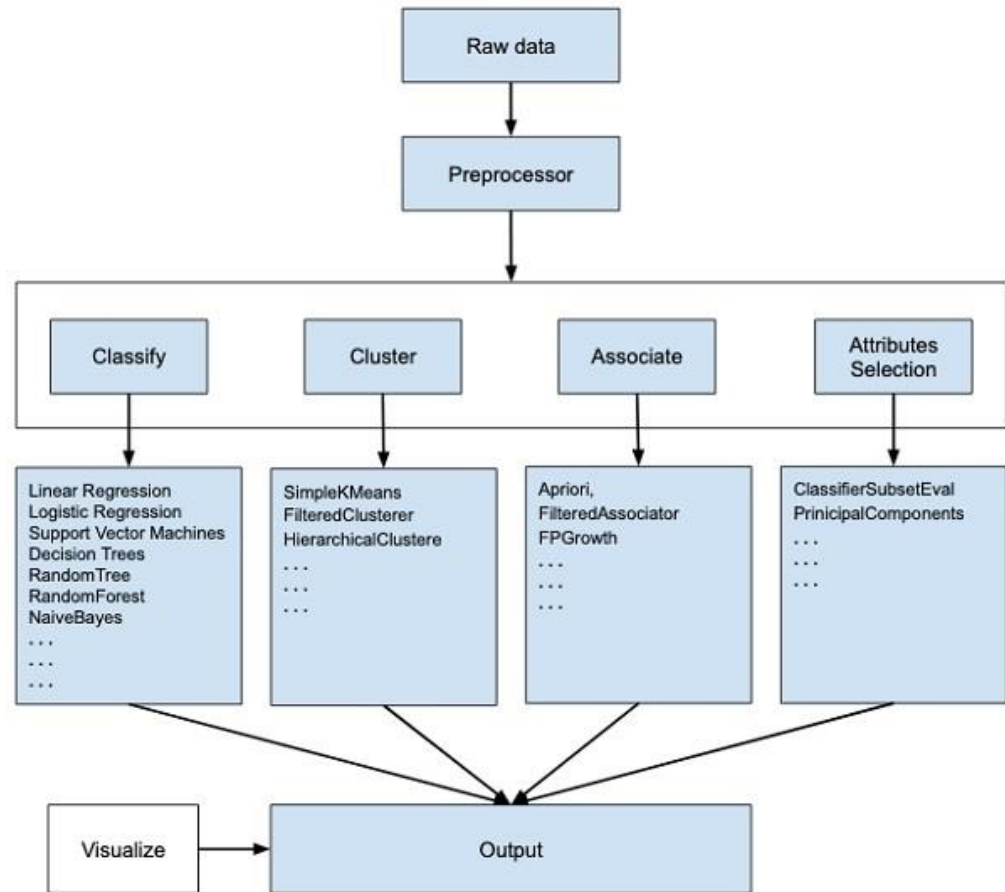


Semester	T.E. Semester VI – Computer Engineering
Subject	Data Warehousing and Mining
Subject Professor In-charge	Prof. Kavita Shirsat
Assisting Teachers	Prof. Kavita Shirsat
Laboratory	M-312B

Student Name	Vibodh Bhosure
Roll Number	20102A0032
Grade and Subject Teacher's Signature	

Experiment Number	07
Experiment Title	Perform data pre-processing task and demonstrate Classification and Clustering on data set using data mining tool (Weka)
Resources / Apparatus Required	Hardware: Computer system
	Software: Weka
Description	What is Weka tool ? WEKA - an open source software provides tools for data preprocessing, implementation of several Machine Learning algorithms, and visualization tools so that you can develop machine learning techniques and apply them to real-world data mining problems. What WEKA offers is summarized in the following diagram –



Classification :-

Classification of the data mining system helps users to understand the system and match their requirements with such systems.

