Practical:-1

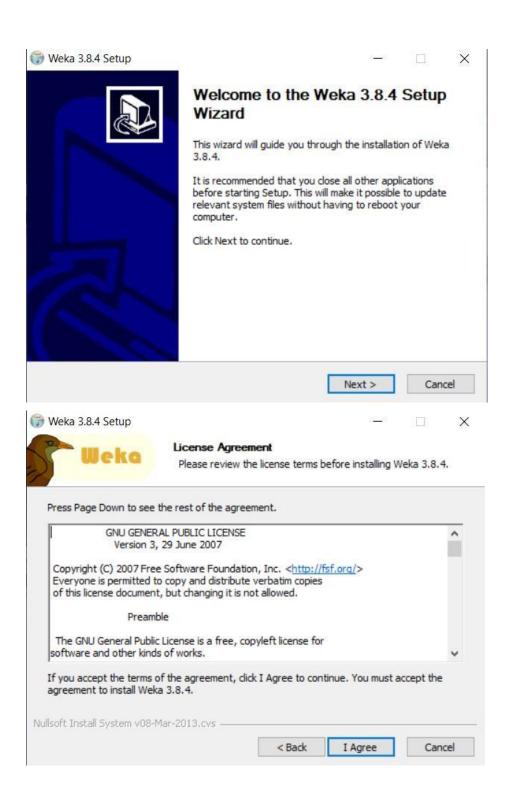
Aim:-Study of Data Mining Tool – WEKA

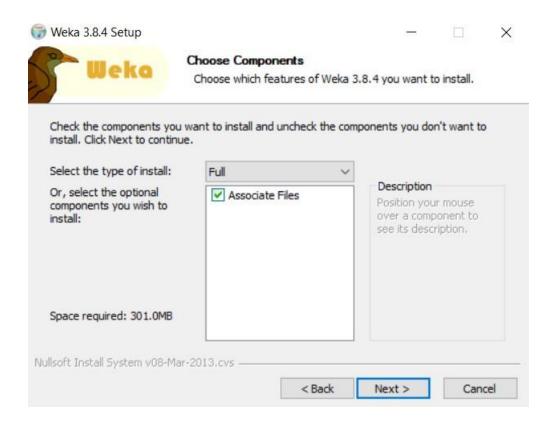
1. Download Weka and Install:

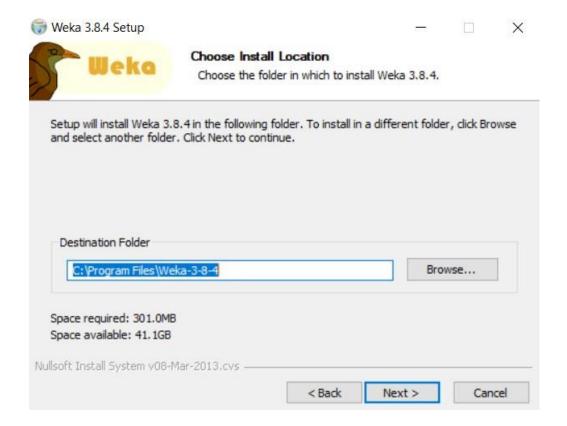
- I. Go to http://www.cs.waikato.ac.nz/ml/weka
- II. Click the *Download and install* button
- III. Choose which one to download:
 - a. the "stable" version (not the "developer" version)
 - b. the appropriate version for your computer; Windows, Mac OS, or Linux

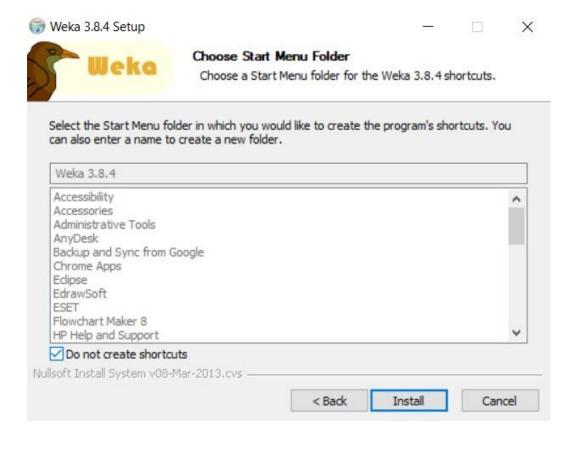
Once it's downloaded, Ian opens it to get a standard setup "wizard".

