Visual Studio Code for Ubuntu
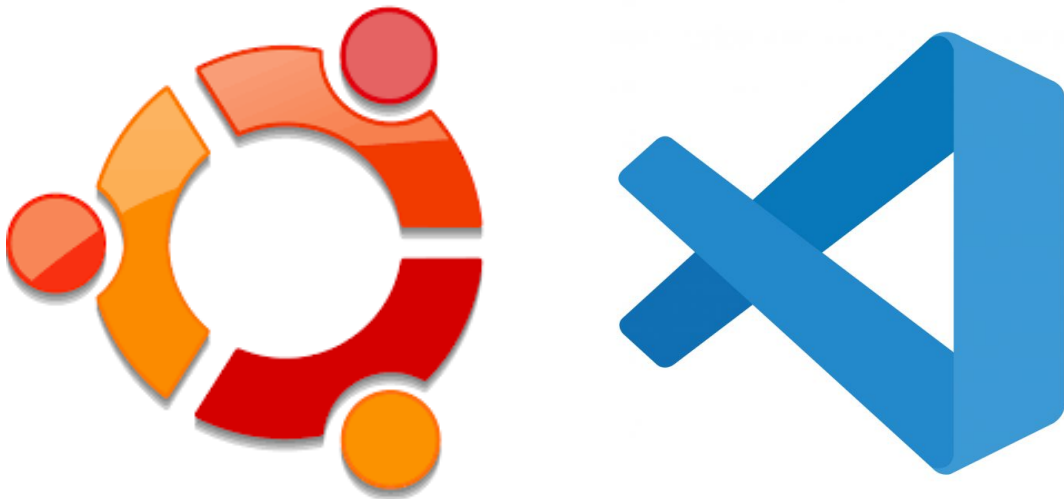
https://gogs.elic.ucl.ac.be/pbarriat/learning-vscode

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UCLouvain

What is Visual Studio Code ❓

Visual Studio Code (VS Code) is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux.

It has a rich ecosystem of extensions for languages (such as C++, Fortran, Java, Python, etc) and runtimes (Git, Jupyter, etc)

VSC is one of the most popular and powerful text editors used by software engineers today

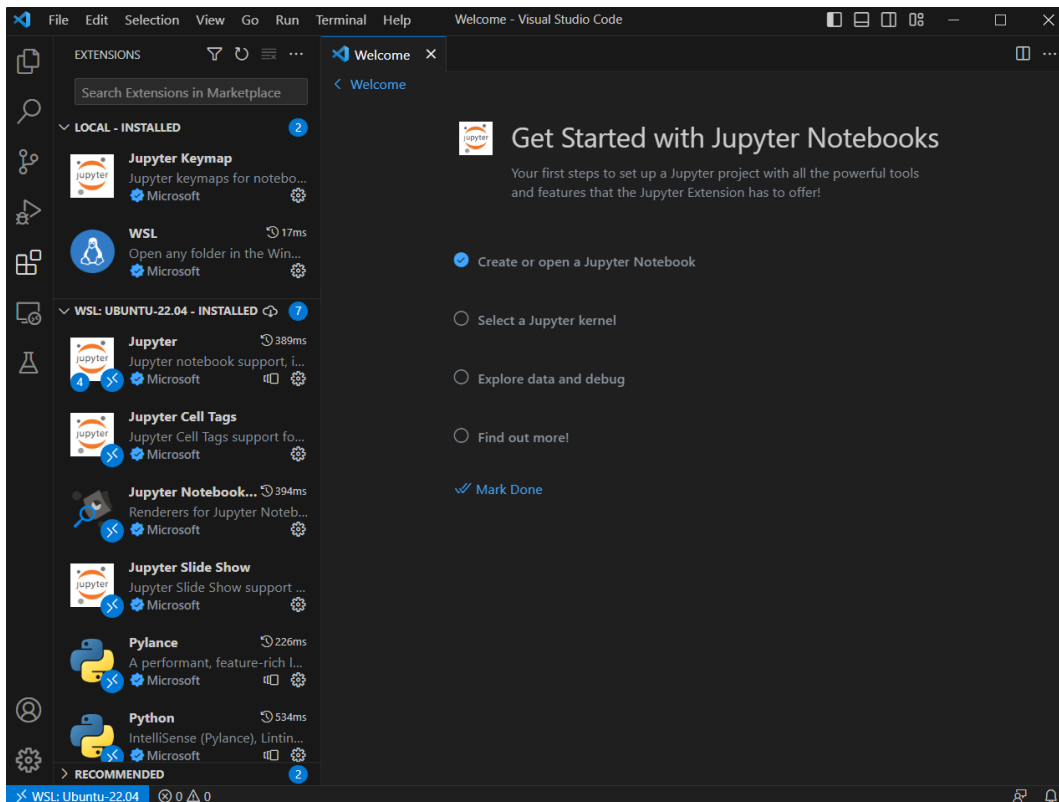> free, open-source and available for macOS, Windows and Linux 👍

