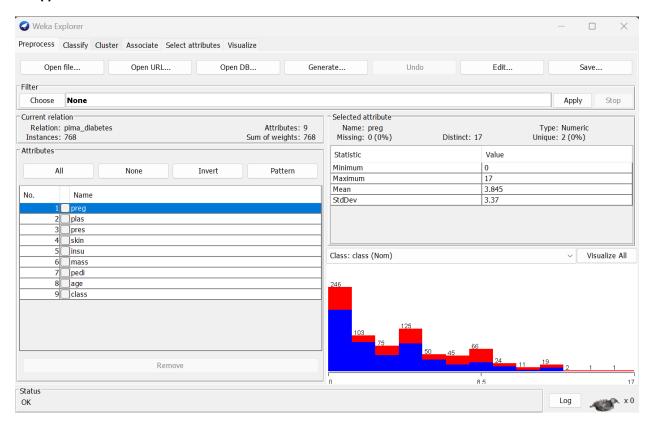
Assignment:4

Questions:

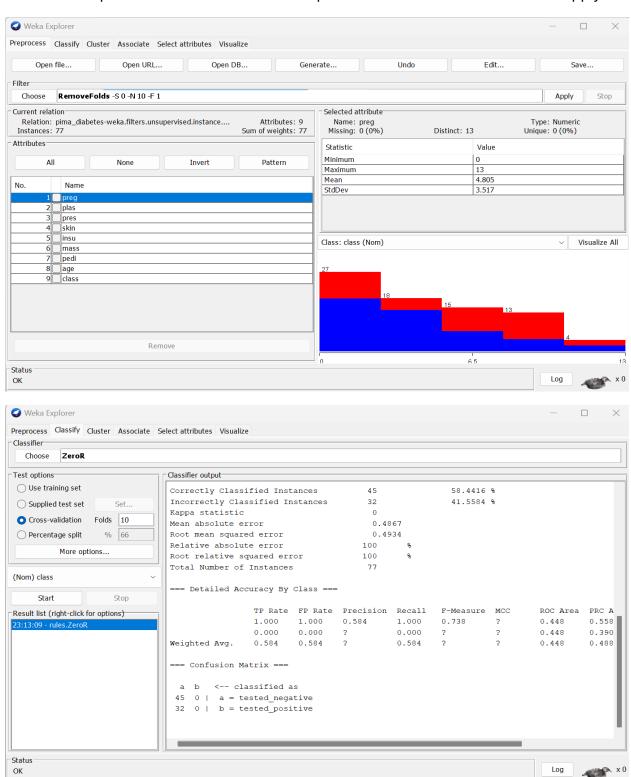
- (i) Take any dataset from Weka Repository or Online (Must be in ARFF format),
- (ii) Extract 1 Non-Stratified Fold from 10-Fold Cross Validation.
- (iii) Extract 1 Stratified Fold from 10-Fold Cross Validation.
- (iv) Using Ensemble technique, create any 3 models/classifiers and follow Voting approach to classify test instances. You must select "Majority Voting" option as the Rule of Combination.
- (v) At first, use the Non-Stratified Fold as the Test Data. After that, use the Stratified Fold as the Test Data.
- (vi) Show the outputs for both classifications from (v).

Answer:

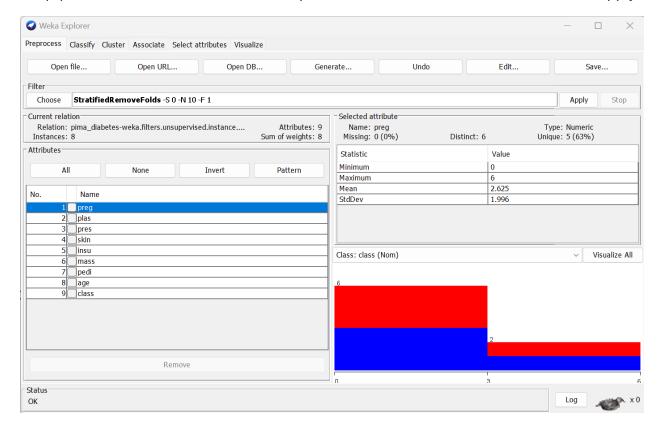
(i) Dataset



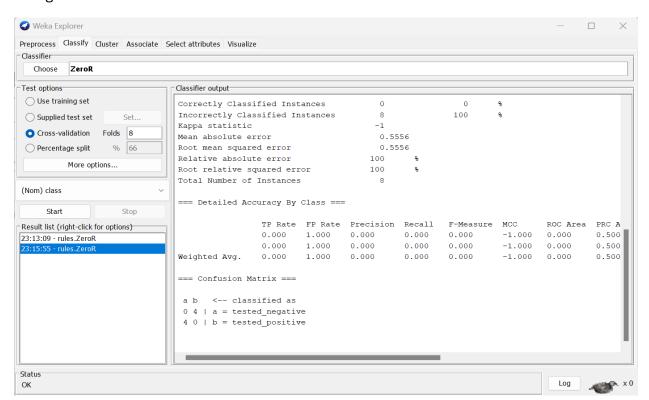
(ii) for extracting : Preprocess > choose > filter > unsupervised > instance > removefolds >apply



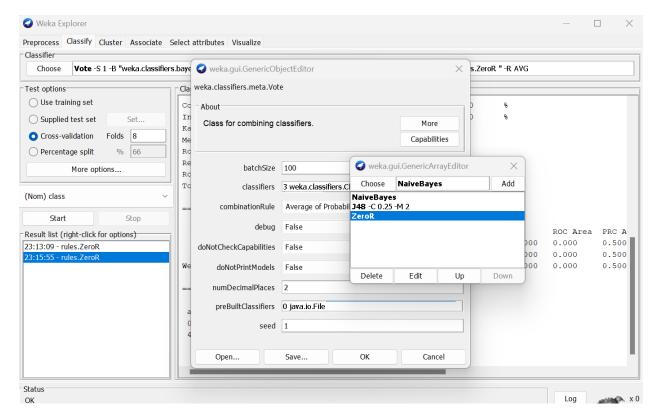
(iii) for stratified:choose>filter>supervised>instances>stratifiedremovefolds>apply



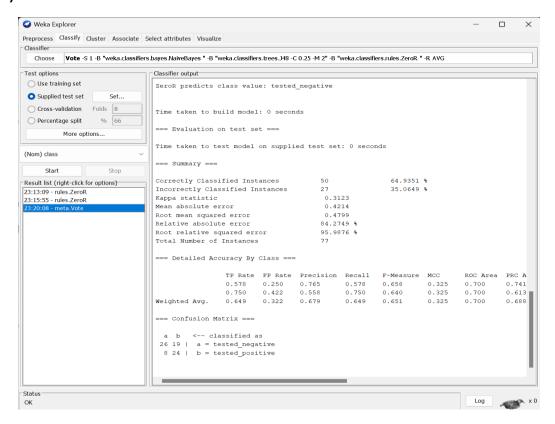
Using 8 folds validation



(iv) for voting or majority method: Choose>meta>vote>classifier>add.



(v)+(vi) then 1 st with non stratified data result:



for stratified data:

