

How to install latest Python and Jupyter via Mini-conda

The following steps are given assuming you are a new user and have neither python nor jupyter. For our purpose miniconda is used, a lightweight version of anaconda

Windows

- Install miniconda3 from [this link](#)
- (recommended) choose all the default options
- open from Start menu *Anaconda prompt (miniconda3)*
- do some updates by typing

```
conda update conda
conda update --all
```
- type

```
conda install scikit-learn matplotlib jupyter jupyterlab pip git
```

in order to install *Jupyter Notebook*, *Jupyter Lab*, some useful packages and all dependencies
- now you can install some Jupyter extensions

```
conda install -c conda-forge jupyter_contrib_nbextensions
conda update conda
conda update --all
```
- now you're done and you can open Jupyter directly from Start menu (it will open as a tab in your browser). If you like it more you can also open *Jupyter Lab* from anaconda prompt typing `jupyter lab`

Linux (supposing ubuntu or similar distributions)

- Open your terminal
- install *miniconda* by typing the following lines

```
cd ~
wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh
chmod +x Miniconda3-latest-Linux-x86_64.sh
sh Miniconda3-latest-Linux-x86_64.sh
rm Miniconda3-latest-Linux-x86_64.sh
```

it is recommended to install *miniconda* in the default location. At the end of installation you will be asked to initialize miniconda: type **yes**

- now you will notice in your terminal `(base)` before your user
`(base) user@pcname:~$`
 this only means you are in the conda base environment (the default working environment). If you're bothered by it you can simply write `conda deactivate` to disable it (to enable it again `conda activate`). To disable it at the startup just type
`conda config --set auto_activate_base false`
 but this is not a necessary step
- do some updates by typing
`conda update conda`
`conda update --all`
- having base environment activate (so you should have `(base) user@pcname:~$`) type
`conda install scikit-learn matplotlib jupyter jupyterlab pip git`
 in order to install *Jupyter Notebook*, *Jupyter Lab*, some useful packages and all dependencies
- now you can install some Jupyter extensions
`conda install -c conda-forge jupyter_contrib_nbextensions`
`conda update conda`
`conda update --all`
- you're done! To start jupyter just type `jupyter lab` or `jupyter notebook` depending on which you like more

How to install modules

During programming you will often encounter this kind of error due to a missing module

```
ModuleNotFoundError: No module named 'MODULENAME'
```

and to overcome it you have just to type, in your terminal or in conda prompt
`conda install MODULENAME`