



FUNDAMENTALS OF DATA MINING

Fall 2021



DATE OF SUBMISSION: 25/NOVEMBER/2021_

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Batch: 10th

Roll #: **731**

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Nationality: **Pakistani**

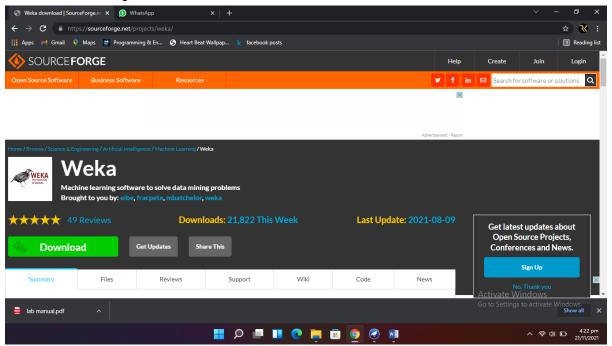
Address: Abu Mansion Dhobi Gath Flat # 2, Floor # 1, Lea Market Karachi

Email ID: rohitramsinghania@gmail.com

TABLE OF CONTENT:

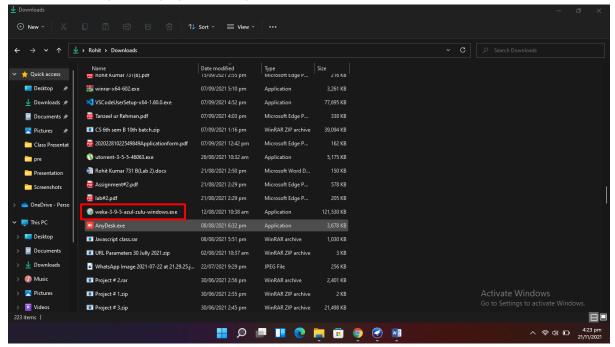
S.NO:	TASKS	PAGE#
1	Install WEKA and add screenshots of the installation steps.	
2	Check each feature of WEKA and add screenshots.	
3	Complete interface of WEKA with screenshots.	
4	Import dummy dataset from KAGGLE and add screenshots. Also describe some features of KAGGLE briefly, and add screenshots of your work.	
5	Import dummy dataset from UCI and add screenshots. Also describe some features of UCI briefly, and add screenshots of your work.	
6	Import downloaded dataset from your device in WEKA and add screenshots of all steps.	
7	Import any dataset in WEKA and perform preprocessing. Also add screenshots of the output.	
8	Import any dataset in WEKA and perform Classification. Also add screenshots of the output.	
9	Import any dataset in WEKA and perform Clustering. Also add screenshots of the output.	
10	Import any dataset in WEKA and perform Decision Tree and Naïve Bayes Algorithms. Also add screenshots of the outputs.	

Step#1:
Got to the SourceForge and click on download:



Step#2:

After downloading the setup open the setup from downloads



Step#3:

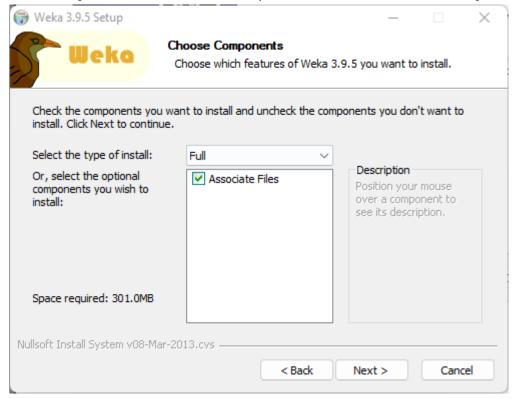
Double click the weka setup to start installing...



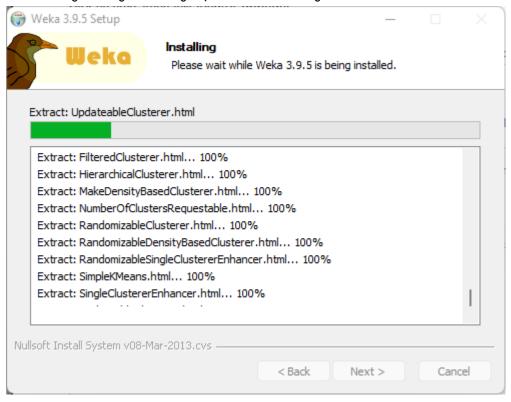
click on next when this window appears.

Step#4:

Click on "I agree" when this windows shows up.. and click next next until installation get started.