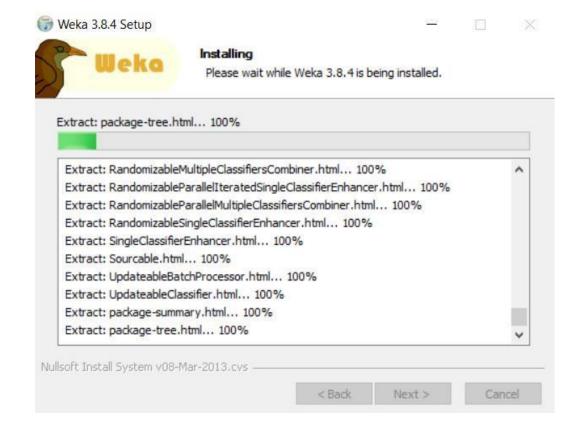
IV. Just keep clicking "Next"! Install it in the default place – and remember the name of that place!

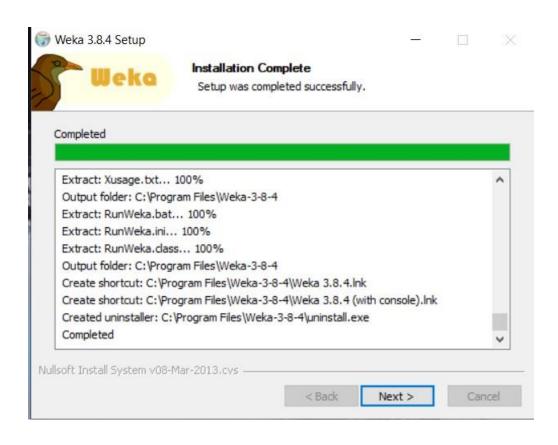


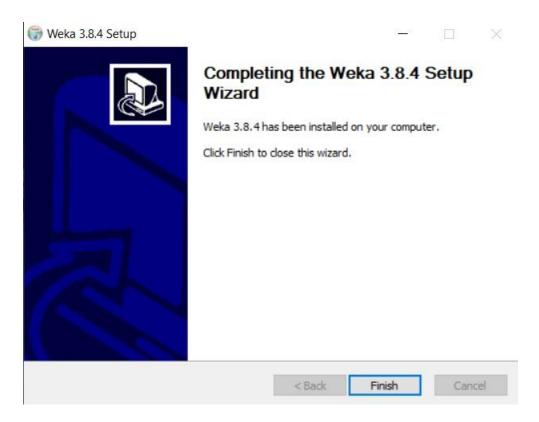










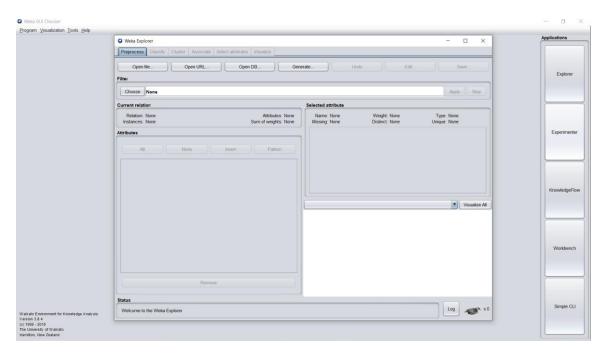


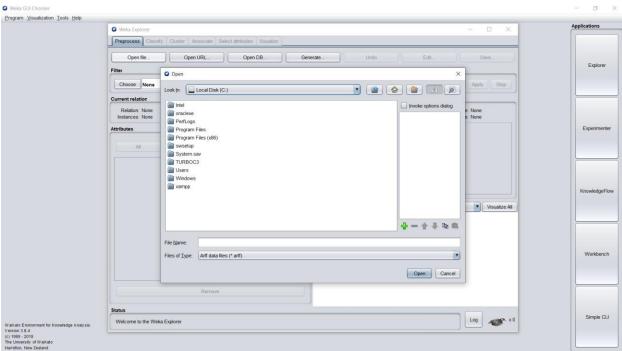
- After installation, uncheck the box that says "Start Weka" and click "Finish".
- > Then go to where Weka was installed and
 - o create a shortcut to the Weka program and put it on the desktop for future use.

