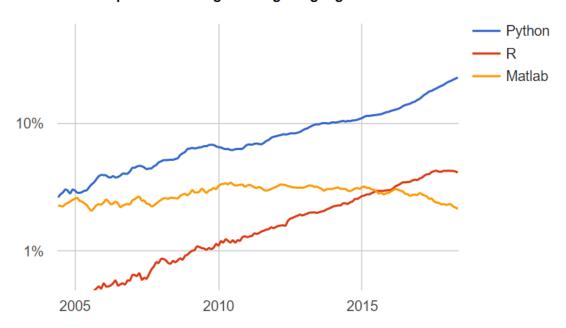
Python

PYPL PopularitY of Programming Language



Python is a general purpose and high level programming language. It is not a compiled language. It favors structured programming based on scripts, functional programming and object oriented programming.

Workshops: "methodology"

During these workshops, you can decide to either:

- 1. Run and use Python from your current OS
- 2. Run and use Python from a Linux Virtual Machine

Ideally, it is a good opportunity to use a Linux Virtual Machine



But, we are going to get started with a Python distribution.

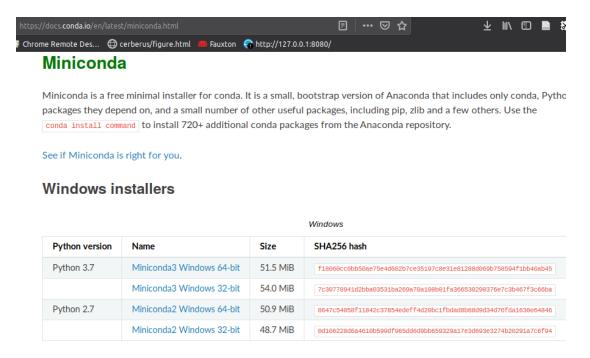
The two pythons

```
ilyass@tx1:~$ python2
Python 2.7.16 (default, Apr 9 2019, 04:50:39)
[GCC 8.3.0] on linux2
Type "help", "copyright", "credits" or "license" for more
>>> 2 + 2
4
>>> exit()
ilyass@tx1:~$ python3
Python 3.6.8 (default, Apr 9 2019, 04:59:38)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more
>>> 2 + 2
4
>>> exit()
```

Python2 is still supported until 2020. Python3 has been around since 2008. We will be using Python3.

Anaconda / Miniconda

Anaconda provides easy access to a large amount of scientific packages for the R or Python languages. Miniconda is a lightweight version of Anaconda, only the essential packages



Download Miniconda Python 3 for your OS and install it.

Prompt shell

Start your Anaconda Prompt, then load Python.

```
Anaconda Prompt - python

D:\soft\Anaconda_Python_Install\Scripts\activate.bat' is not recognized as an internal or external command, operable program or batch file.

C:\Users\Admin>python
Python 3.6.4 |Anaconda, Inc.| (default, Jan 16 2018, 10:22:32) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.

>>> print("Hello World");
Hello World

>>> __
```