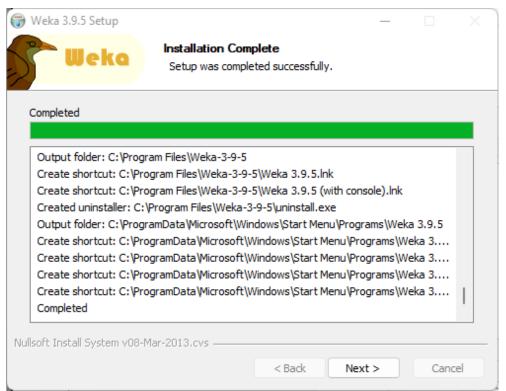


Step#5:
After clicking next again and again, it will start installing



Step#6:

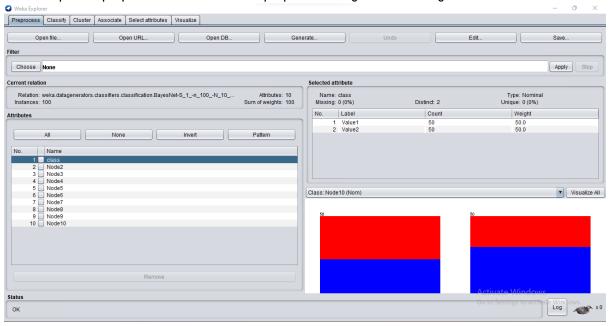
After all steps it will be installed successfully...



Step#1:

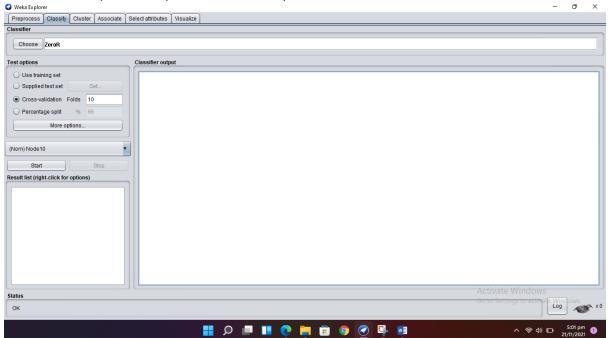
In this lab we will explore all the interface of weka...Open explorer...

The first option is preprocessor... it has all the preprocessor algorithm for the given data:



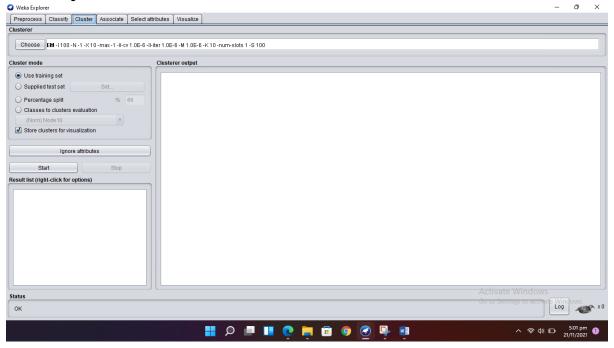
Step#2:

Click on second option classify.. in which we classify the data...



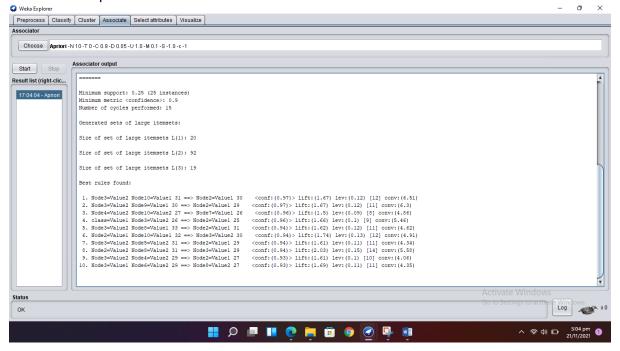
Step#3:

Click on third option which is clustering... in which we make cluster for the given dataset using different algorithm.



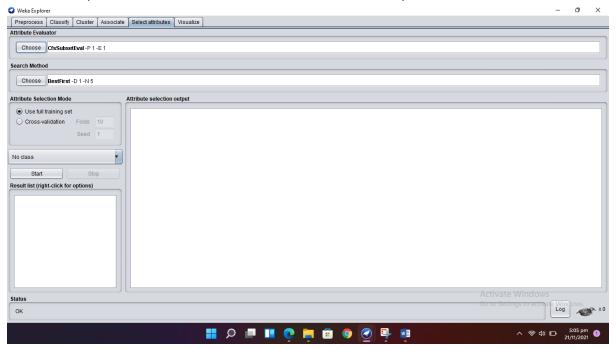
Step#4:

Click on fourth option which is associate...which create association with the dataset.