Clustering :-

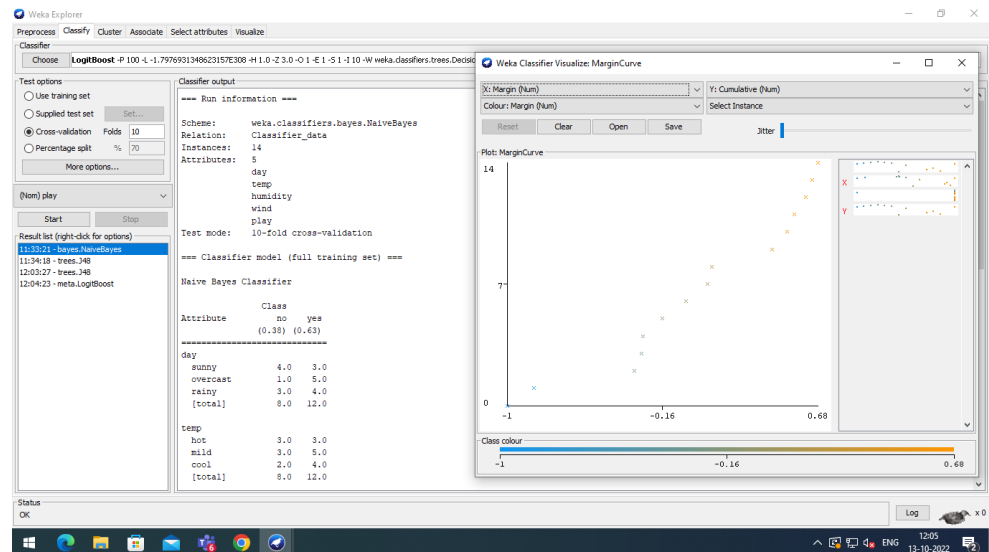
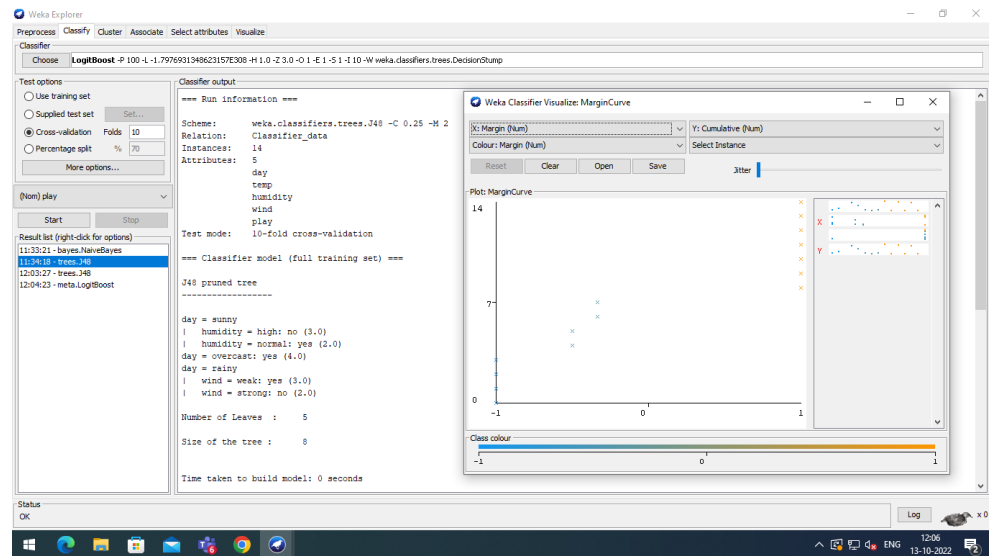
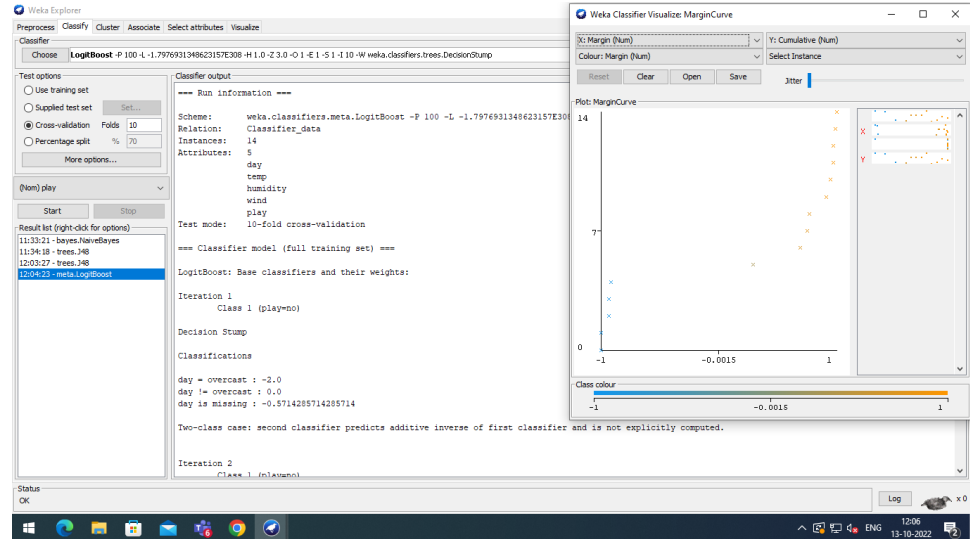
The process of making a group of abstract objects into classes of similar objects is known as clustering.

