

Experiment 9

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TE COMPS

Aim: To build data warehouse and explore WEKA

About WEKA:

Weka refers for Waikato Environment for Knowledge Analysis, and it is data mining software used in data science. It is open-source software. Weka can run on a variety of operating systems, including Windows, Linux, and Mac. It is written in Java, so it can run on any system that supports Java. Weka is a visualisation platform that may be used for data analysis, cleansing, and predictive modelling. Weka is capable of data preprocessing, clustering, classification, regression, visualisation, and feature selection, among other things.

Weka is a set of data mining-related machine learning techniques. The algorithms can be used to directly apply to a dataset or invoked from Java code. Data pre-processing, classification, regression, clustering, association rules, and visualisation are all available in Weka. Weka is a set of data mining-related machine learning techniques. The algorithms can be used to directly apply to a dataset or invoked from Java code. Data pre-processing, classification, regression, clustering, association rules, and visualisation are all available in Weka.

Why should you use the WEKA Machine Learning Tool?

Machine learning algorithms are readily available to users using WEKA. These strategies can be used by ML experts to extract relevant information from large amounts of data. Here, experts may establish an environment in which novel machine learning approaches can be developed and tested on real data.

WEKA is a learning tool used by machine learning and applied sciences researchers. It's a useful tool for completing a variety of data mining jobs.

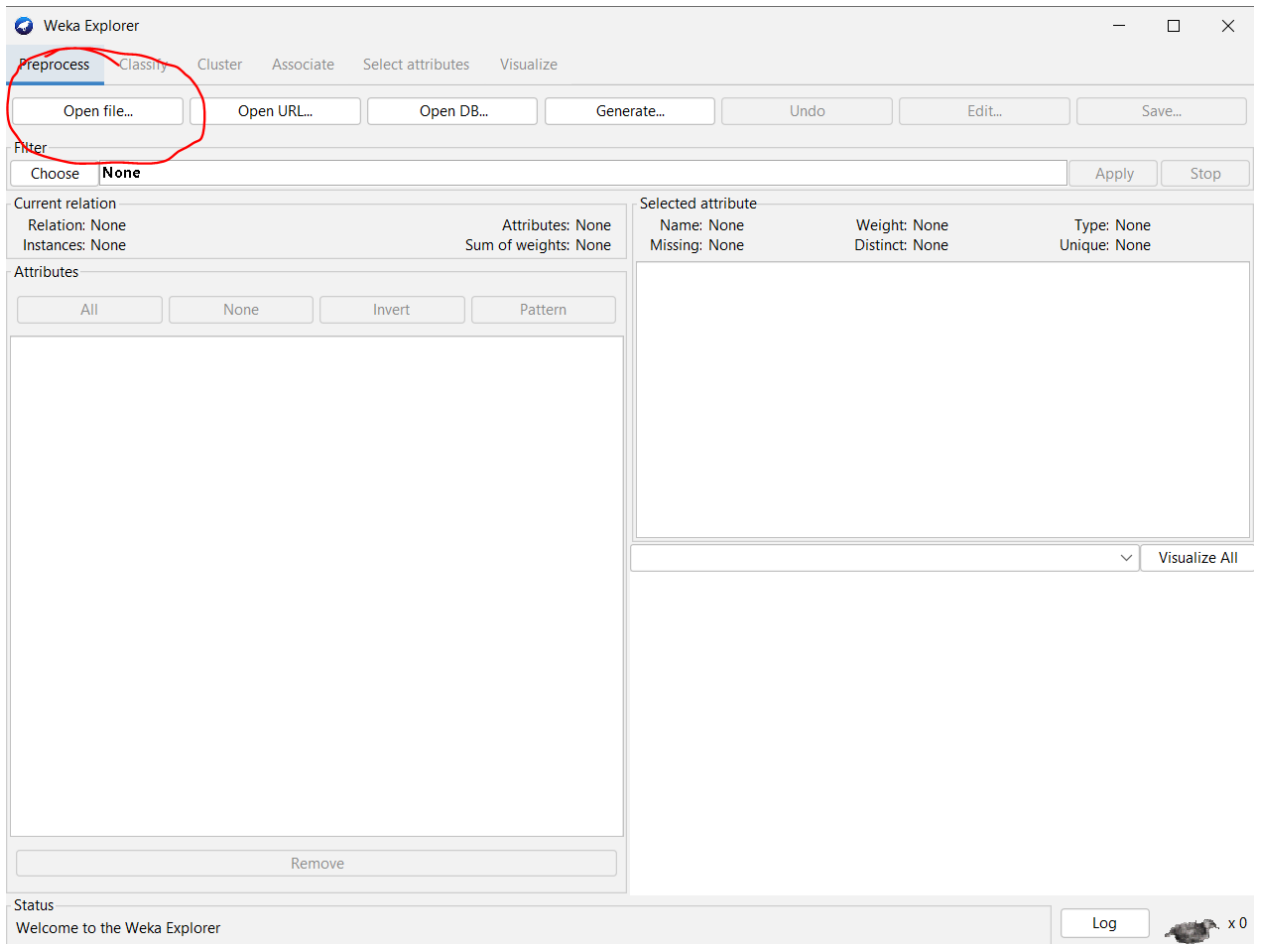
Data warehouse:

1. Download and install WEKA

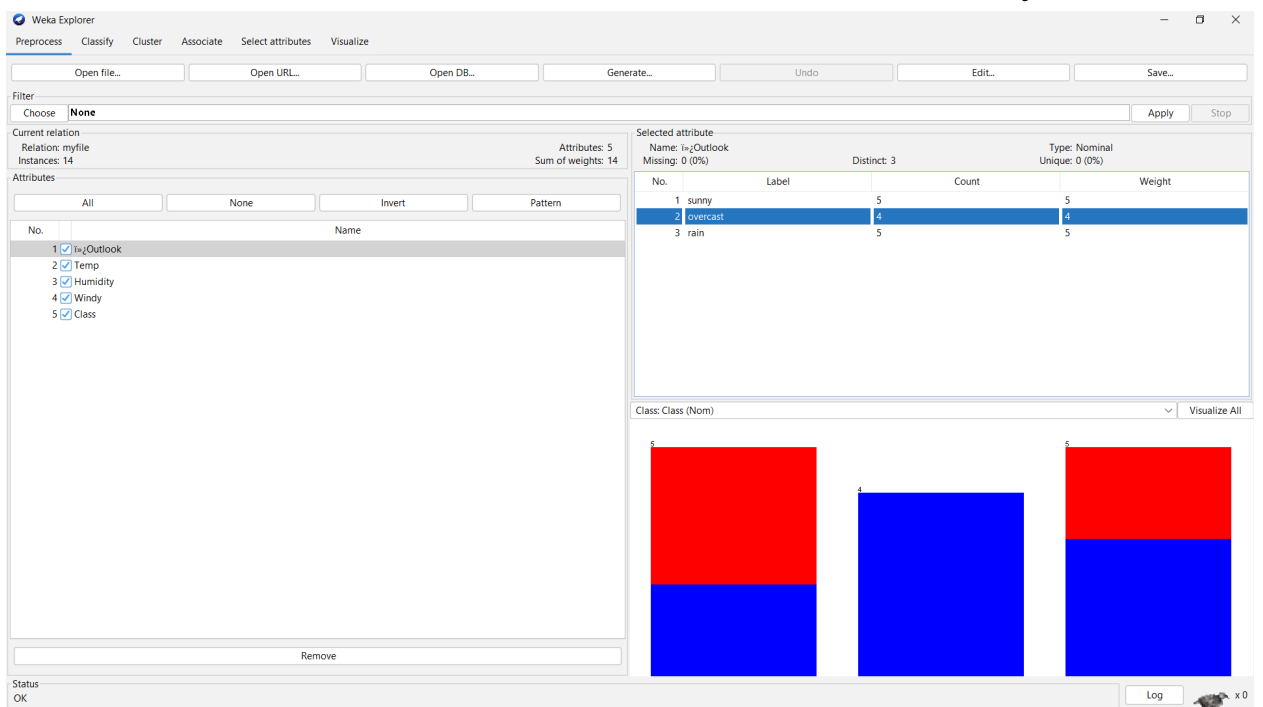
2. Choose your dataset make sure it is in csv format
3. Open WEKA



4. Click Explorer and open csv file



5. The data warehouse is created. You can use it for further analysis



Conclusion:

We explored the WEKA software. We created a data warehouse from the data we obtained from a third party. After loading the data into WEKA, it automatically analysed the data and presented it in the graphical format. WEKA is a very useful software software for data mining, data warehousing and other related stuffs.