VS Code

You can install Visual Studio Code from the web link here

`wget` the **deb** package then `dpkg -i code*.deb`
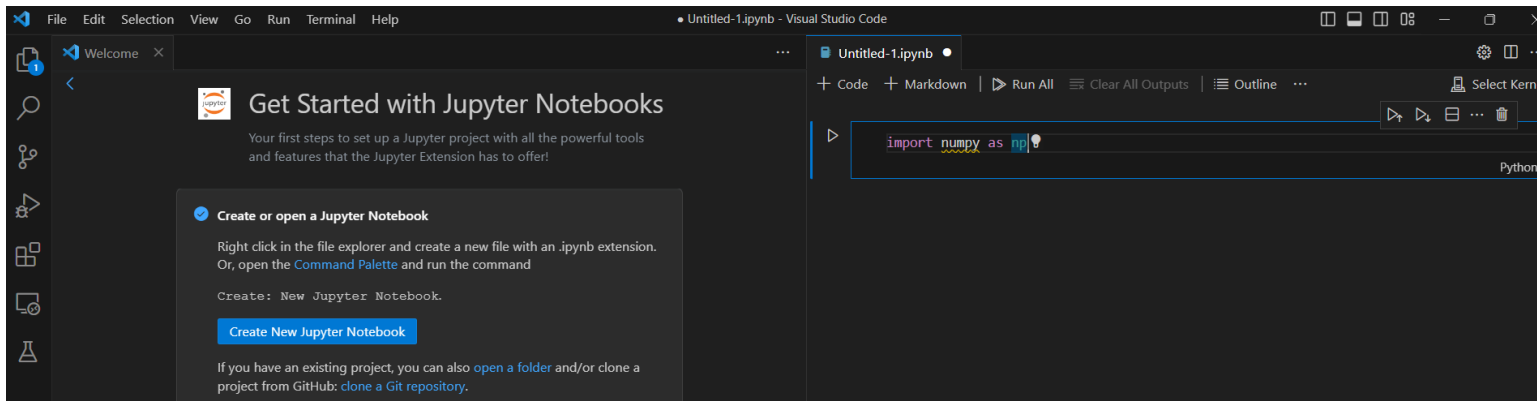
That's it ! 😃