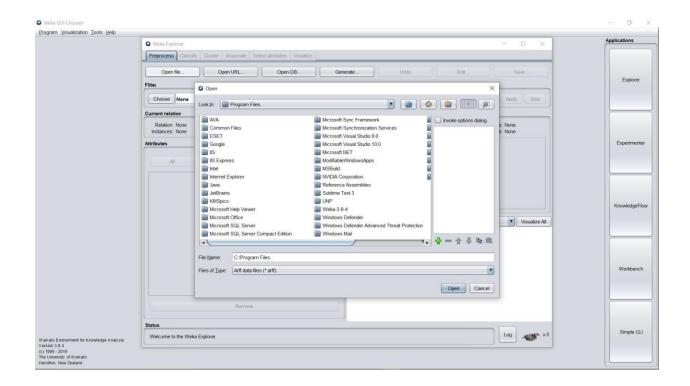
2. Start Weka:

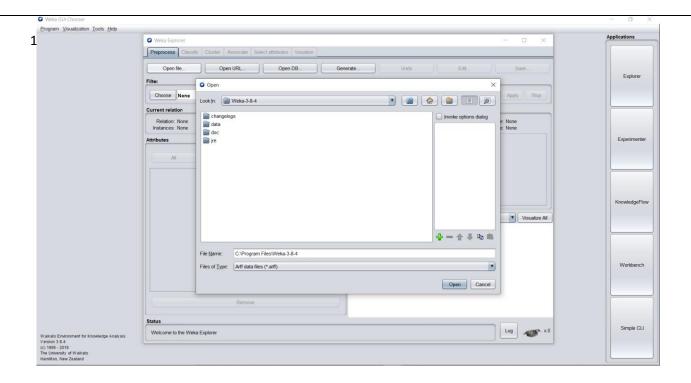
- ➤ Start Weka. This may involve finding it in program launcher or double clicking on the weka.jar file. This will start the Weka GUI Chooser.
- > Click the "*Explorer*" button to launch the Weka Explorer.