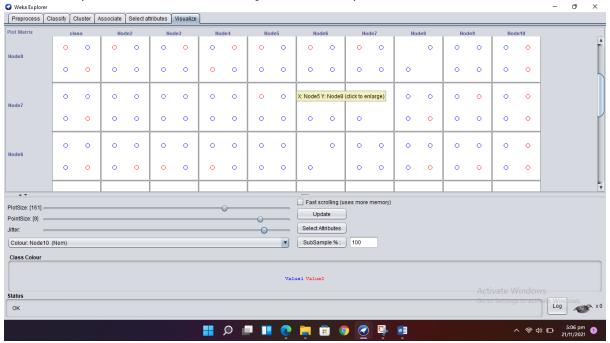
Step#5:

Click on fifth option which is Select Attributes... which is used to select specific attributes.

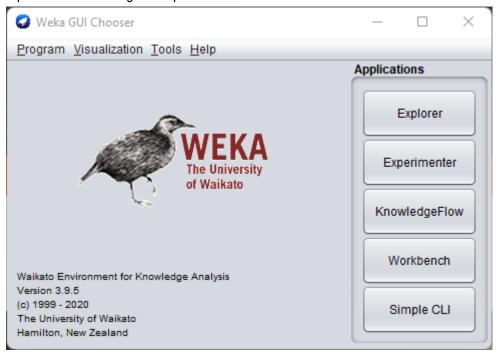


Step#6:

Click on last option which is Visualize. Which gives the visual representation of the data.

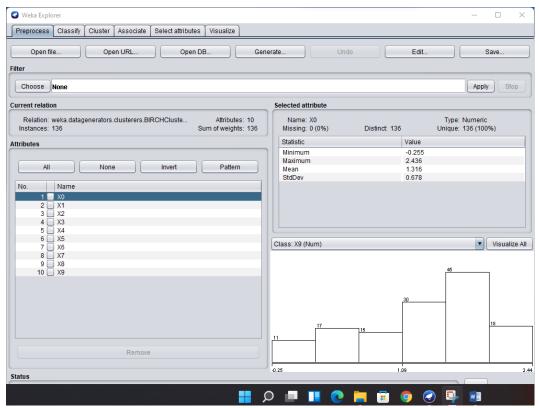


Step#1:
Open weka tool and go to explorer:



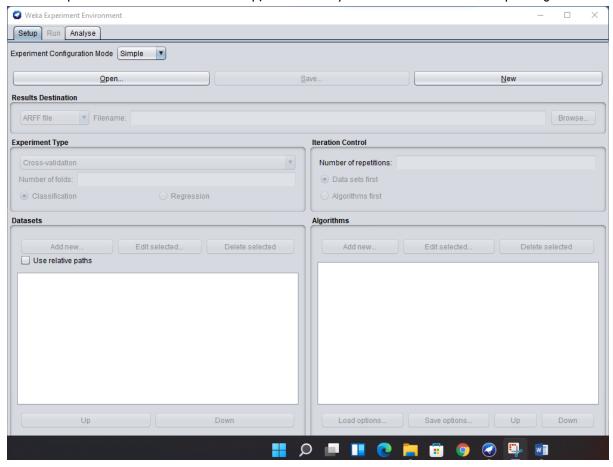
Step#2:

Open explorer from weka tool...it will show all the possible tools for datamining as we have studied in KDD.



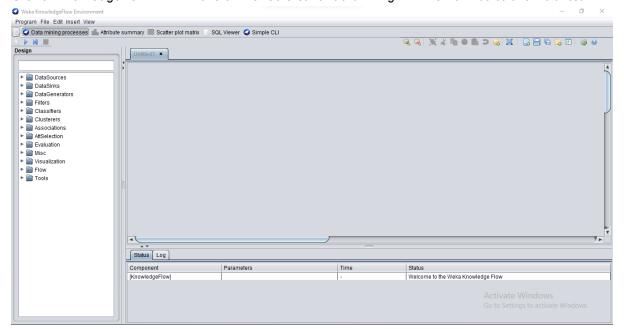
Step#3:

Click on Experimenter... it will show the setup, run and analyze tabs each tab work on depending dataset.



