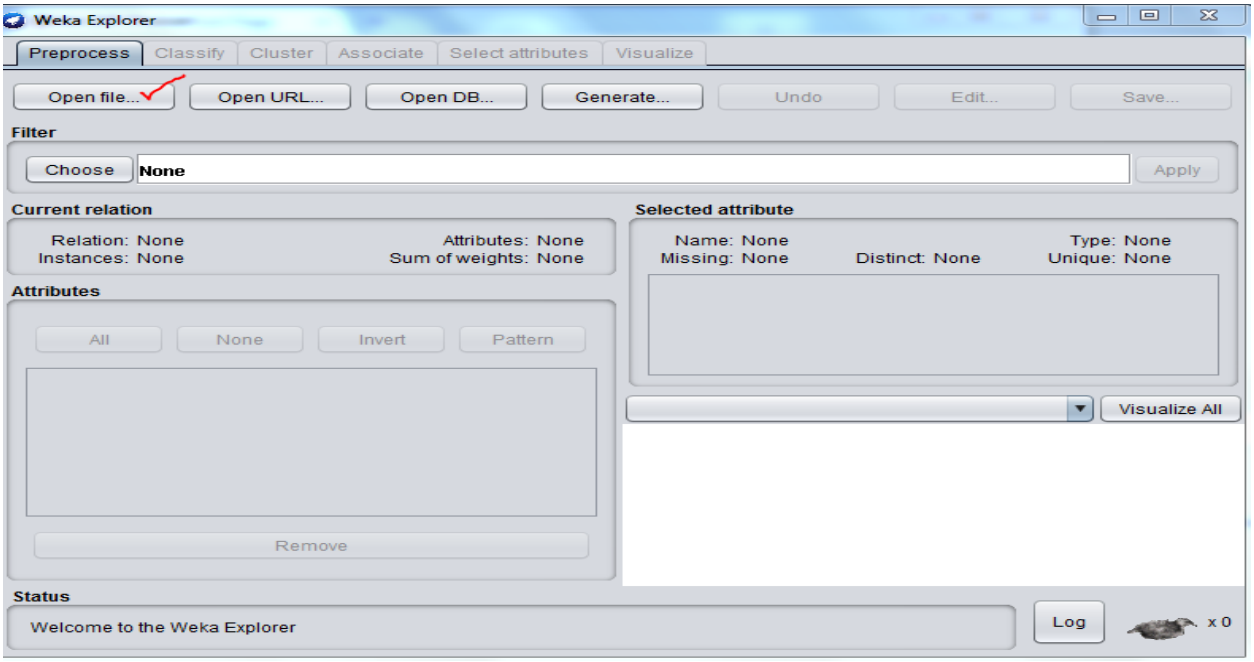
Manual to use Weka

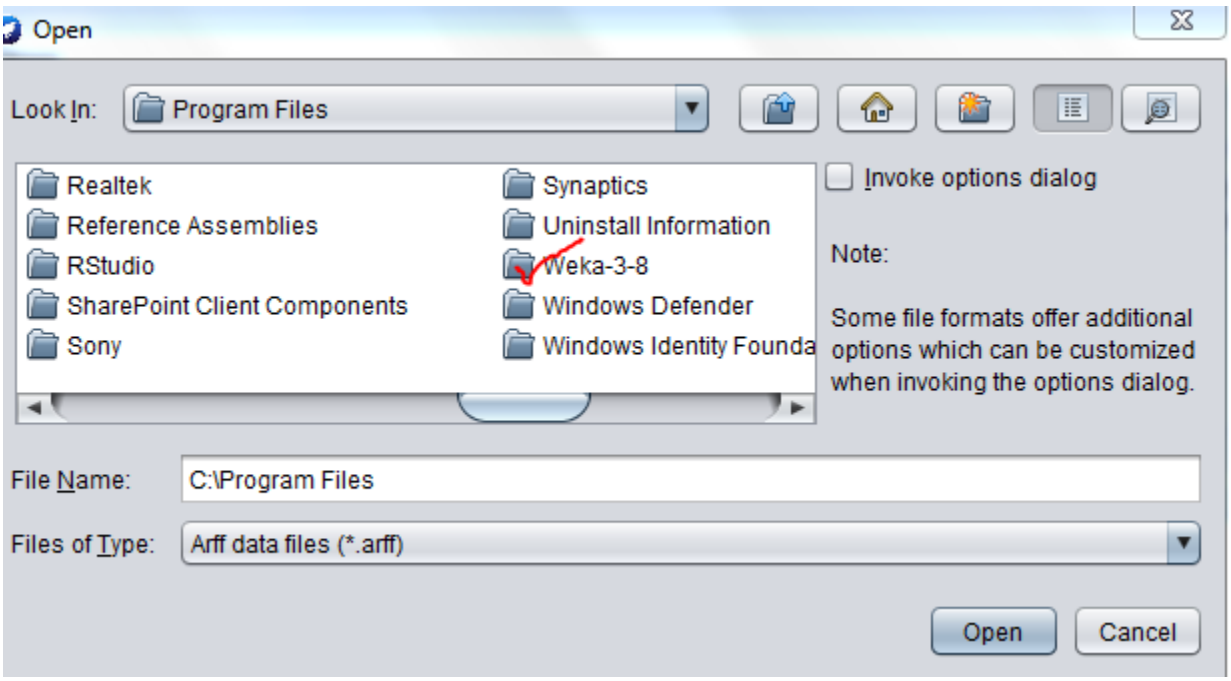
Main Graphical User Interface of Weka.

Step 1: Select **Explorer** Option.

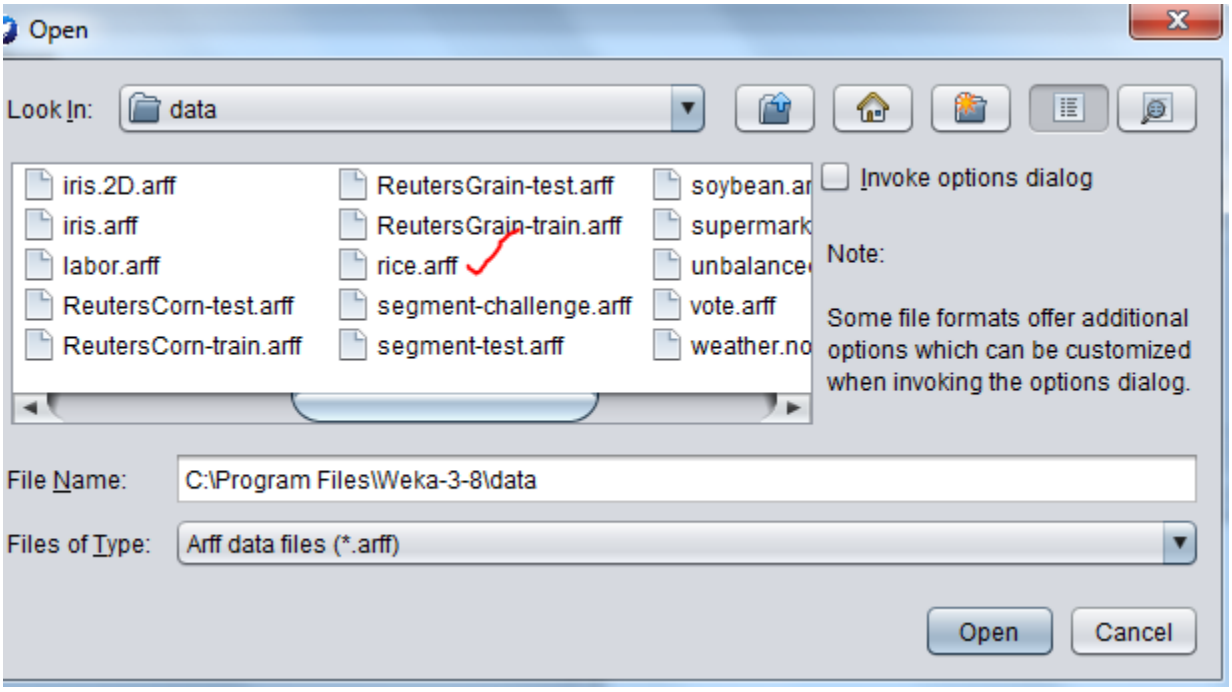
Step 2: Click on **Open File** Option.



