



WEKA

The workbench for machine learning

## **DOWNLOADING & INSTALLING WEKA**

### **What is WEKA?**

Weka 3: Java-based Machine Learning Software

Weka is a library of machine learning techniques for performing data mining tasks. It includes data preparation, classification, regression, clustering, mining of association rules, and visualisation tools.

The Weka, which is found exclusively on the New Zealand islands, is a flightless bird with an inquisitive nature. This is how the name is pronounced as the bird sounds. Weka is free software distributed under the terms of the GNU General Public License (GPL).

### **System Requirement:**

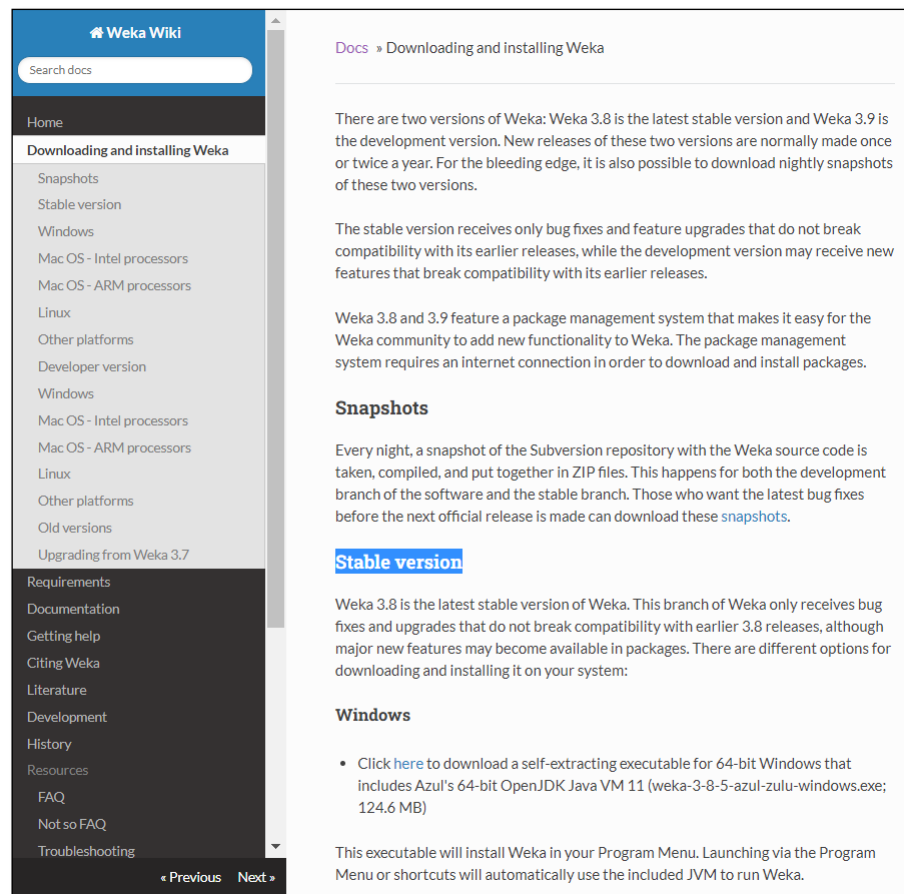
- Weka is available in two versions: Weka 3.8 is the most recent stable release, while Weka 3.9 is the development version. These two versions are often updated once or twice a year. Additionally, nightly snapshots of these two versions are available for the bleeding edge.
- While the stable version only gets bug fixes and feature upgrades that do not break compatibility with previous versions, the development version may receive new features that break compatibility with previous releases.
- Weka 3.8 and 3.9 have a package management system that enables the Weka community to easily extend Weka's capabilities. To download and install packages, the package management system needs an internet connection.
- Please go for the **Stable version (3.8)** as recommendation.