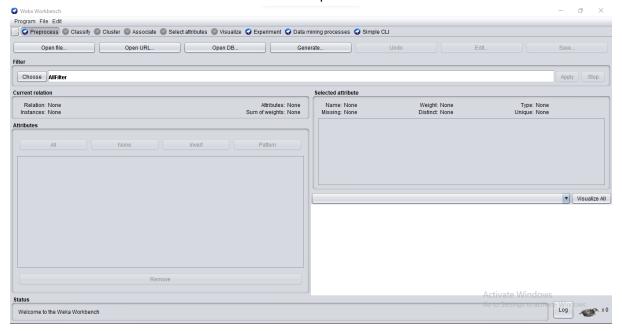
Step#4:

Click on KnowledgeFlow...It will have all the features for datamining with their attributes and instances..



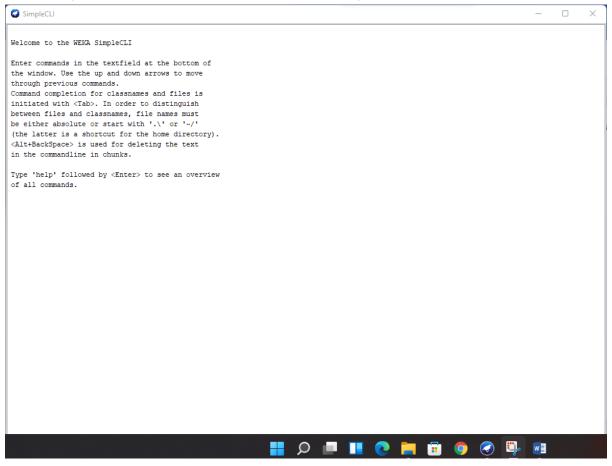
Step#5:

Click on WorkBench... It will have all the features of explorer with different UI.

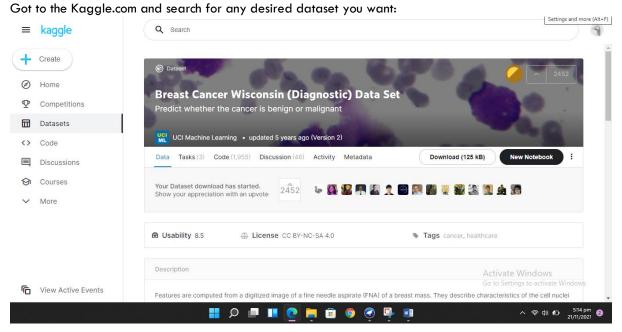


Step#6:

Click on Simple CLI... it is a CLI or terminal used for data mining.

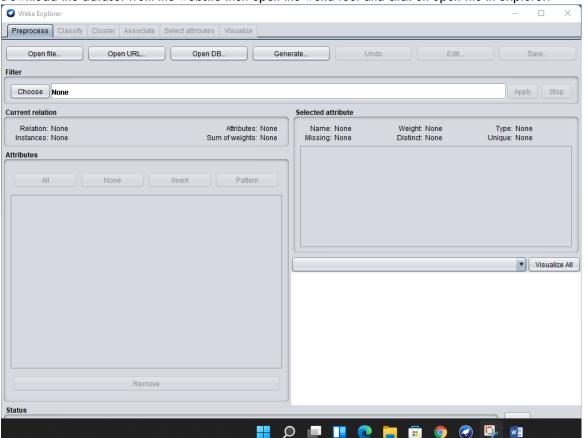


Step#1:

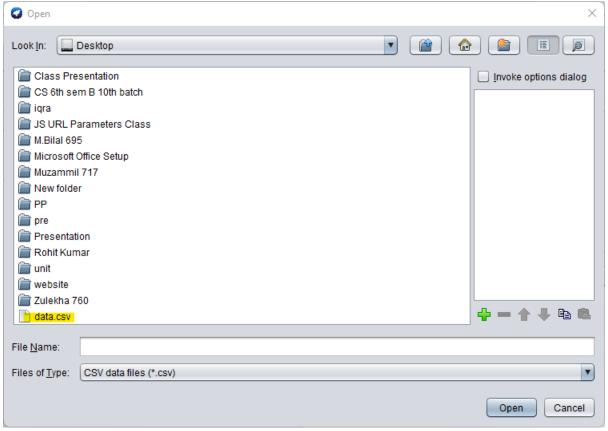


Step#2:

Download the dataset from the website then open the weka tool and click on open file in explorer.

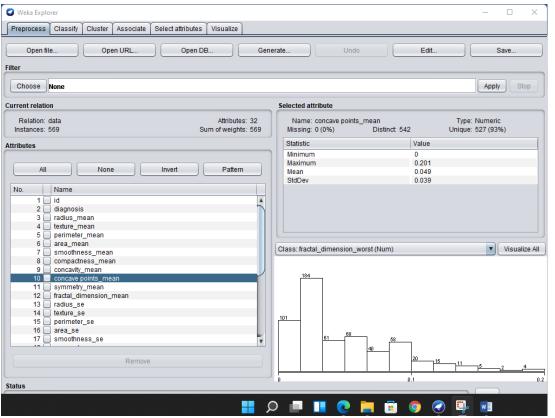


Step#3: Click Open file and select the downloaded data...