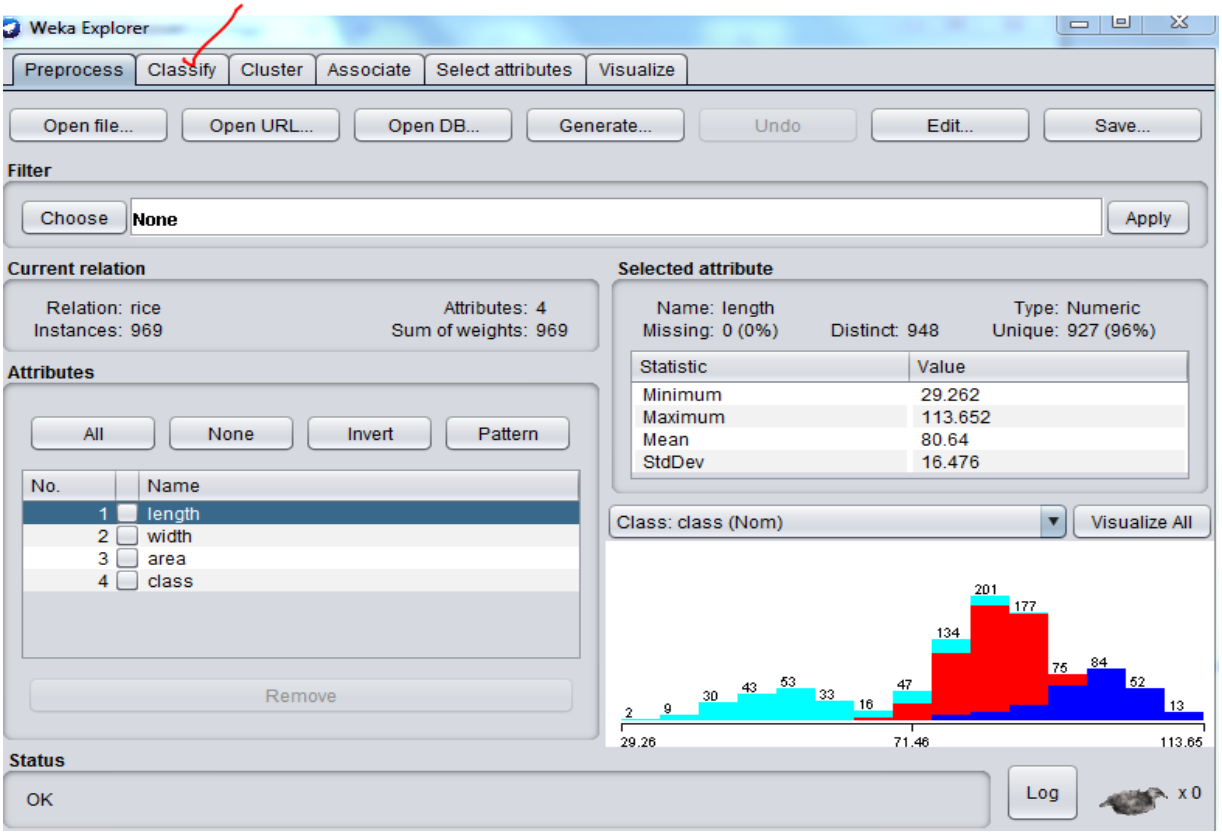
Step 3: Open your drive where your **Weka** software is placed.



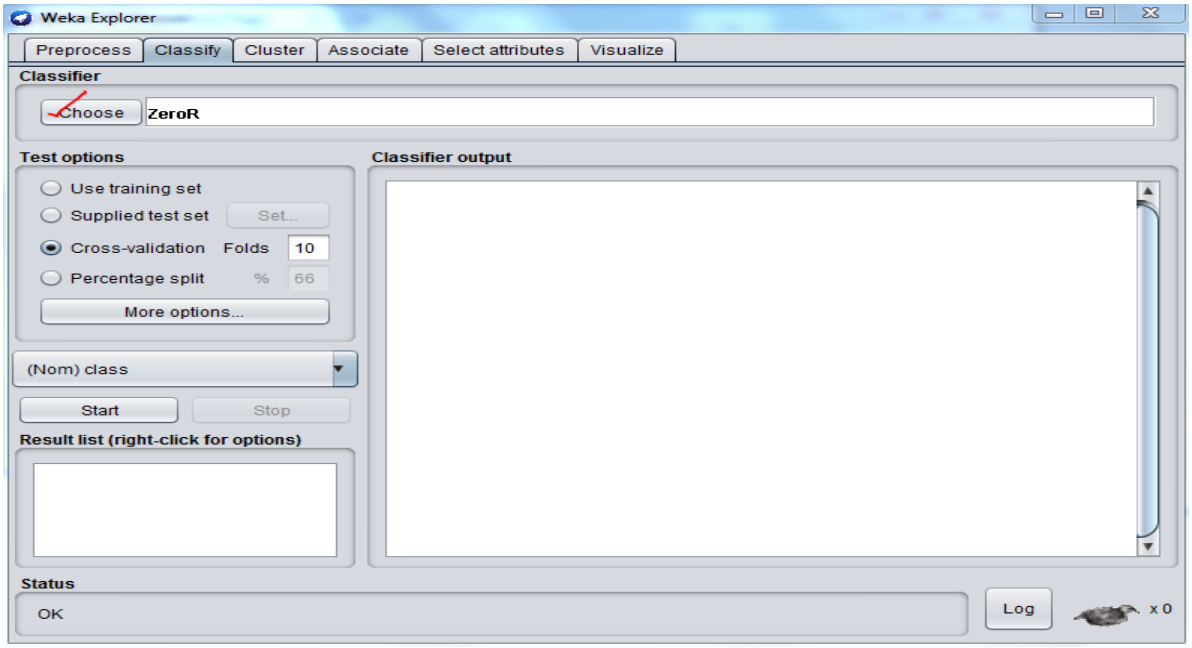
Step 4: After opening weka then open **data** folder where your dataset file had been copied. Open your dataset file e.g. **rice.arff**.



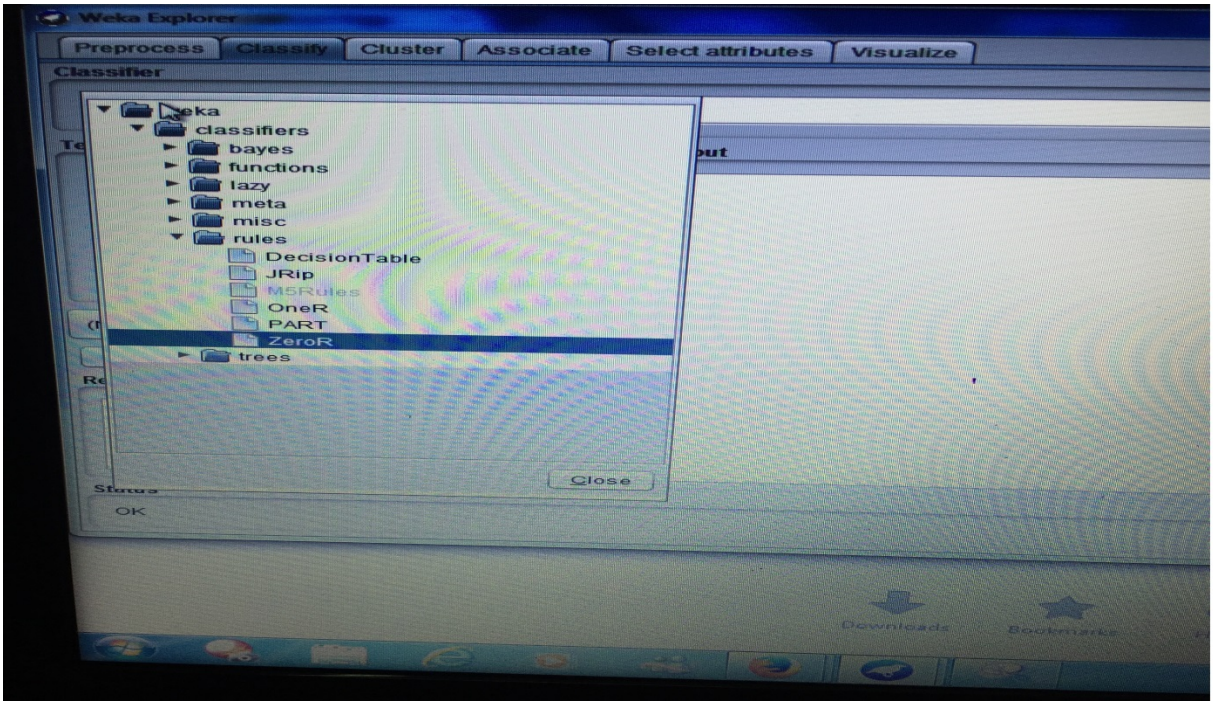
Step 5: Click on **Classify** option.



