

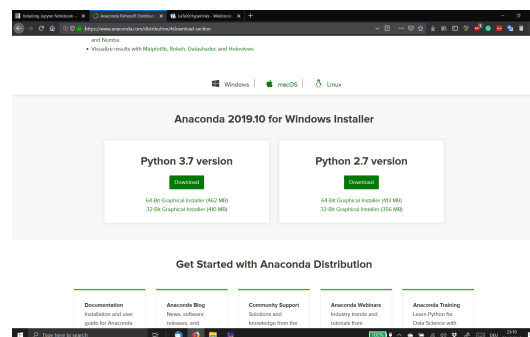
Installing JUPYTER Notebook

I strongly advice that you bring your laptop with JUPYTER notebook system installed to our tutorial classes. This will help us learn better and also improve your learning of solving computation problems using Python programming language. I recommend you several methods that you can use to install JUPYTER notebook to WindowsTM system. Please contact me for installing it to other OS's (Mac OSTM, Linux etc).

The recommended method – Using Anaconda

Anaconda is a free and open-source[5] distribution of the Python and its components programmes such as JUPYTER to several OS's. It is probably the easiest way to install and manage JUPYTER notebook. Perform the following steps to install Anaconda/Python/JUPYTER:

1. Visit Anconda site [here](#)
2. Download Python version 3+. Avoid version 2+ as it will be outdated by year 2020



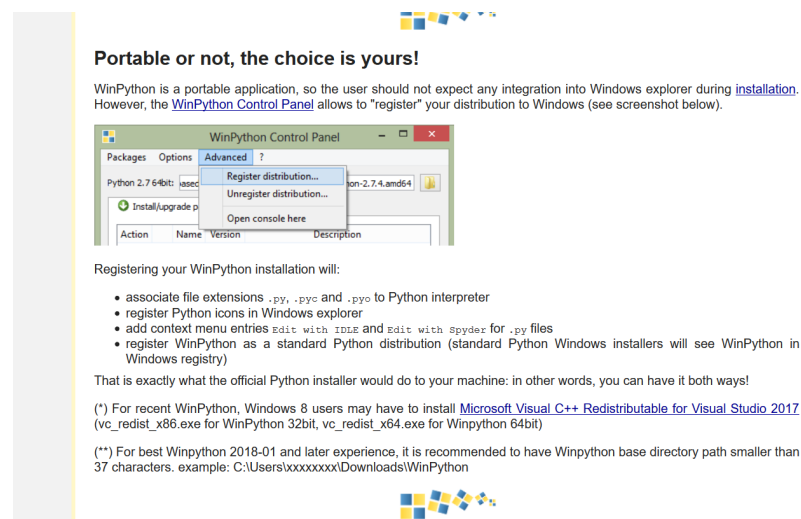
3. The download size is 400+ MB and included almost all libraries that is generally required for normal level computational work.
4. The downloaded package contains *.exe file that can be used to install Anaconda.
5. Proceed with default installation options during installation.
6. Once installed JUPYTER notebook will be available in WindowsTM menu.

JUPYTER notebook runs in the browser. It will start in the default browser of the OS. This can be changed.

A good method – Using WinPython

WinPython is another very good method to get started with JUPYTER notebook available to your laptop. With WinPython no file is installed to your system, rather a large file with all requirements for using Python/JUPYTER executable (*.exe) are provided. Perform the following steps to get WinPython in your system:

1. Visit WinPython site [here](#)
2. Download stable Python version 3+ available
3. The download size is 400+ MB and included almost all libraries that is generally required for normal level computational work.
4. The downloaded package contains *.exe file that can be used to extract Python/JUPYTER to your laptop. You can extract the file in any folder in your system.
5. It is recommended that you register the WinPython to your system. This can help the beginners. To do that, use WinPython Control Panel and follow the default steps.



6. Once installed JUPYTER notebook will be available in WindowsTM menu.

WinPython is a good method but Anaconda is still recommended as updates are more frequent and community supports are larger.

An expert method – not for beginners of Python

Not recommended as this method requires that you have a good understanding of OS and beside you need to install libraries as and when required. Good part is that this method will require less hard-disk space than other methods. Perform following steps to install Python/JUPYTER using this method:

1. First step - Install Python 3.5+ from this [here](#)
2. Ensure to check the Add Python to PATH option during installation

Install Python

Once it has downloaded, double-click on the installer, you will be presented with the following:



Note: You must ensure that you select **Add Python 3.5 to PATH** and then select **Install Now**.

If the setup ran successfully, you should see a message “Setup was successful message.”

3. JUPYTER then should be installed from “**command prompt**” by using the command `python3 -m pip install jupyter` followed by `python3 -m pip install jupyter`
4. Similar commands have to be used to install Python Packages such as Numpy, Scipy etc.

Other methods – e.g., Online JUPYTER notebook

JUPYTER notebook is provided by several online providers. More often these providers provide limited version of JUPYTER system for free. The free version may already be sufficient for our purpose. Few JUPYTER providers and their weblink is provided below.

1. Enthought-CanopyTM - This is not an online provider but Anaconda like distributor. They provide complete Python system with JUPYTER for local system. Enthought-CanopyTM can be [downloaded from here](#).
2. Google ColabTM: A very good online JUPYTER notebook system from Google. Check it [here](#).
3. CoCalcTM: CoCalcTM supports very good implementation of JUPYTER notebook. Limited cost-free option can be a good option. CoCalcTM can be obtained from [here](#).
4. Microsoft AzureTM: This, can be obtained from [here](#), provide a very good option to get started with JUPYTER notebook.