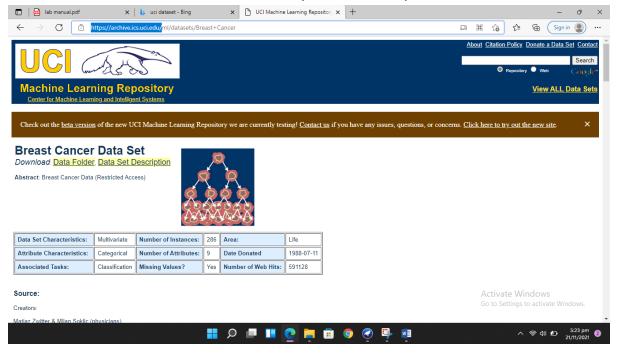
Step#4:

After selecting the data it will be imported in weka.



Step#1:

Got to the www.archive.ics.uci.edu and search for any desired dataset you want:



Step#2:

Click on Data Folder... and download the data..



Index of /ml/machine-learning-databases/breast-cancer

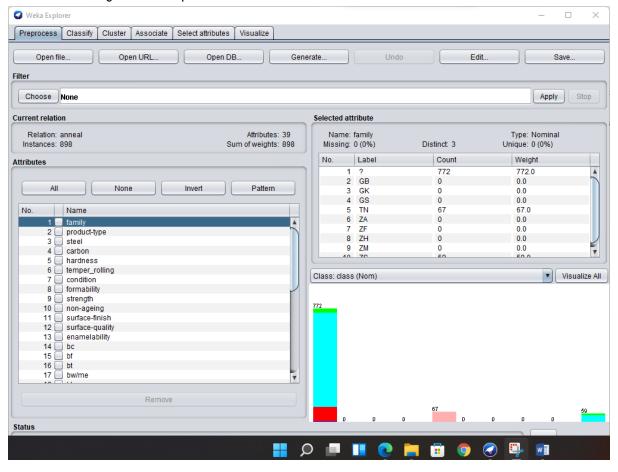
- Parent Directory
 Index
 breast-cancer.data
 breast-cancer.names

Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips SVN/1.7.14 Phusion_Passenger/4.0.53 mod_perl/2.0.11 Perl/v5.16.3 Server at archive.ics.uci.edu Port 443

Activate Windows

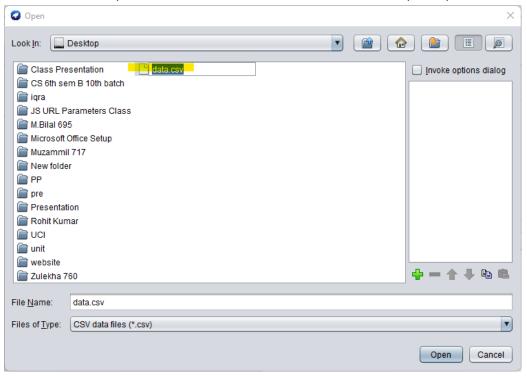


Step#3:
After downloading the data Import this data in weka tool.



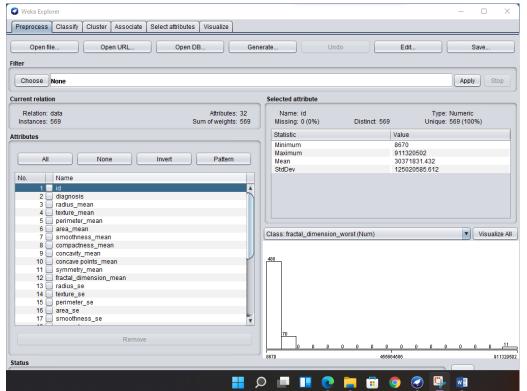
Step#1:

In this lab we will import the data from our local device to weka tool...open explorer and click on open file:



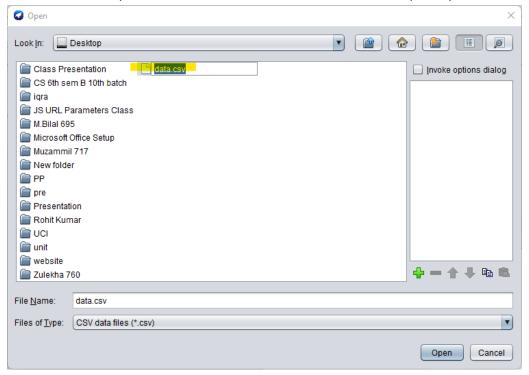
Step#2:

Click on the dataset file then it will be imported into weka..