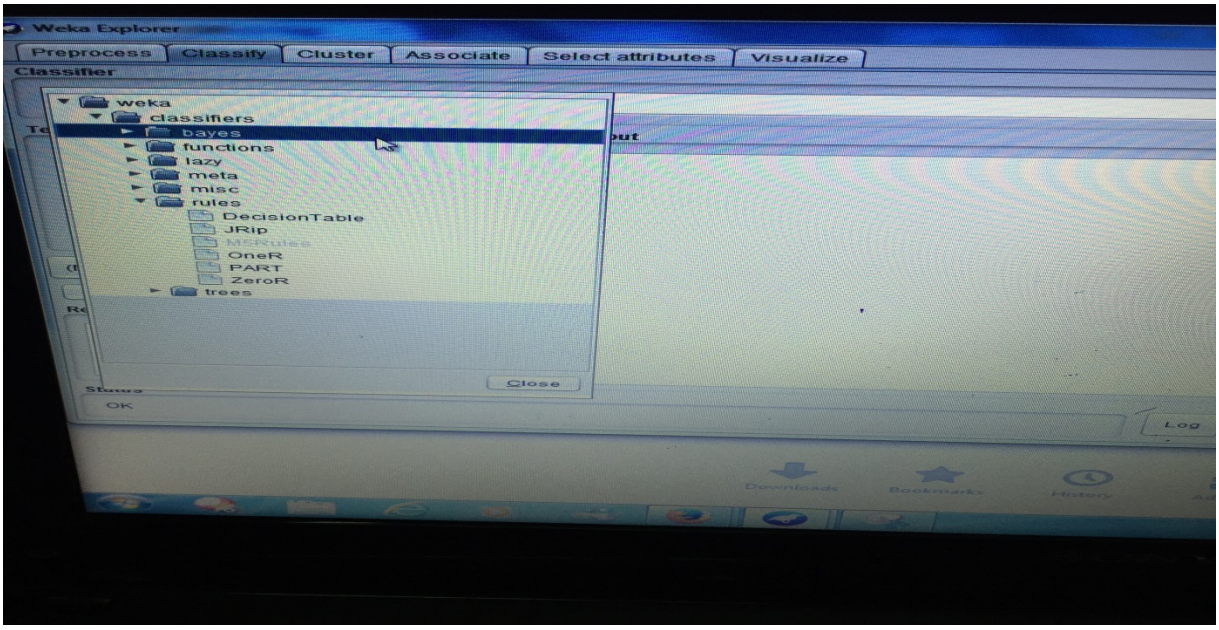
Step 6: Click on **CHOOSE** option.



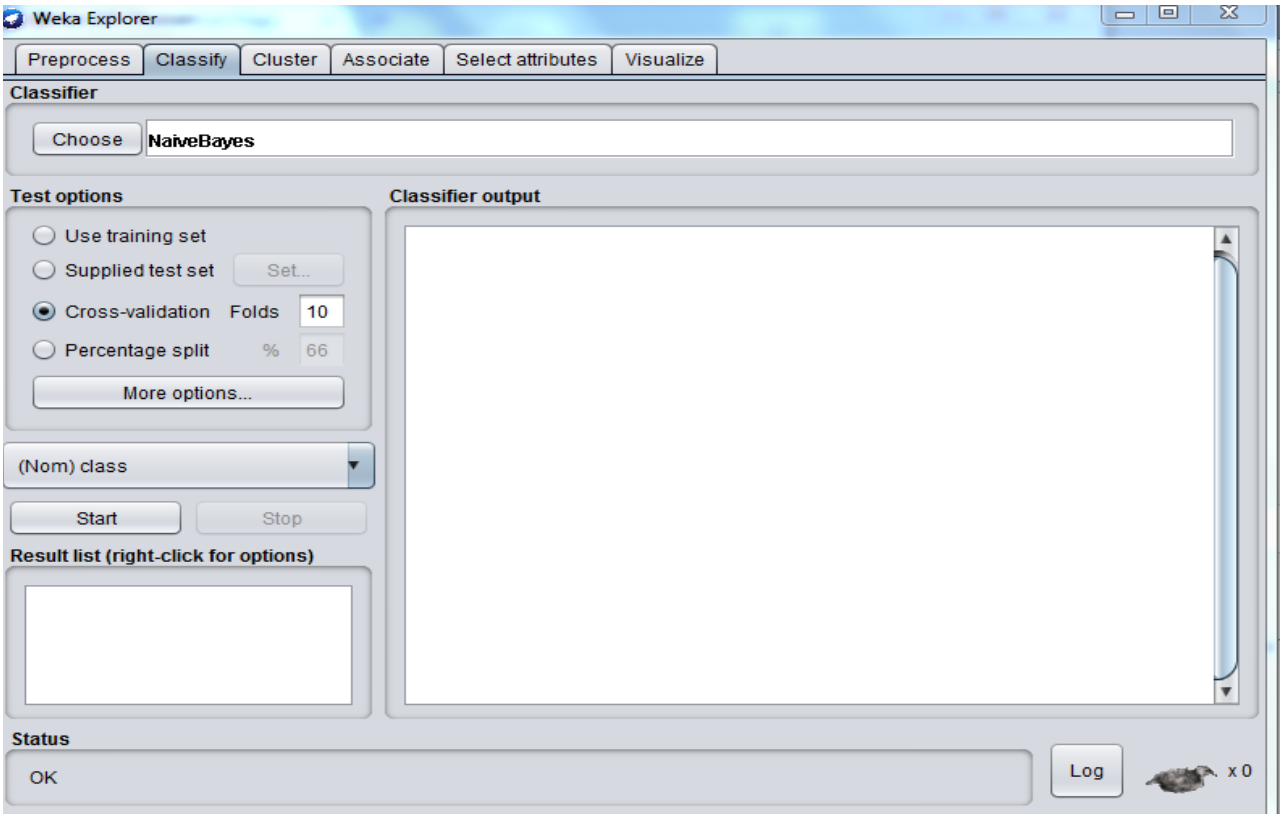
Step 7: We get the list of classifier folder.