For comprehensive instructions on installing WEKA, see:

<https://www.cs.waikato.ac.nz/ml/weka/>

### **WEKA Installation (64-bit Windows):**

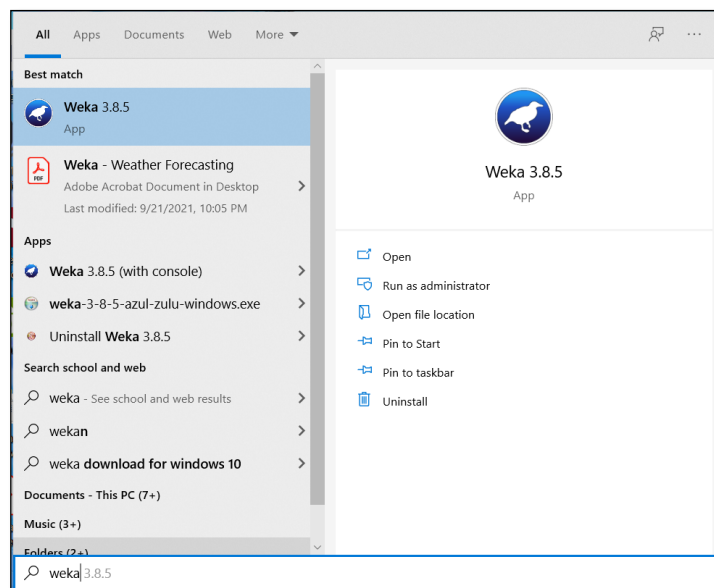
1. Go to [https://waikato.github.io/weka-wiki/downloading\\_weka/](https://waikato.github.io/weka-wiki/downloading_weka/) (Weka Wiki, n.d.).
2. On the WEKA download webpage, chooses the package that suit with your computer version. Check your computer's settings and download the latest stable version of WEKA (currently 3.8) from this website.



3. After you have downloaded the package, double click on the icon to start the installation process.



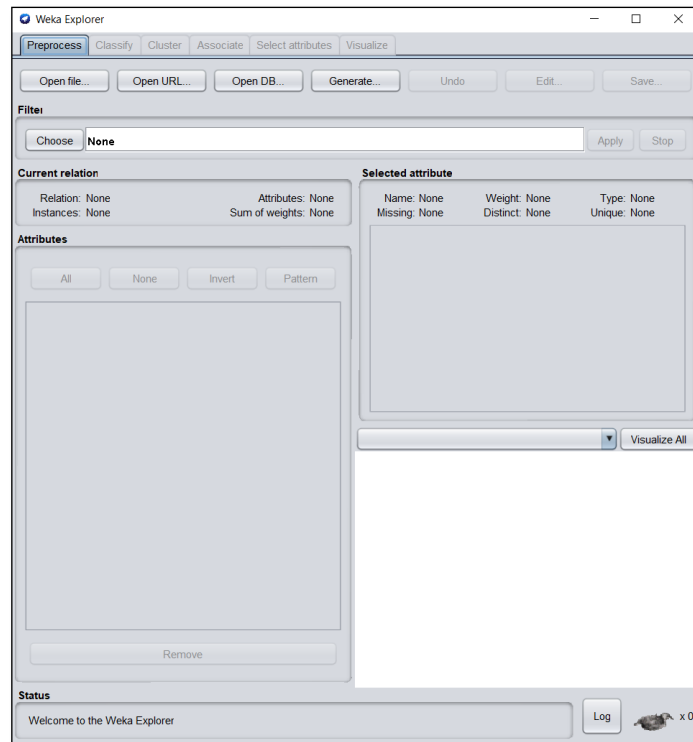
4. Follow the prompts for the installation and WEKA will be added to your Program Menu.



5. Start WEKA by clicking on the bird icon. WEKA's graphical user interface (GUI) has five tabs: Explorer, Experimenter, KnowledgeFlow, Workbench, and Simple CLI.



6. Click Explorer button. The WEKA Explorer windows display a variety of tabs, beginning with preprocess. Initially, the preprocess tab is enabled, since the data set is preprocessed before algorithms are used and the dataset is examined.



A series of free online courses that teach machine learning and data mining using Weka can be found here:

- <https://www.cs.waikato.ac.nz/ml/weka/courses.html>

YouTube has the videos for the classes.

- <https://www.youtube.com/user/WekaMOOC>

Read the Frequently Asked Questions (FAQ).

- <https://waikato.github.io/weka-wiki/faq/>

To learn more about troubleshooting, click on the link.

- <https://waikato.github.io/weka-wiki/troubleshooting/>