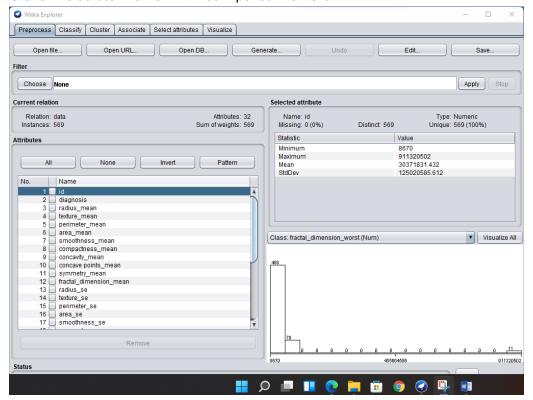
Step#1:

In this lab we will import the data from our local device to weka tool...open explorer and click on open file:

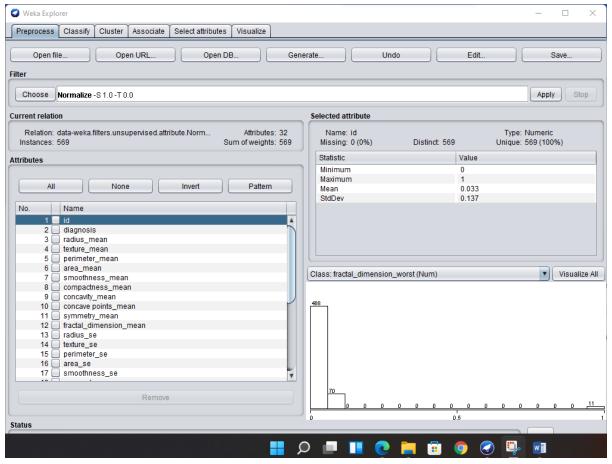


Step#2:

Click on the dataset file then it will be imported into weka..

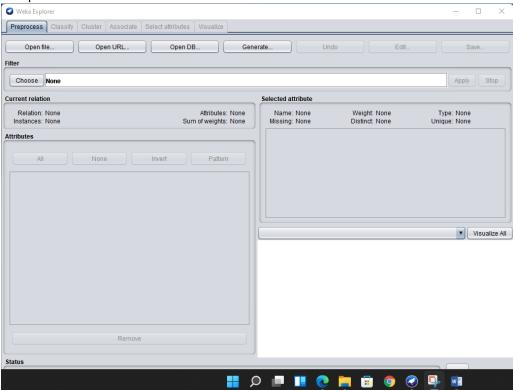


Step#3: Now choose any preprocessing algorithm(Normalize) of your choice and apply that algorithm.



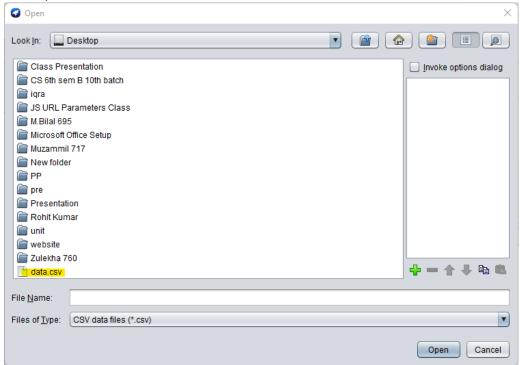
Step#1:

Import the Downloaded the dataset from the website then open the weka tool and click on open file in explorer.



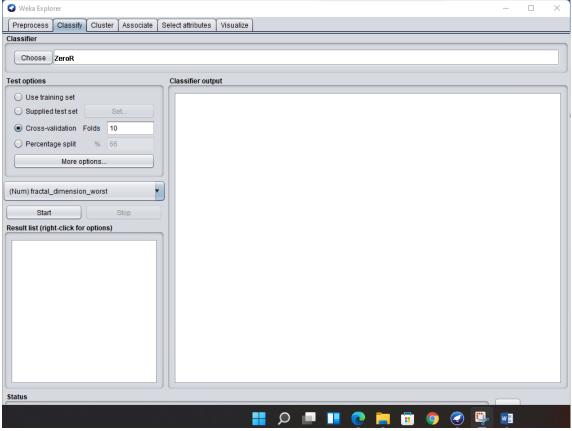
Step#2:

Click Open file and select the downloaded data...