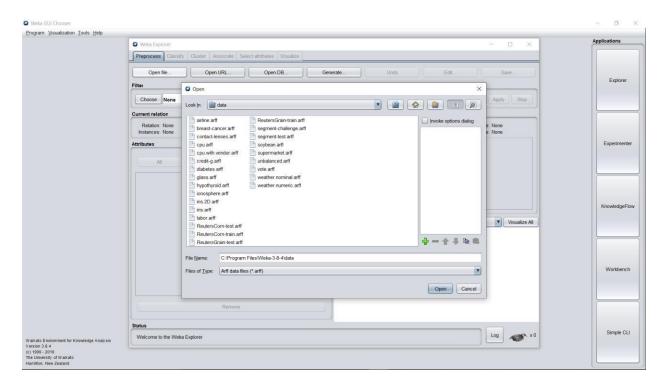


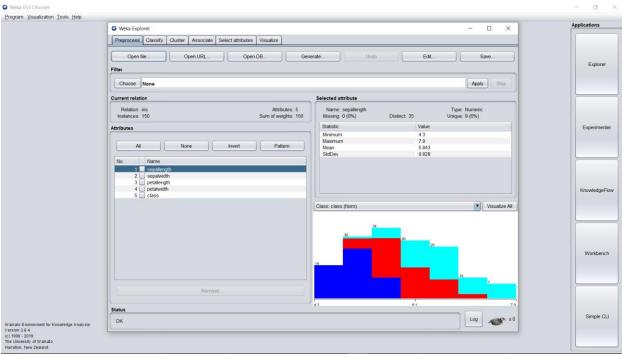


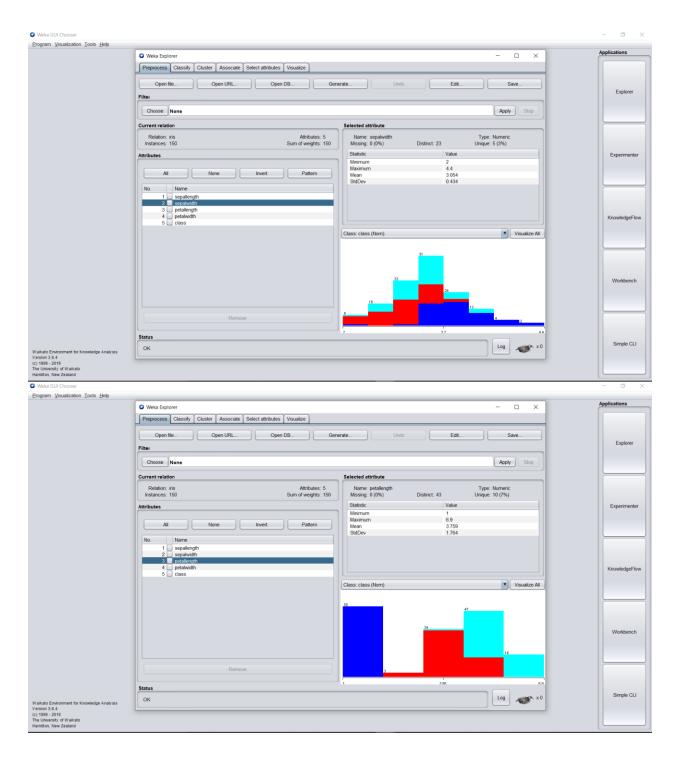


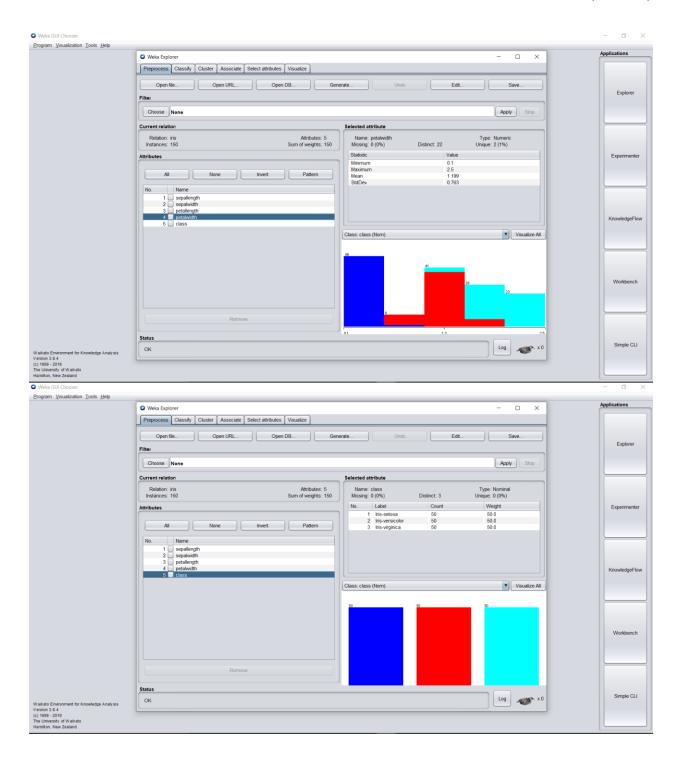
3. Open the data/iris.arff Dataset:

- > Click the "*Open file...*" button to open a data set and double click on the "*data*" directory.
- ➤ Weka provides a number of small common machine learning datasets that you can use to practice on.
- > Select the "iris.arff" file to load the Iris dataset.









4. Select and Run an Algorithm:

Now that you have loaded a dataset, it's time to choose a machine learning algorithm to model the problem and make predictions.

- Click the "Classify" tab. This is the area for running algorithms against a loaded dataset in Weka.
- ➤ You will note that the "ZeroR" algorithm is selected by default.
- > Click the "Start" button to run this algorithm.

