

H1 How to install Python

H2 On Linux

If you're using Linux, you can simply install it through your system's package manager.

Using Arch

```
sudo pacman -S Python
```

Using Debian/Ubuntu

```
sudo apt install Python3
```

Using Fedora

```
sudo dnf install Python3
```

Yes, the `3` at the end is important, otherwise you might end up installing Python 2.

H2 On Windows

You can find the latest Python release on the official Python website

<https://www.Python.org/downloads/windows/>

Install the latest Python3 release, as of March 20th 2024 it's version v3.12.2. Can be found here <https://www.Python.org/downloads/release/Python-3122/> (the Windows installer can be found at the end of the webpage).

H1 How to install Jupyter Notebook

Once you've installed Python installing Jupyter is a trivial task.

```
pip install Jupyter
```

After having installed Jupyter you can start the webserver that will let you view your notebooks.

```
Jupyter notebook
```

The webserver should now be running on `127.0.0.1:8888`. Simply visit <http://127.0.0.1:8888> from your browser of choice (Firefox, Chrome, etc...).

H1 Late to the party

If you haven't been provident you might find yourself reading this install guide during the Python talk itself. If that's the case and you find that `PoliMi`'s wi-fi network is not being cooperative you might opt to use an online solution. (We strongly discourage this approach, but it is available).

H2 Using an online REPL

You can use an online environment that allows you to use both a text editor and the REPL. One of such services can be found on <https://replit.com/>. To use `replit` you'll need to create an account, once you've logged in you may start using the Python REPL by clicking on the button `+ Create Repl` on the top left of the webpage, in the search bar for the template search `Python` and then create the Repl.

H2 Using binder

During the talk we'll be using Jupyter notebooks, these are different from a traditional REPL. If you want to use an environment that is the closest to the one used in the course but online, you may consider using `binder` <https://mybinder.org/>. Once on the webpage, in the `Build and launch a repository` section, click on the dropdown menu and select `Git repository` instead of `GitHub`. In the text box insert the URL provided by the speaker and then launch the environment.

We also discourage this approach for the simple fact that mybinder is not the

fastest service out there, and if each student launches it's own environment it won't be any faster than installing Jupyter on your own machine.

H1 Final remarks

If you encounter any kind of problem while installing Python or Jupyter don't hesitate to call a [POuL](#) member to help you out.