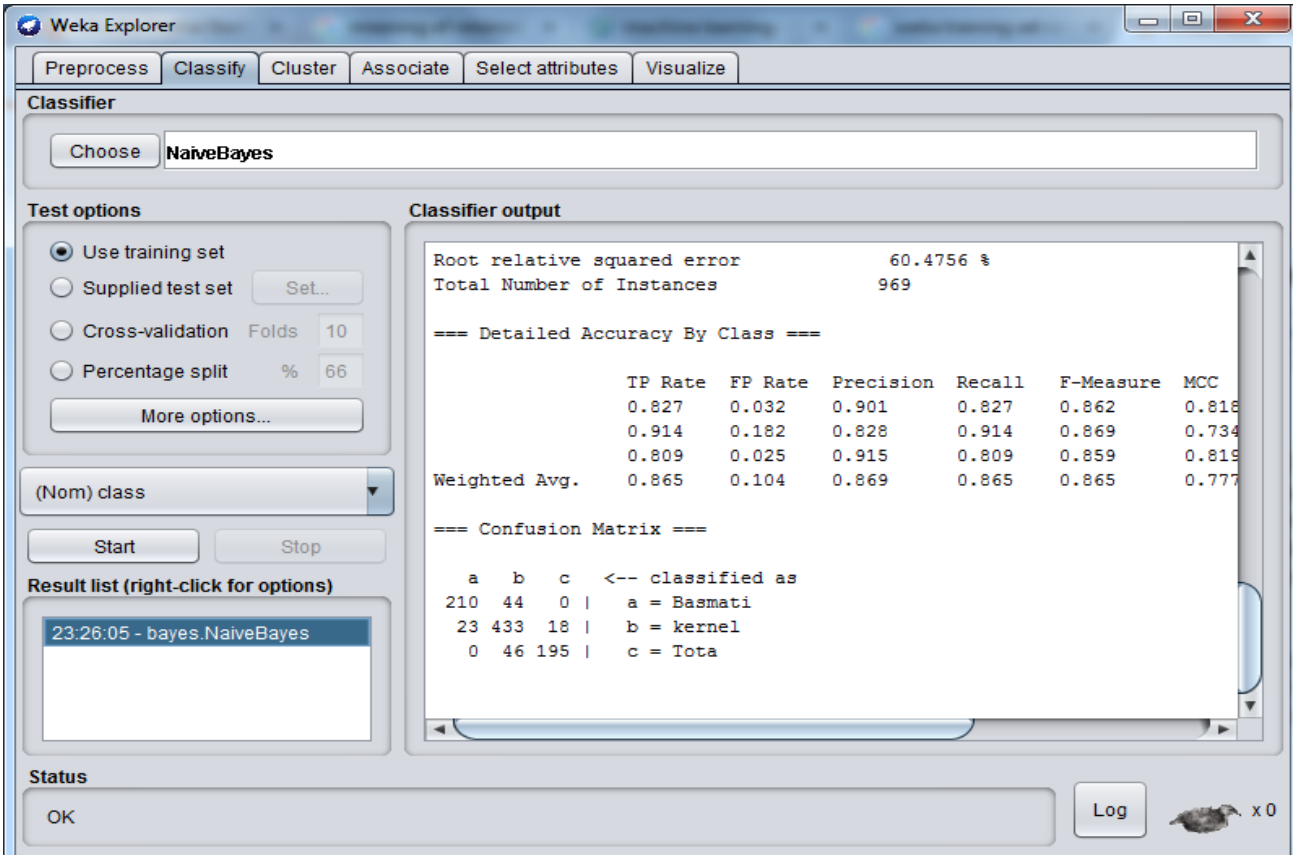
Step 8: We had selected bayes



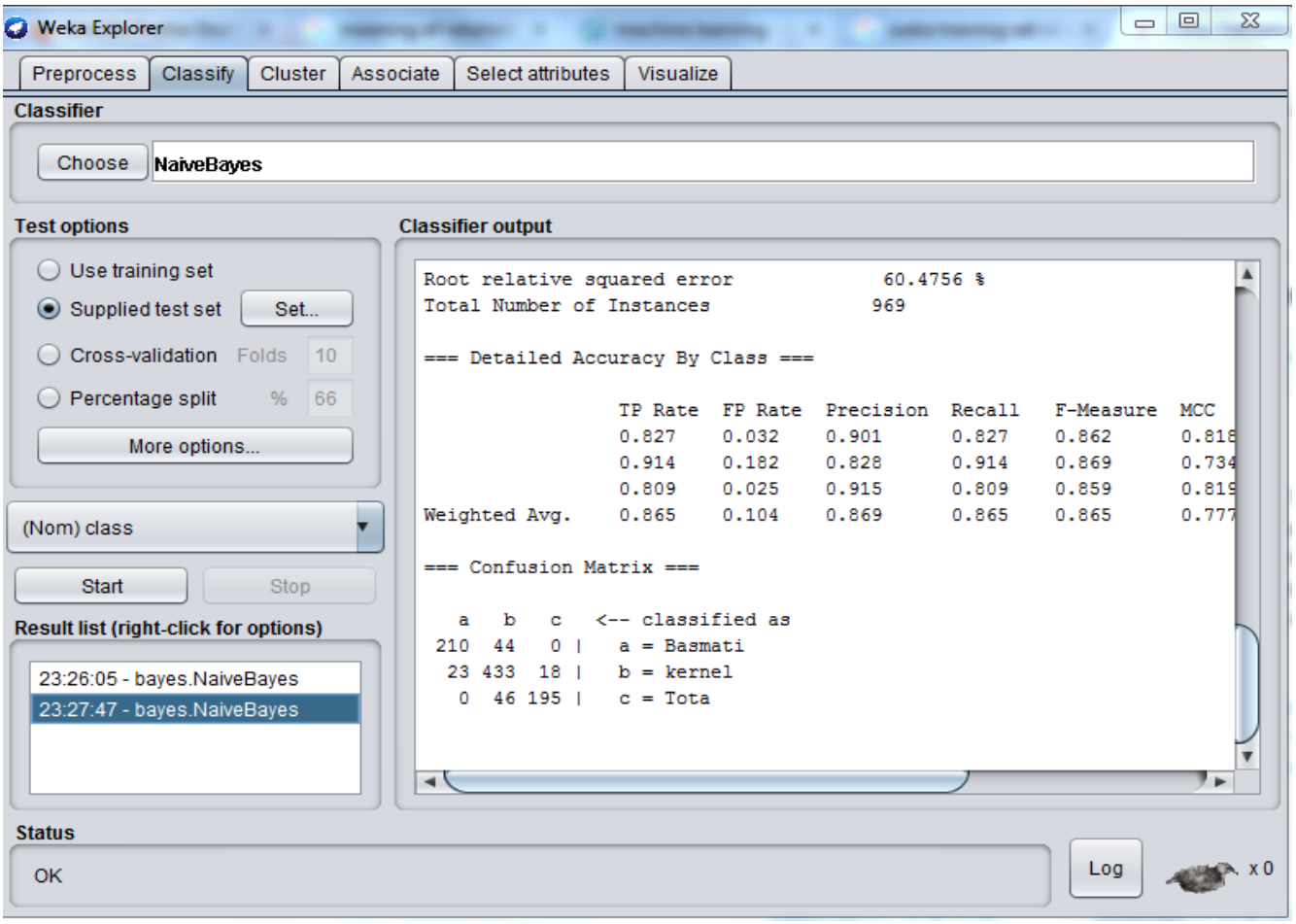
Step 9: After selecting any classifier folders. We get options of different types of that classifier which we had selected previously. Example we had selected bayes previously .Now we had selected naïve bayes as its type.



