**Walchand College Of Engineering, Sangli.**

(An Autonomous Institute)

Department of Computer Science and Engineering

**TY B.Tech. (CSE) – II [ 2021-22 ]**

**Software Engineering Tools Lab**

**Assignment 1**

**Report on**

Data preprocessing, classification and visualization using weka software

Submitted by

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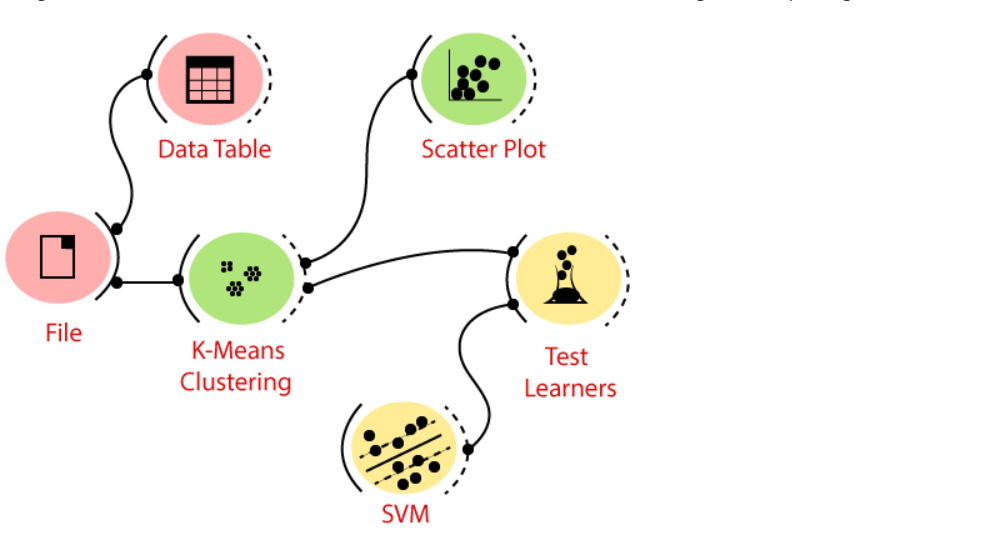
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**Abstract**

Orange is a C++ core object and routines library that incorporates a huge variety of standard and non-standard machine learning and data mining algorithms. It is an open-source data visualization, data mining, and machine learning tool. Orange is a scriptable environment for quick prototyping of the latest algorithms and testing patterns. It is a group of python-based modules that exist in the core library. It implements some functionalities for which execution time is not essential, and that is done in Python.

## Introduction



Above model shows how orange software visualize.