Associate :-

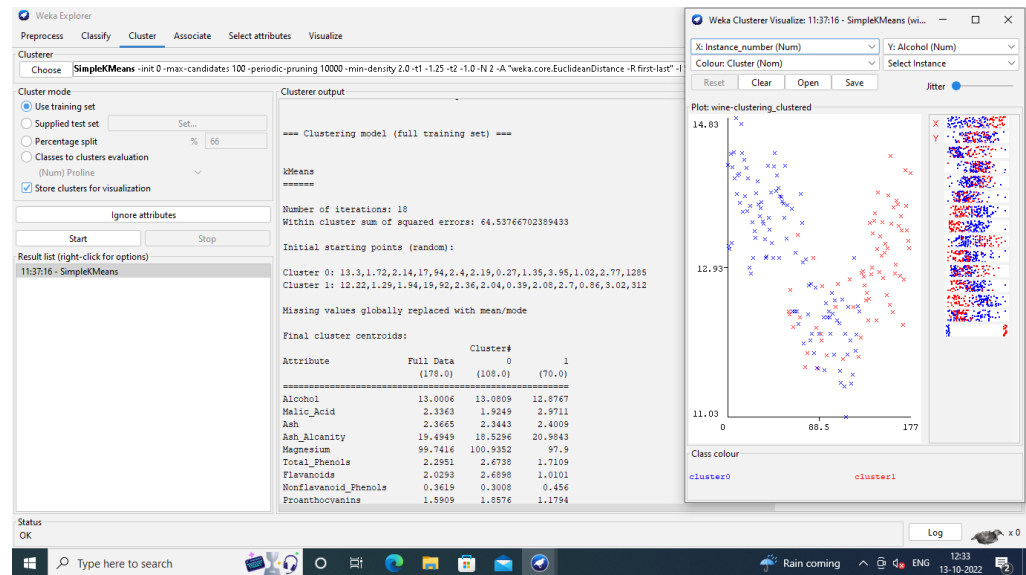
Association Mining searches for frequent items in the data set. In frequent mining usually the interesting associations and correlations between item sets in transactional and relational databases are found. In short, Frequent Mining shows which items appear together in a transaction or relation.

Implementation
:-

Classification -



Clustering :-



Conclusion :-

Here we implemented datamining task of classification and clustering on the weka tool over the data set provided by us and obtained visual plots