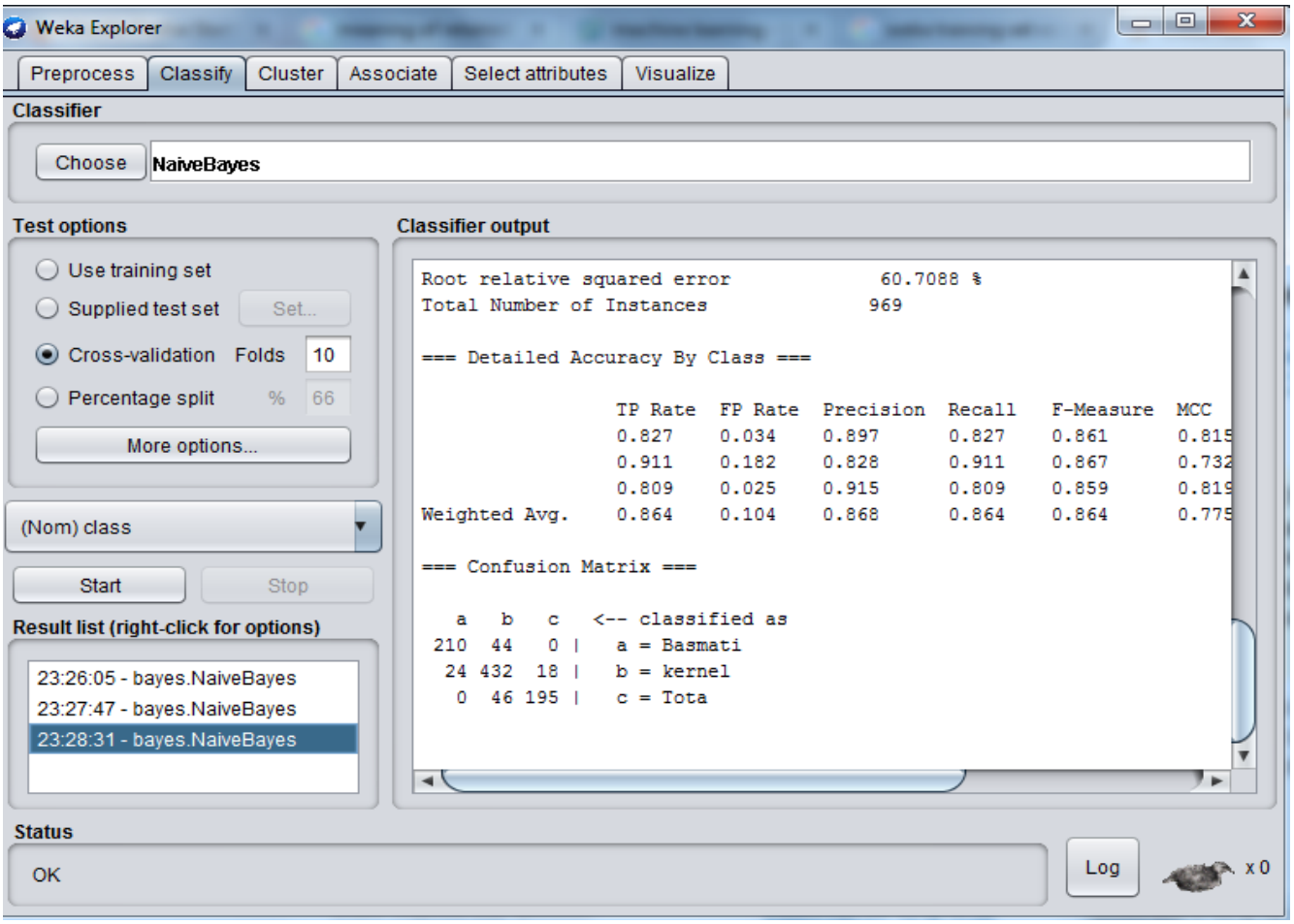
Step 10: For test options we had selected **Use training set** and get the result in form of percentage accuracy in below screen shot.



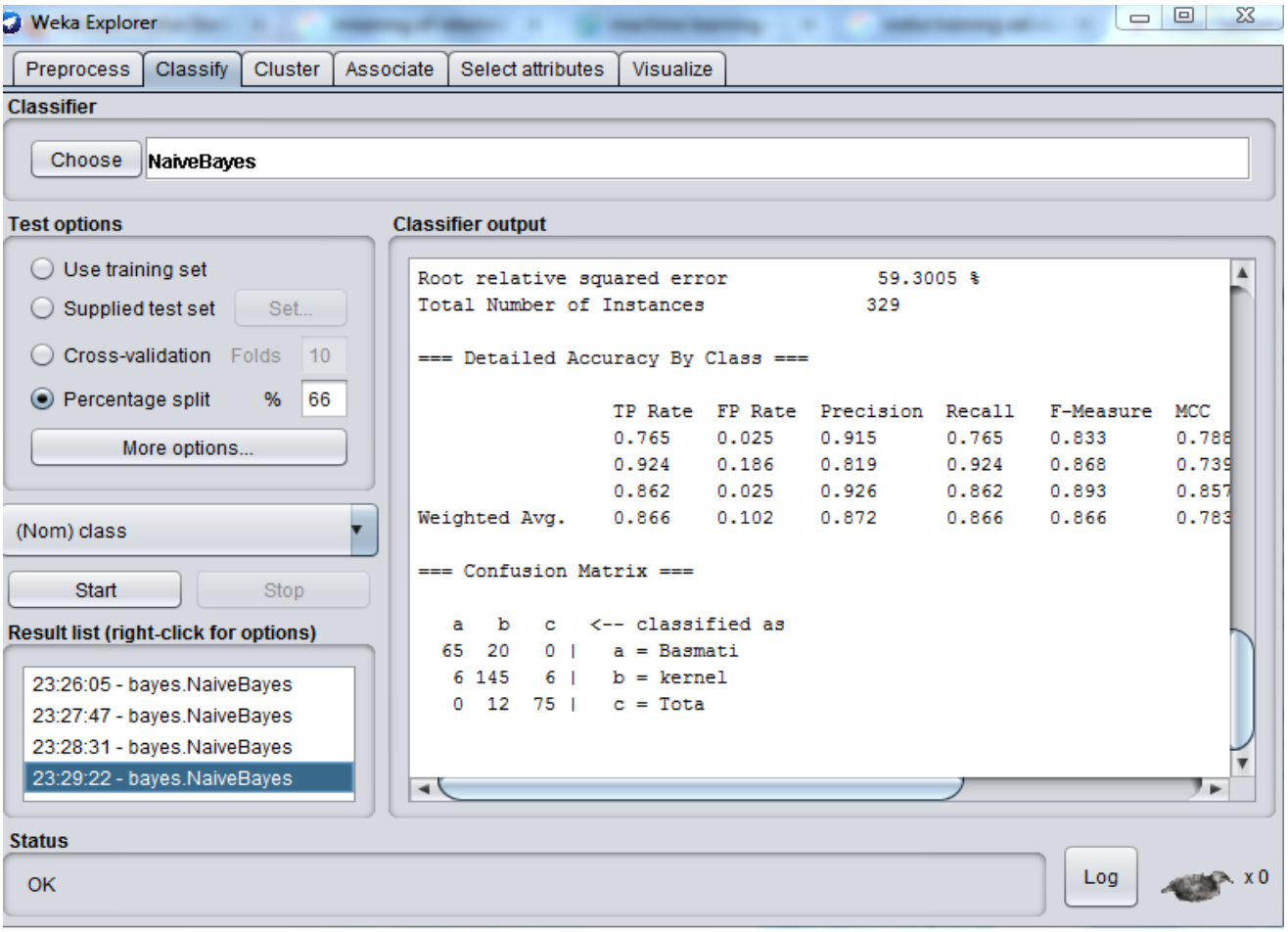
Step 11: For test options we had selected **Supplied test set** and get the results in from of percentage accuracy in below screen shot.