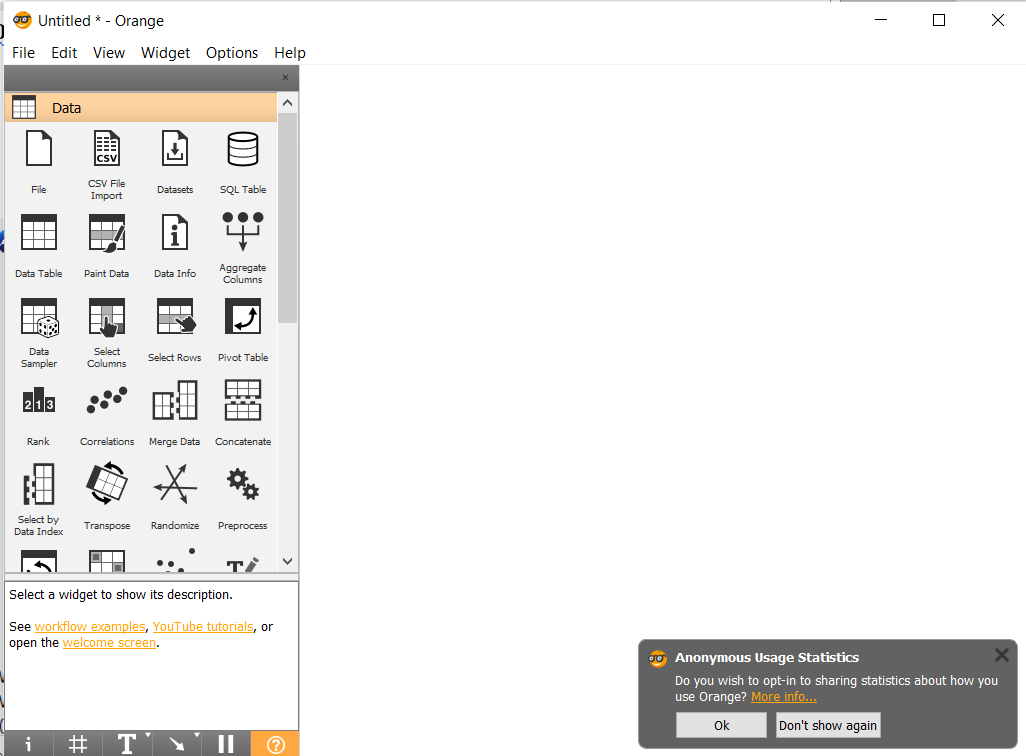
**Objectives**

1. Understanding why orange software use
2. Understanding the how the to visualize data using orange software

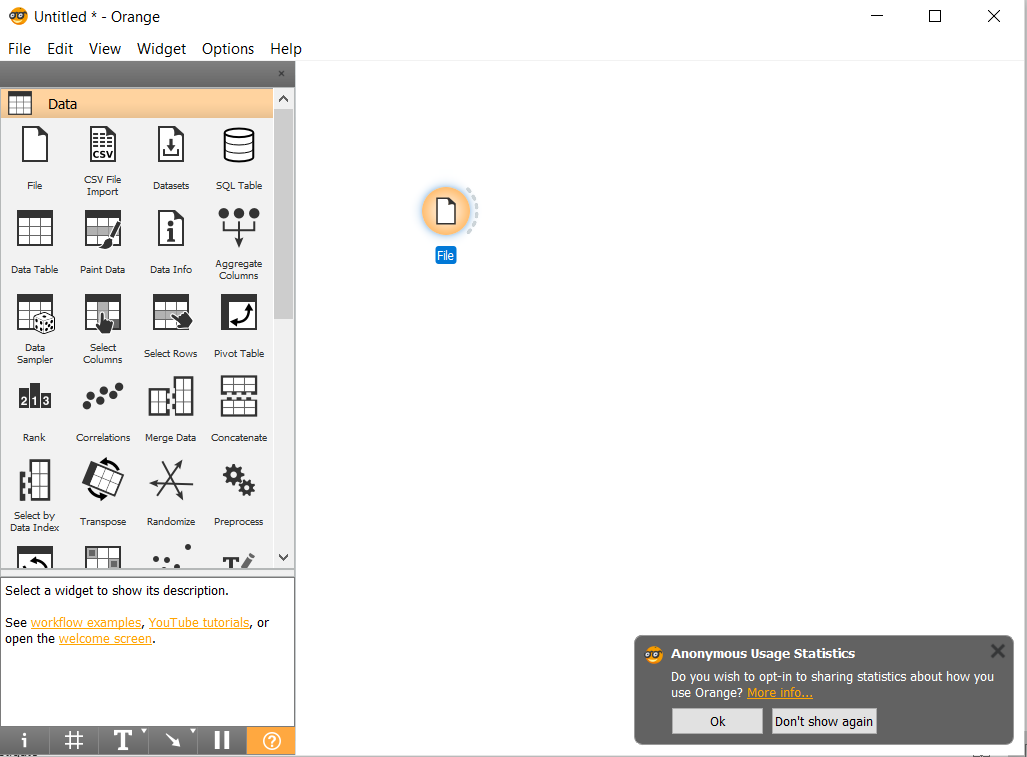