Install extensions

- Python

- Jupyter

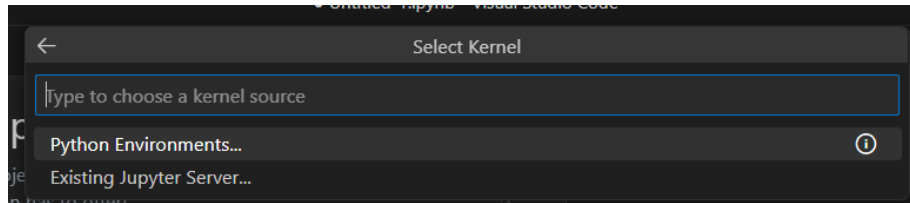# Jupyter Notebook in VS Code

Create a new Juyter Notebook

Fill the first cell

```python
import numpy as np
```

Try to run the cell

> you must choose a Python environment first (Python 3.6)
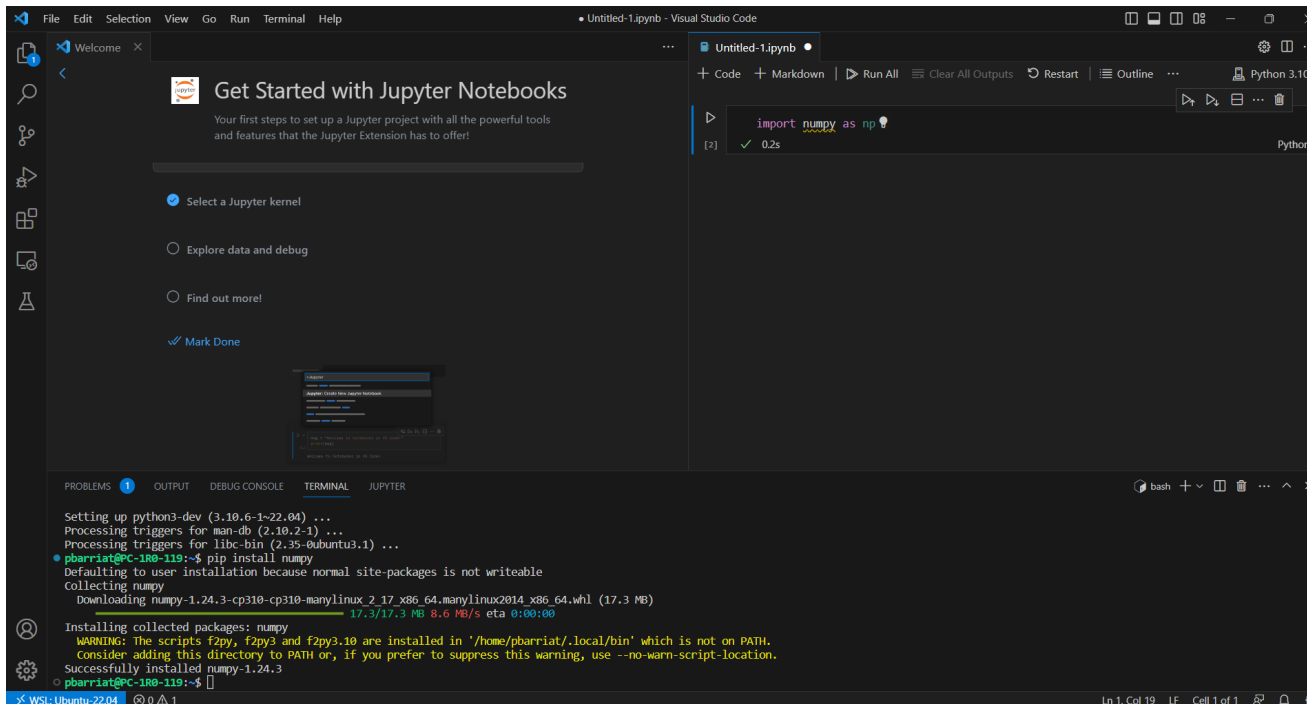>
>

If 💥 ... maybe you must install a missing extension !

So open a **terminal** in VS Code an do

```
sudo apt install python3-pip
```

Now, install the missing Python extension ...

```
pip instal numpy
```


... and run the cell again: great, it's OK now 😃

Let's try a full notebook example

Install Git : `sudo apt install git -y`

Now clone this **Git repository**

```
git clone https://gogs.elic.ucl.ac.be/pbarriat/learning-vscode
```

> You don't already know what's Git ❓
>
> Shame on you ! 😖
>
> **It's not to late**: take a look here
>
> https://gogs.elic.ucl.ac.be/TECLIM/Git_Training

Now open the file `example.ipynb`

The first cell implies you must install some requirements

To run this example, install the extensions below

```
pip install netCDF4
sudo apt install libgeos-dev libgdal-dev
pip install cartopy
```

Now, try to run all the cells of this notebook ❗

Visual Studio Code for Ubuntu 💬