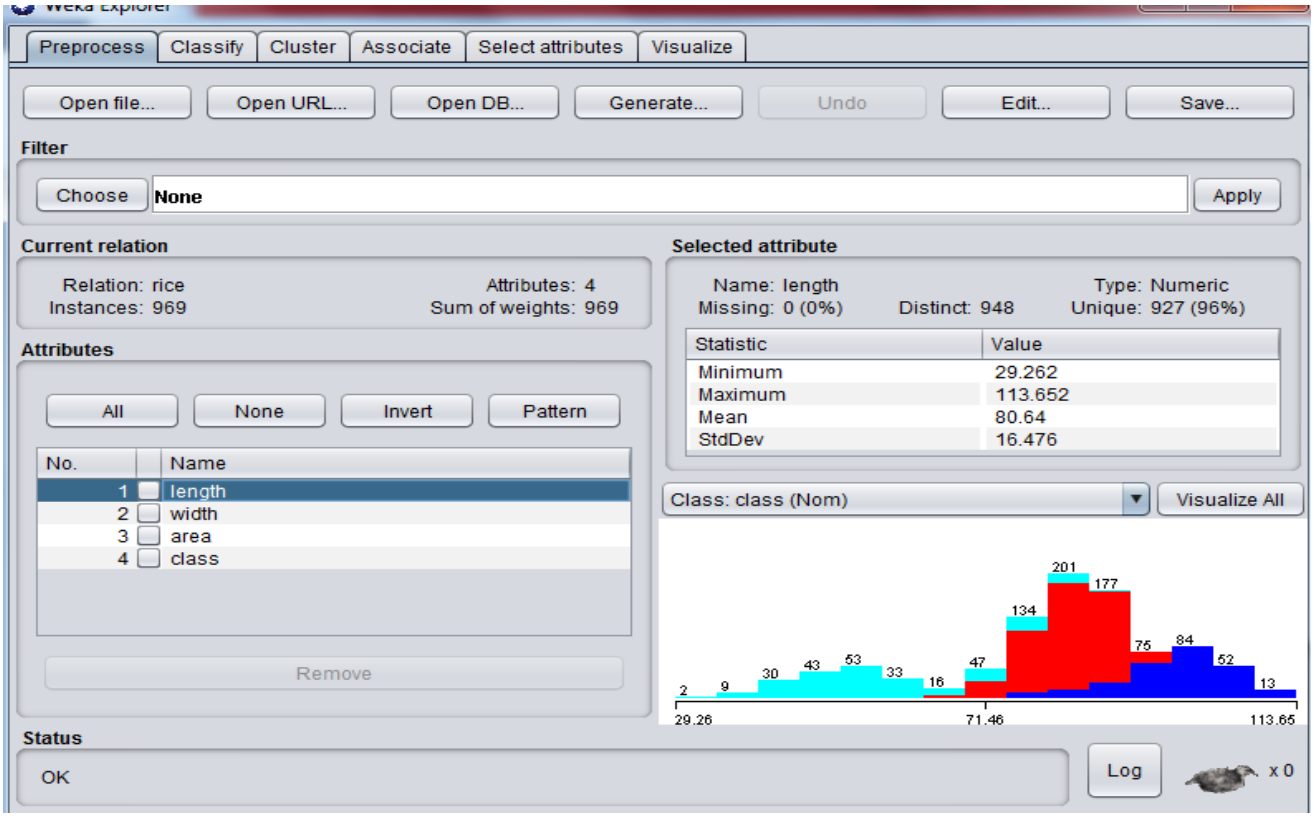
Step 12: For test option we had selected **Cross validation** options. And its complete results with percentage accuracy are below in screen shot.



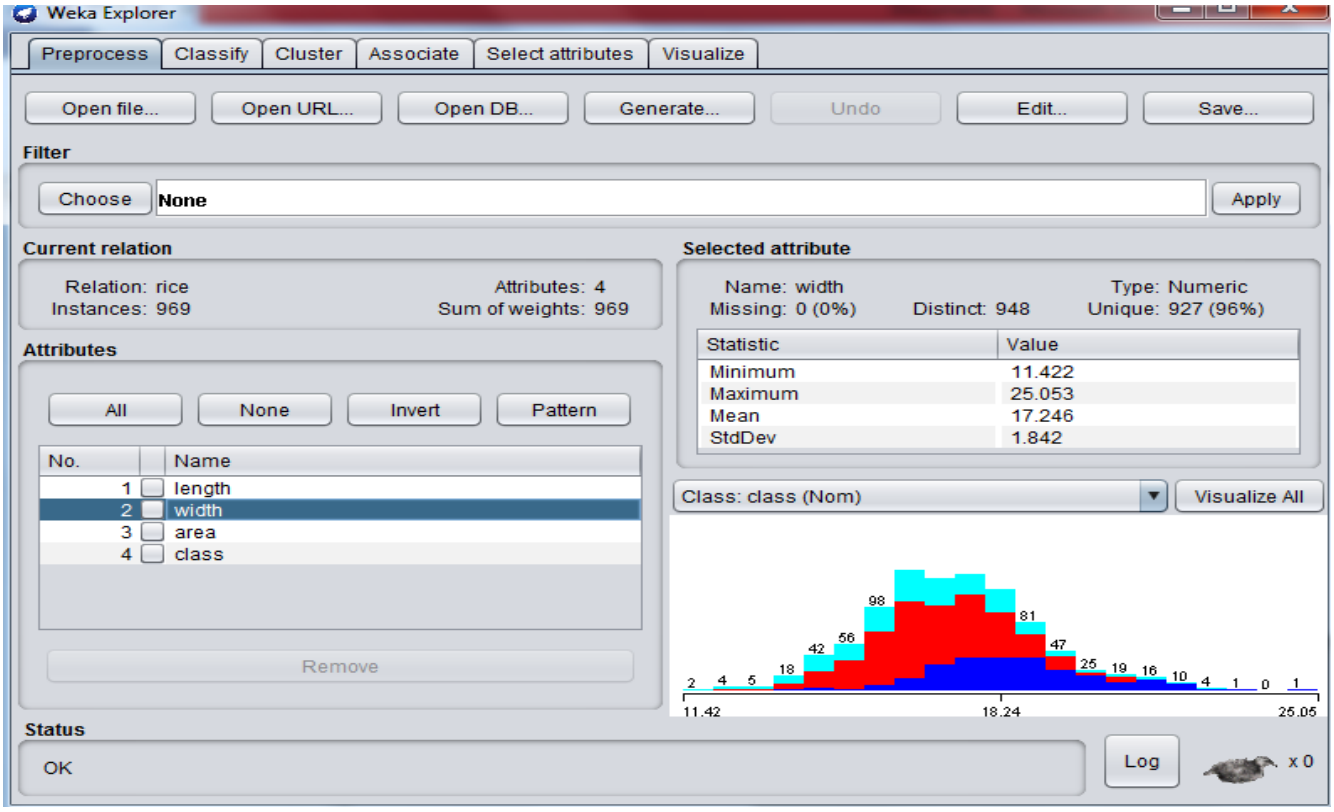
Step 13: For test option we had selected **Percentage splits** and percentage accuracy for rice dataset is below in the screen shot.