**Working :**

step 1 : Install orange software on your system

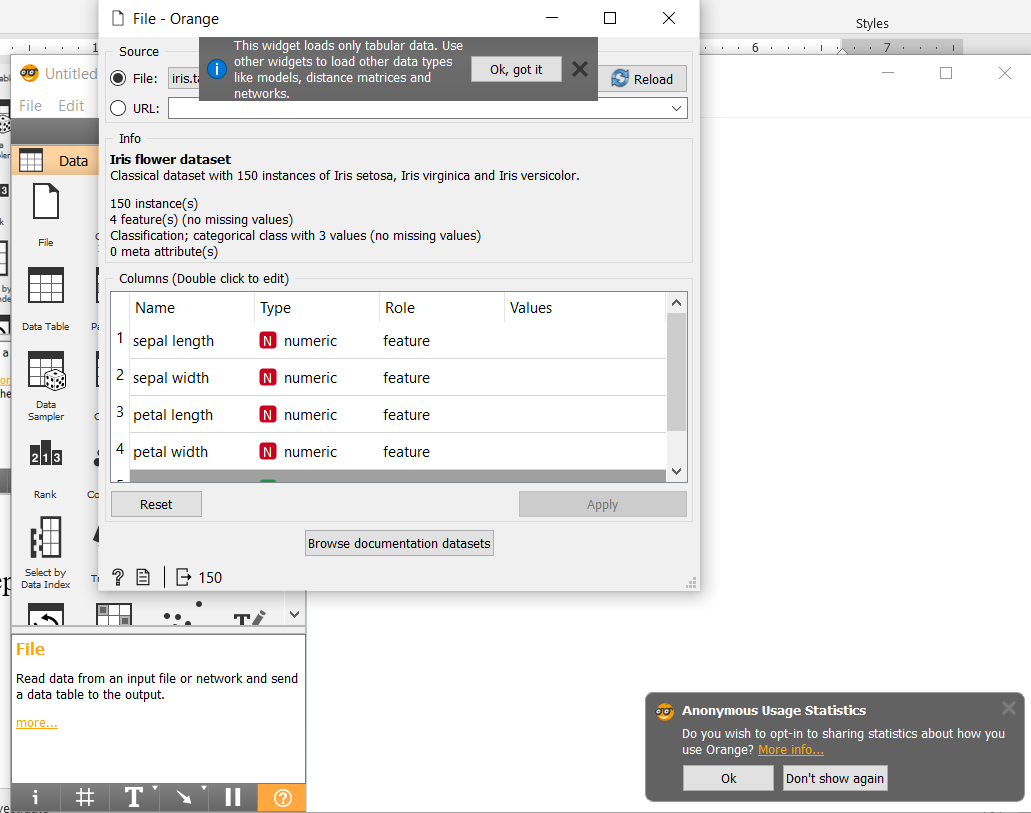
step 2: After installing open the orange software and you will see this type of interface