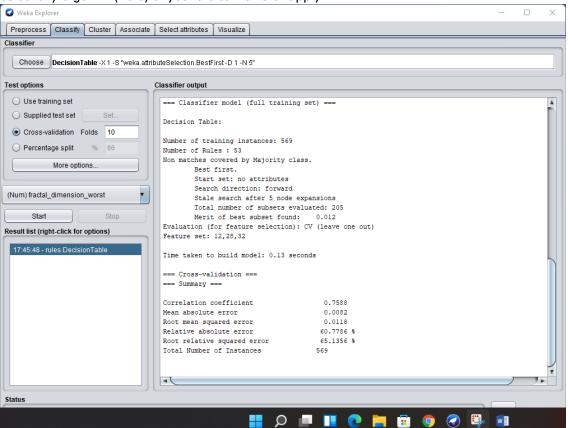
Step#3:

Click on Classification tab on the top...



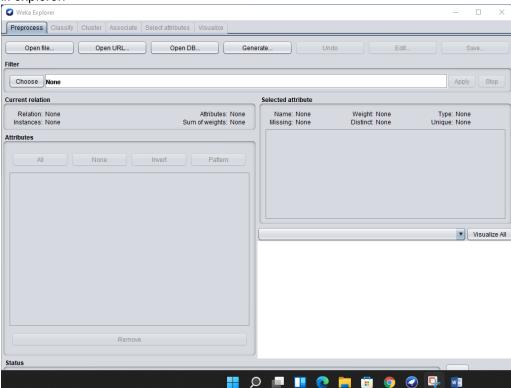
Step#4:

Select any algorithm(Vote) of your choice then click apply.



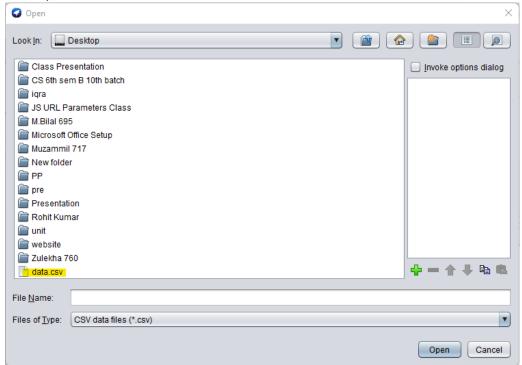
Step#1:

Import the Downloaded the dataset from the website then open the weka tool and click on open file in explorer.

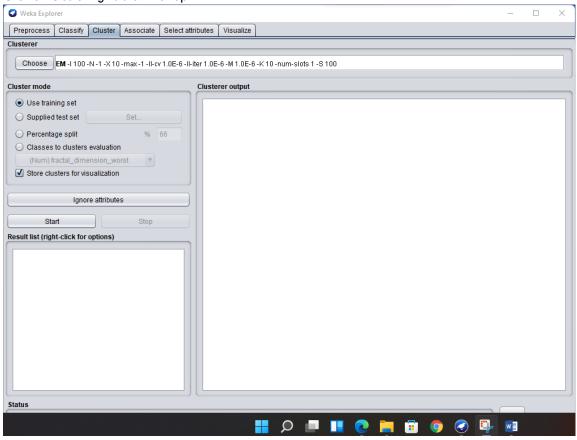


Step#2:

Click Open file and select the downloaded data...

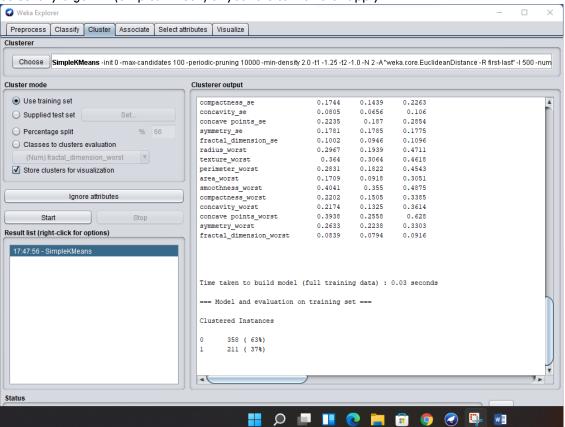


Step#3: Click on Clustering tab on the top...

