

## Assignment 1

# Study of platform for Implementation - WEKA

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## AIM

Download the open source software of your interest. Document the distinct features and functionality of the software platform. You may choose WEKA or R or Python

## Introduction

### What is Weka ?

It is an open source software that 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

### Its Features

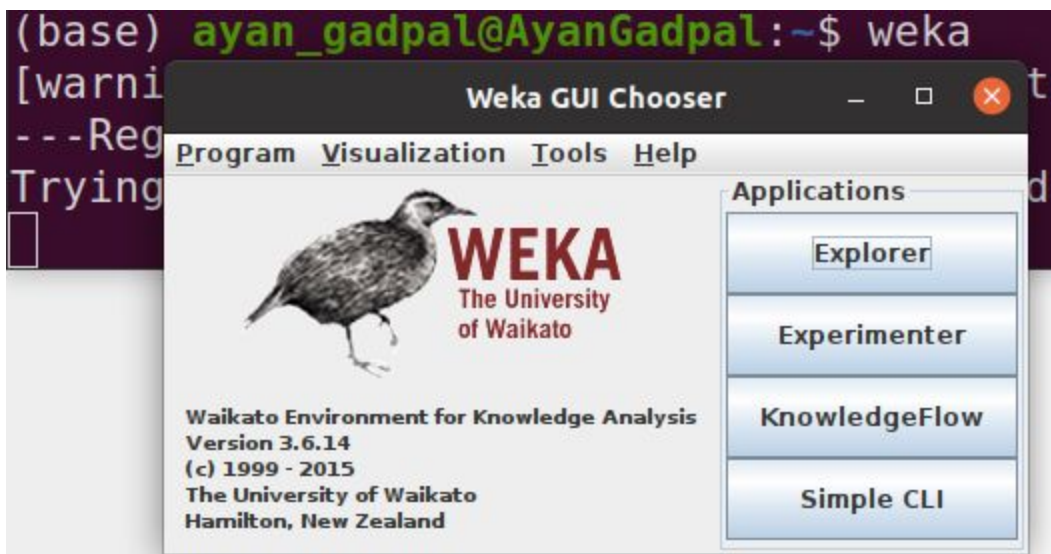
- Preprocess
- Classify
- Cluster
- Associate
- Select Attributes
- Visualize

## Installation

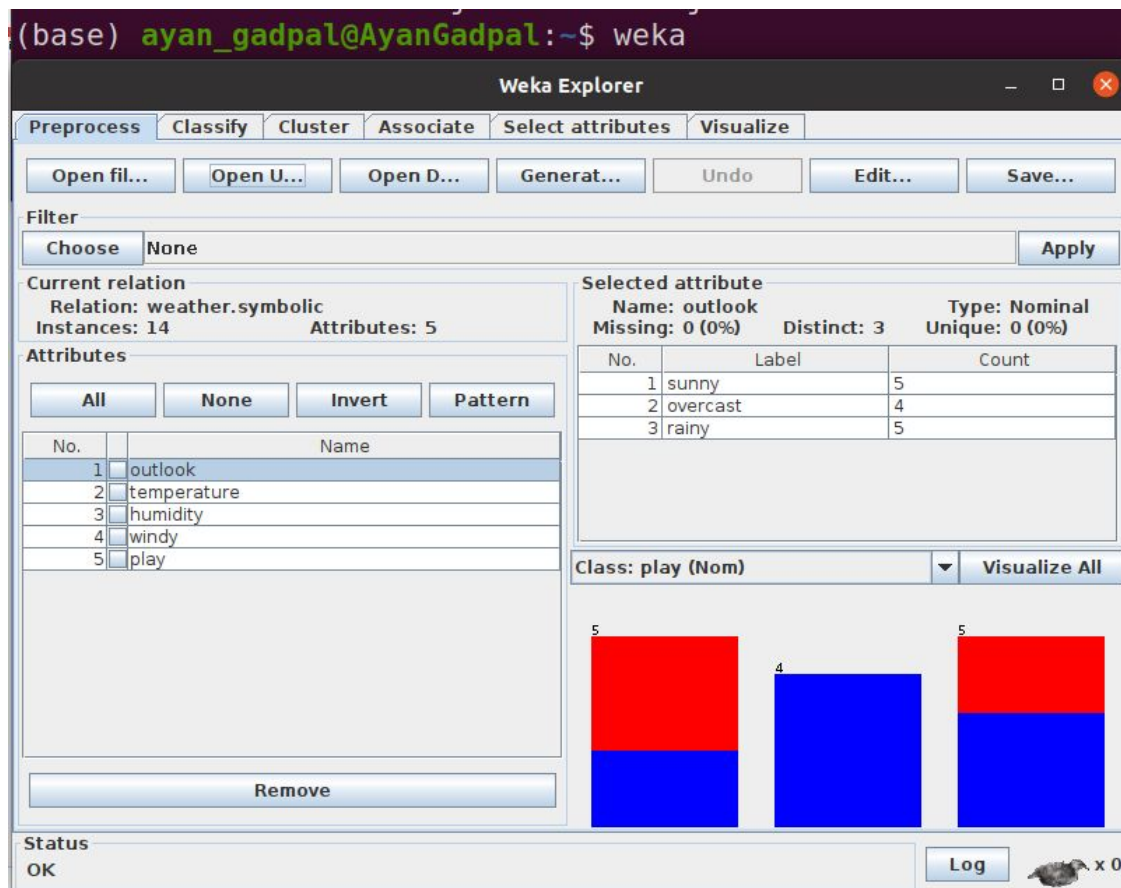
1. Update and Refresh Repository Lists with “sudo apt update”
2. Install with “sudo apt-get install -y weka”

```
(base) ayan_gadpal@AyanGadpal:~$ sudo apt install weka
[sudo] password for ayan_gadpal:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  cup java-wrappers
```

3. Run GUI with “weka”



## Demo



## Conclusion

Weka is a comprehensive software that lets us preprocess the big data, apply different machine learning algorithms on big data and compare various outputs. This software makes it easy to work with big data and train a machine using machine learning algorithms.