Step 2: to open file click on file

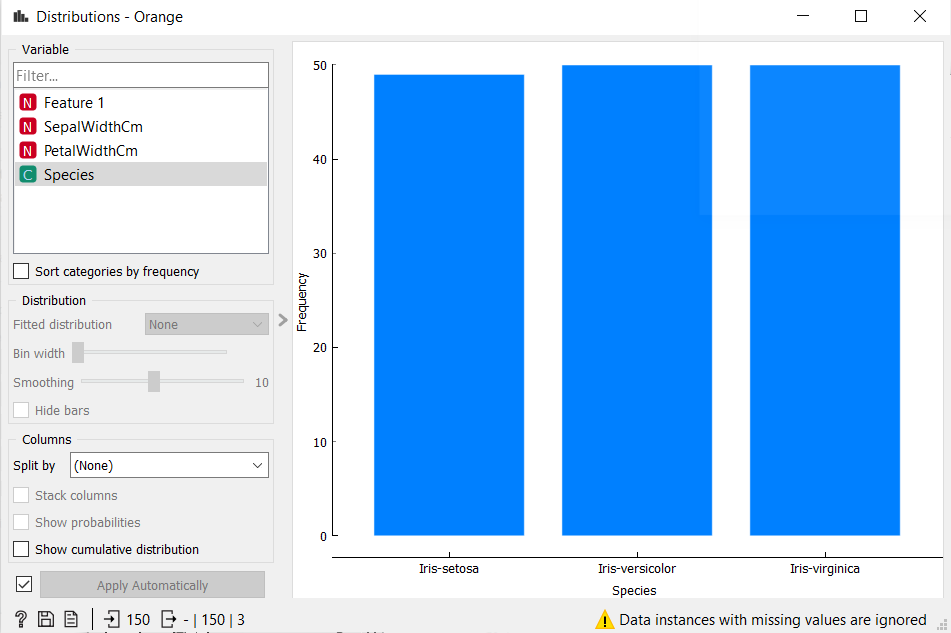


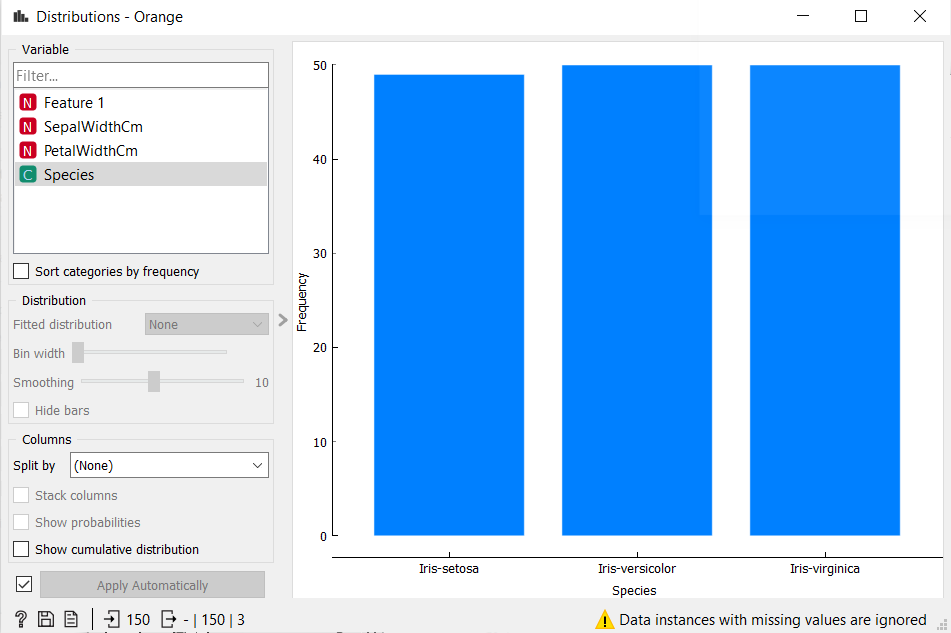
Step 3 : Double click on newly visible file and select target file that you want visualize