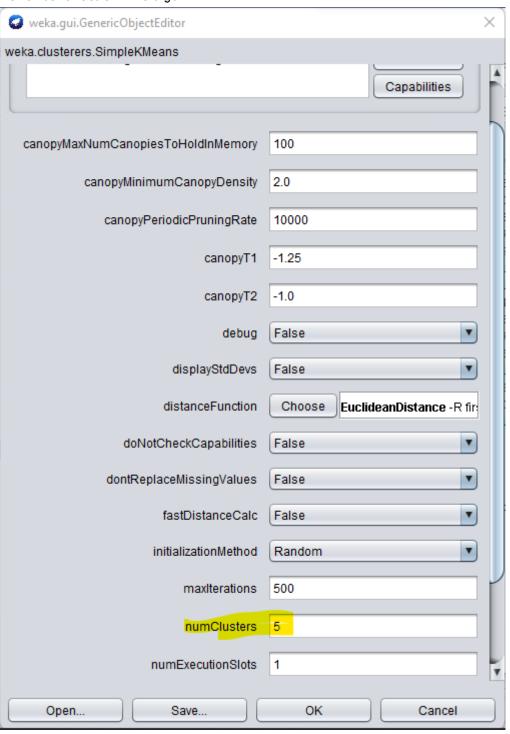


Step#4:

Select any algorithm(SimplestKMean) of your choice then click apply.

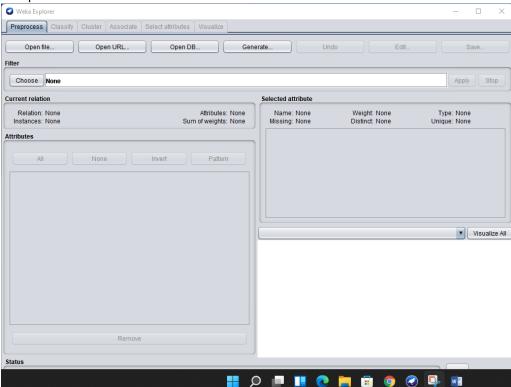


Step#5: you can also change the number of cluster by pressing on the algorithm stripe on weka tool...lt will change the number of cluster in the algorithm...



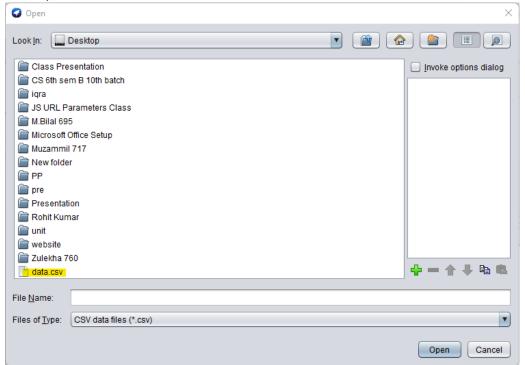
Step#1:

Import the Downloaded the dataset from the website then open the weka tool and click on open file in explorer.

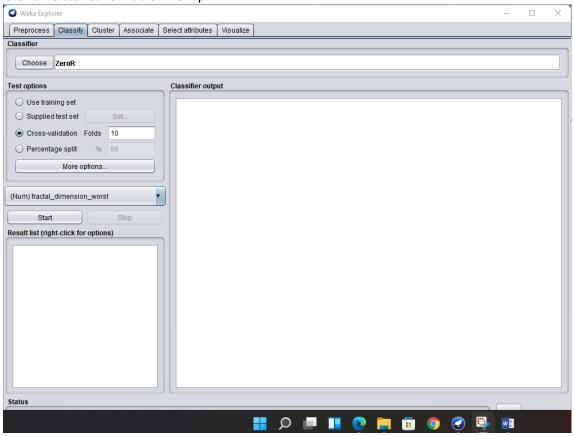


Step#2:

Click Open file and select the downloaded data...

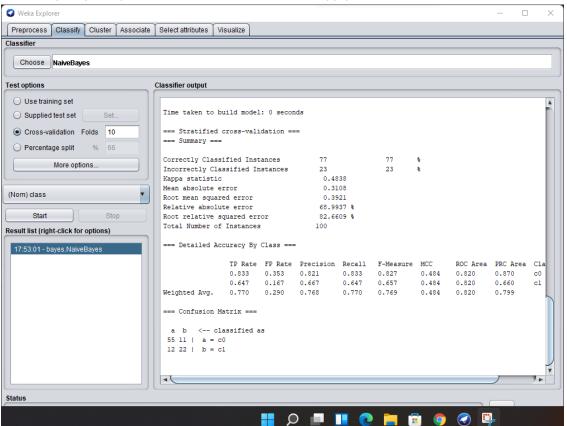


Step#3: Click on Classification tab on the top...



Step#4:

Select NayeBayes algorithm from the choose button and apply.



Step#5: Now select J48 tree algorithm from classification and apply and right click on the algorithm then click on visualize tree it will open the window.