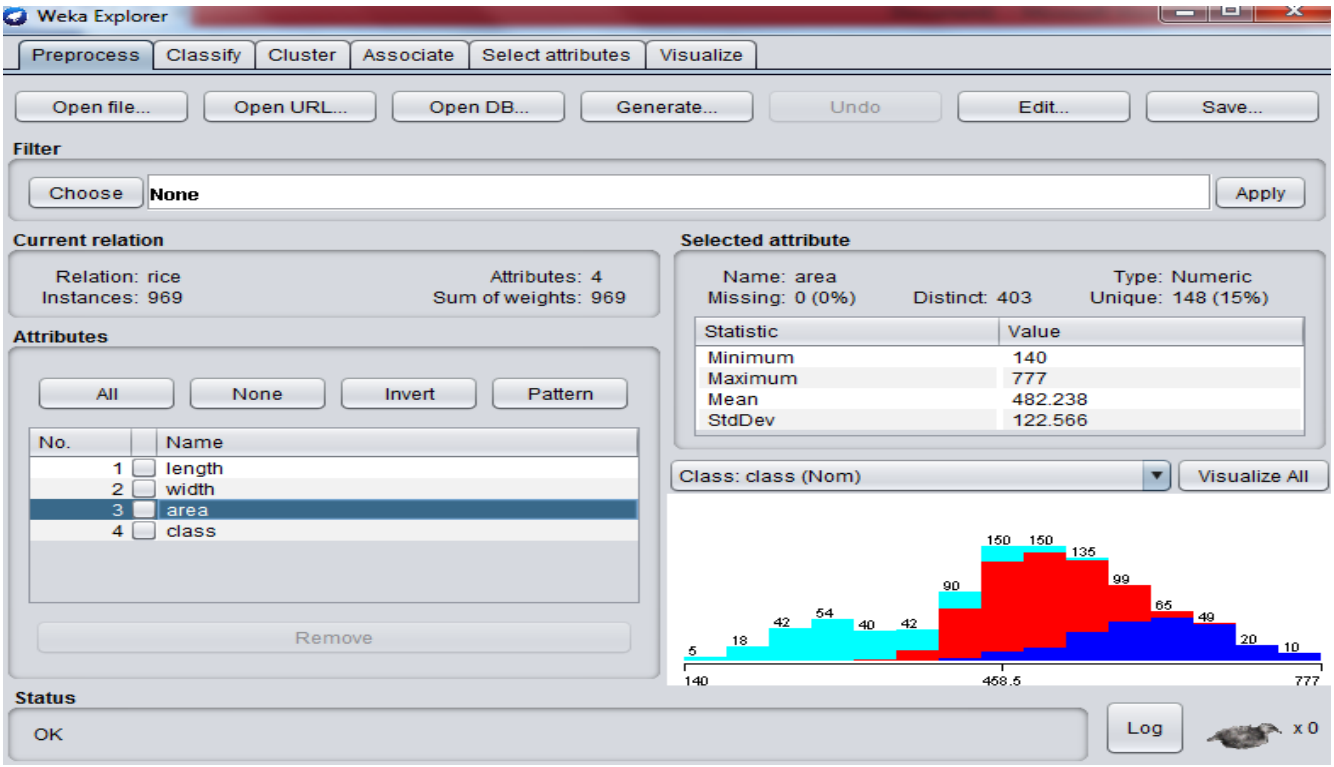
Step 14: We are also having the option to visual our dataset attributes in terms of their values. As we had given dataset of three different rice grains tota, basmati and kernel having three attributes that are length, width and area. So in the given screen shot three different colors are present these three different types of rice with their **length values** by clicking upon **Length** option present under the heading of **Attributes.**



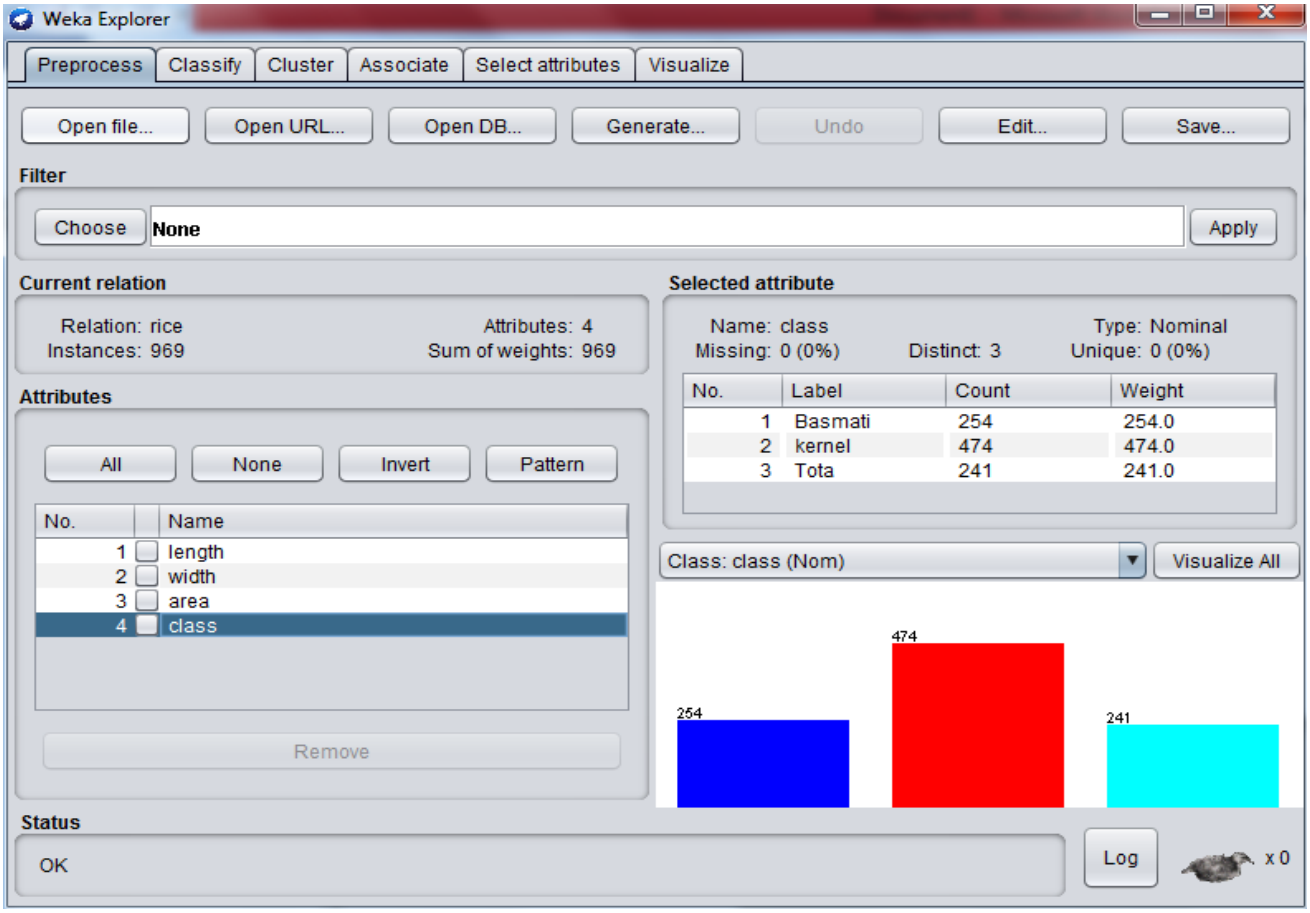
Step 15: Visual image of width values for three different types of rice grain by click upon **Width** option present under the heading of **Attributes**.



Step 16: Visual image of area values for three different types of rice grains by clicking upon the option of **Area** under the heading of **Attributes**.

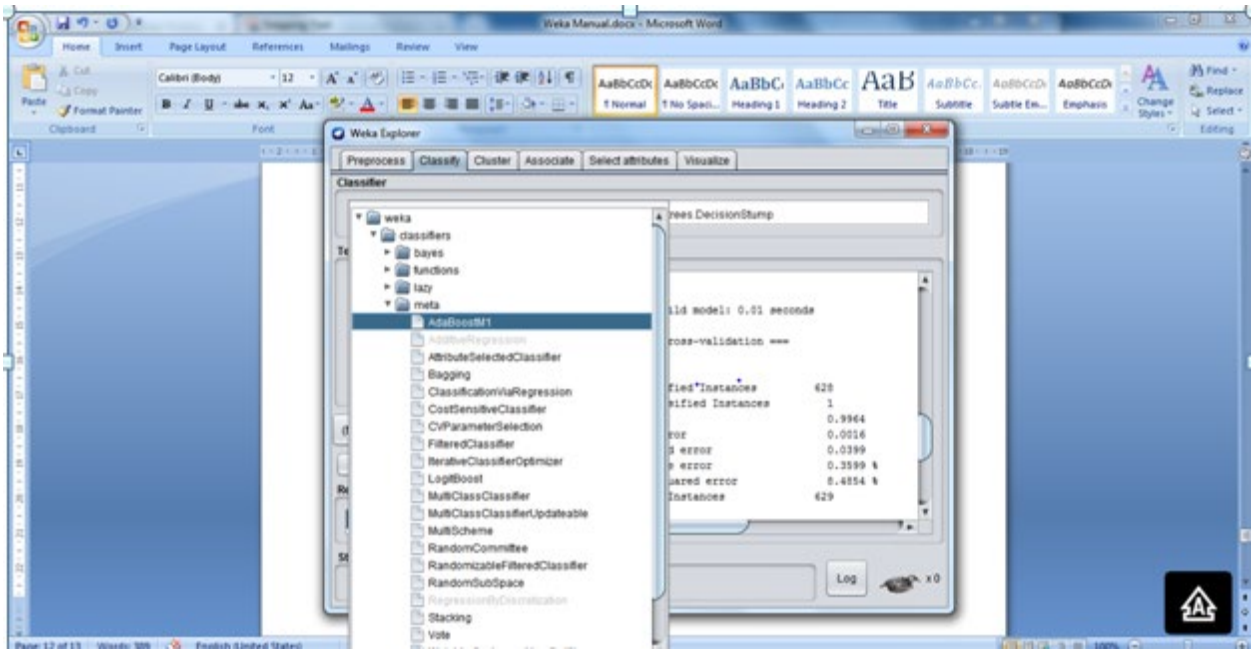


Step 17: Visual the values of all the attributes that are present in class by clicking upon the option of **Class** under the heading of **Attributes.**