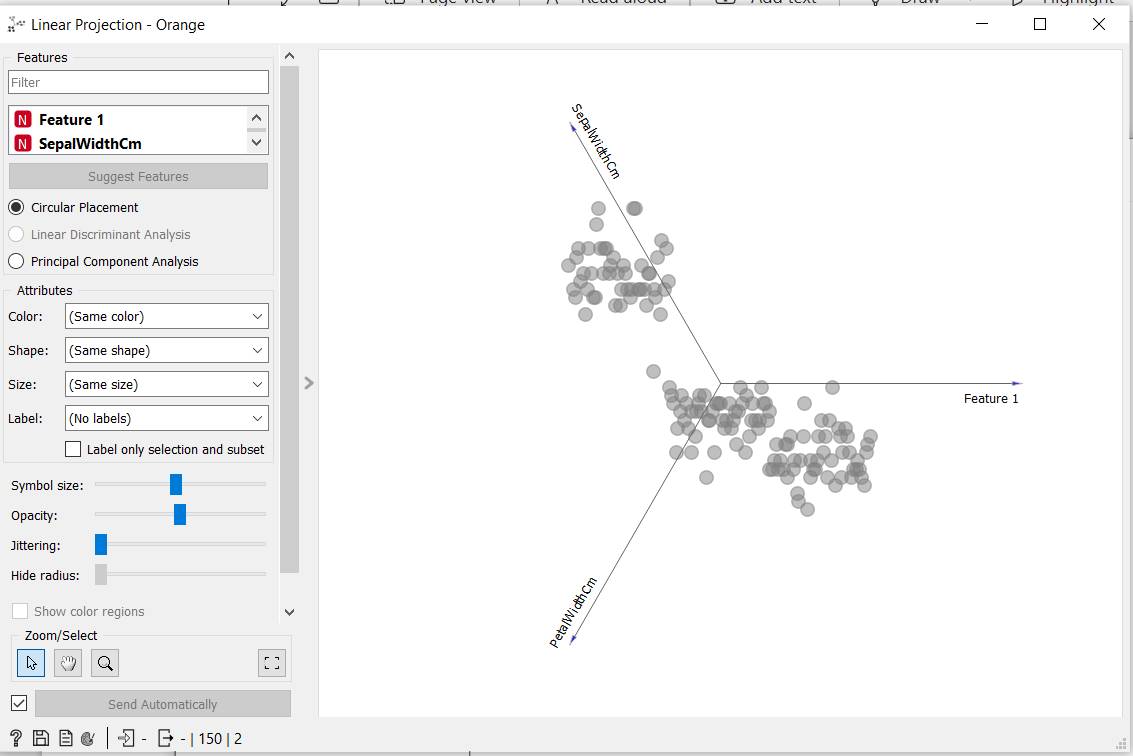
Step 4 : After that right side half curve around the file and move anywhere and choose data visualization method and you will see data according that format

