

[Mathematics for Sustainability \(part 2\)](#)
/ [Installing Python 3 on your own computer](#)
/ Installing Python 3 - Linux

Installing Python 3 - Linux

All the software you need for Python is free. I try to explain here what your options are.

Hopefully if you are a Linux user, you know enough to find your own installation for Python and an editor. You likely have Python installed already.

Python version

Make sure you are running Python 3 not Python 2. Open the Terminal and type `python --version`.

Extra packages

Whether you installed Python or it was already installed, you may need to install extra packages using a program called pip that should come with Python and runs in the Terminal.

Please open the Terminal and run

```
python -m pip install --user numpy scipy matplotlib  
sympy
```

to get a set of mathematical and scientific packages.

Editor

You need both Python and an editor. I use Ubuntu and used to just edit with gedit and run Python from the command line, but now I've taken to using VSCodium. I've also installed Spyder and used it as an IDE just fine, and IDLE works fine too. Other options are available.

It is now time to move to the 'Python basics' notes.