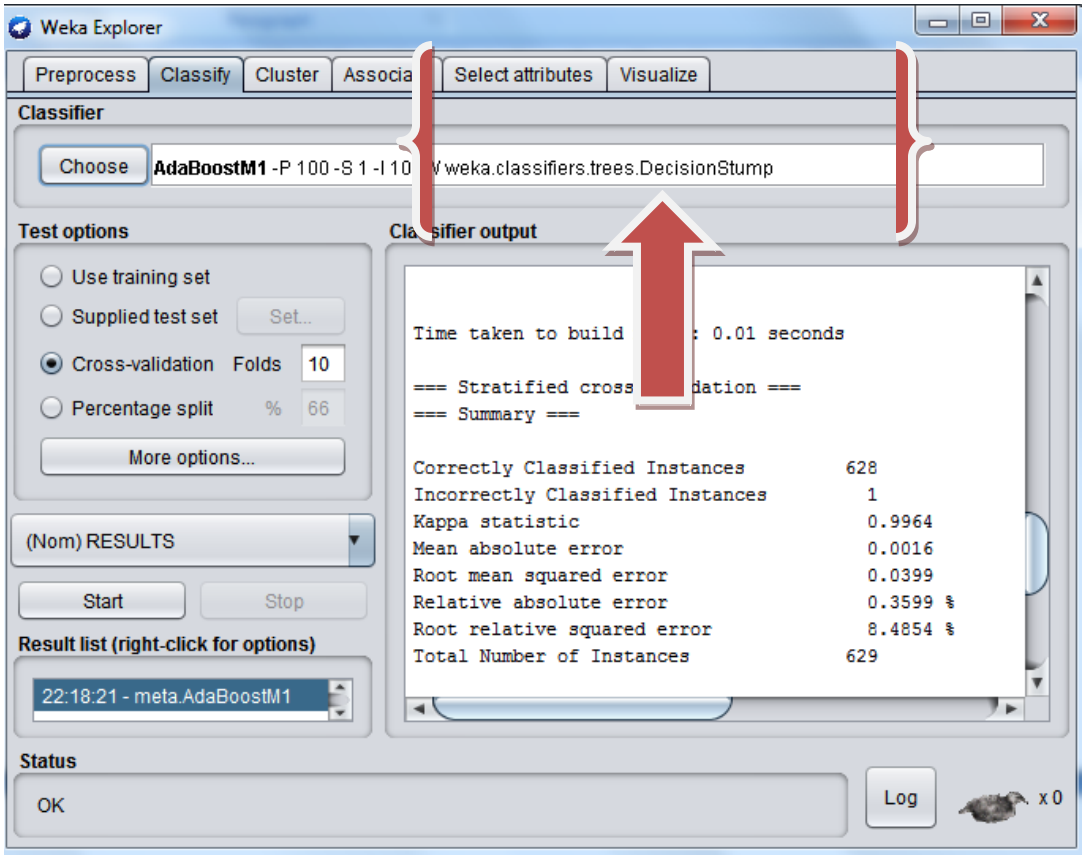


Boosting Method

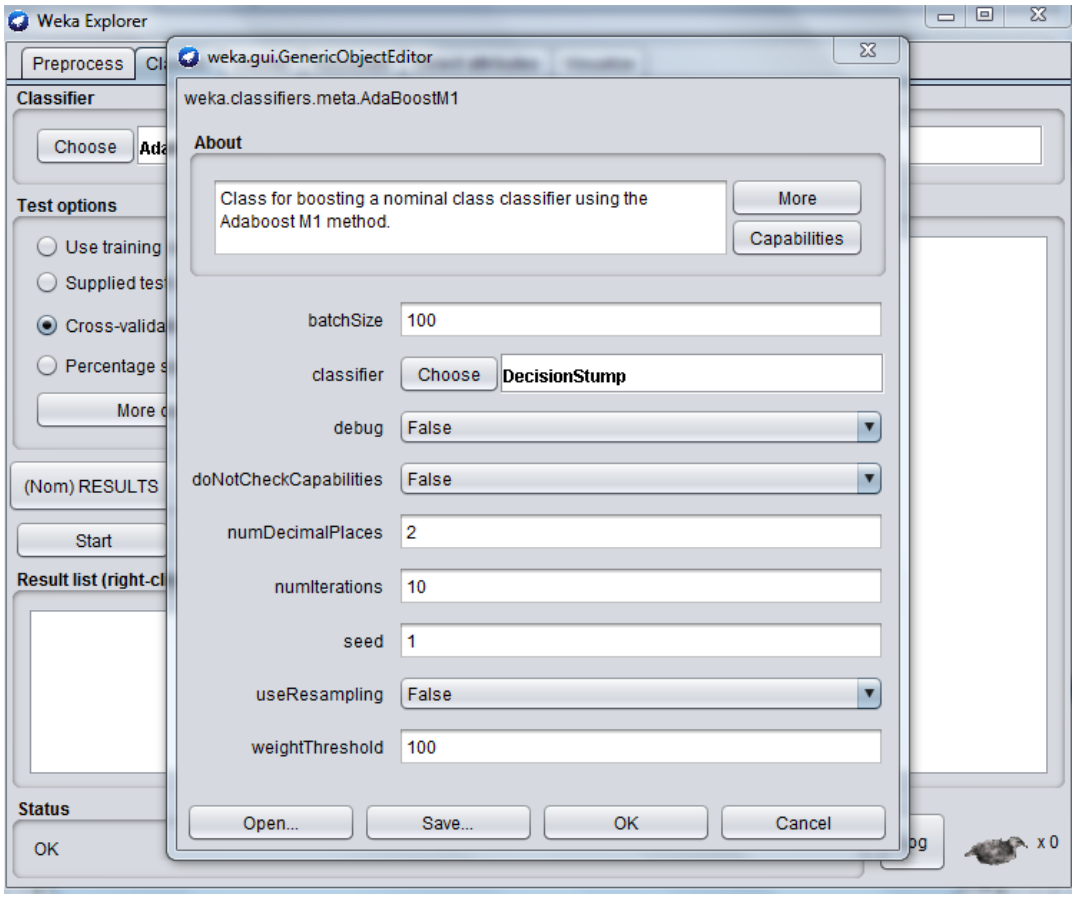
Step 1: First step is to choose the AdaBoostM1 by click upon the Choose button under the classify tab. It is available under the option meta.



Step2: Click on the selected classifier and another window is opened.



Step 3: choose the boosting classifier by clicking upon the choose button. After selecting the classifier press ok button and start the boosting process.


Weka Explorer
Preprocess
Classifier
Choose
Test options
Use training
Supplied test
Cross-valida
Percentage s
More o
(Nom) RESULTS
Start
Result list (right-cl
Status
OK
x 0
weka.gui.GenericObjectEditor
weka.classifiers.meta.AdaBoostM1
About
Class for boosting a nominal class classifier using the Adaboost M1 method.
More
Capabilities
batchSize
100
classifier
Choose
DecisionStump
debug
False
doNotCheckCapabilities
False
numDecimalPlaces
2
numIterations
10
seed
1
useResampling
False
weightThreshold
100
Open...
Save...
OK
Cancel