**Data Distribution**

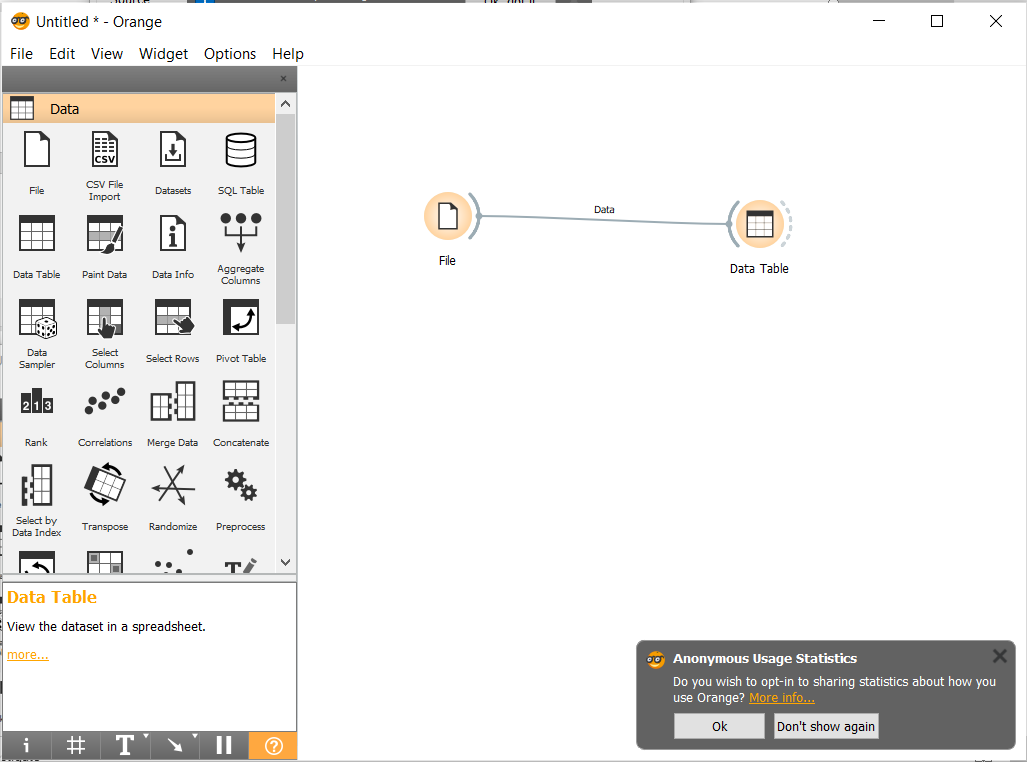


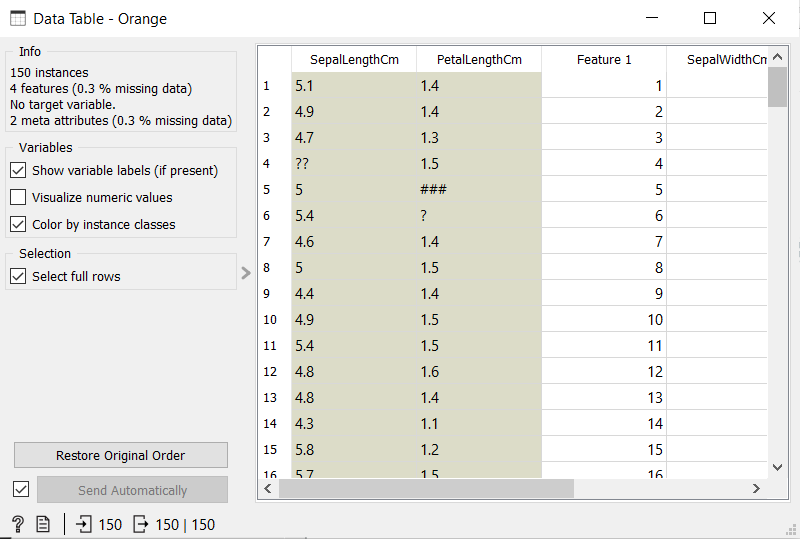


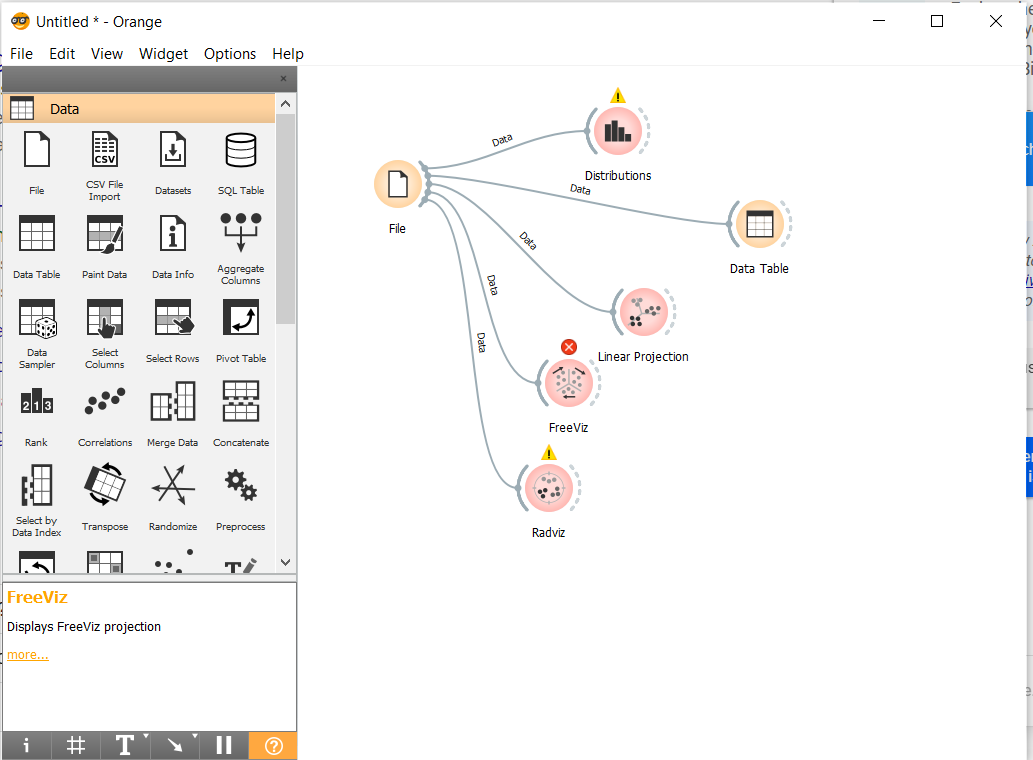
**Show linear projection**



Below are the some the other method for used by me visualization







# Conclusion

We learn data visualization in orange software .

**References**

**https://orangedatamining.com/**