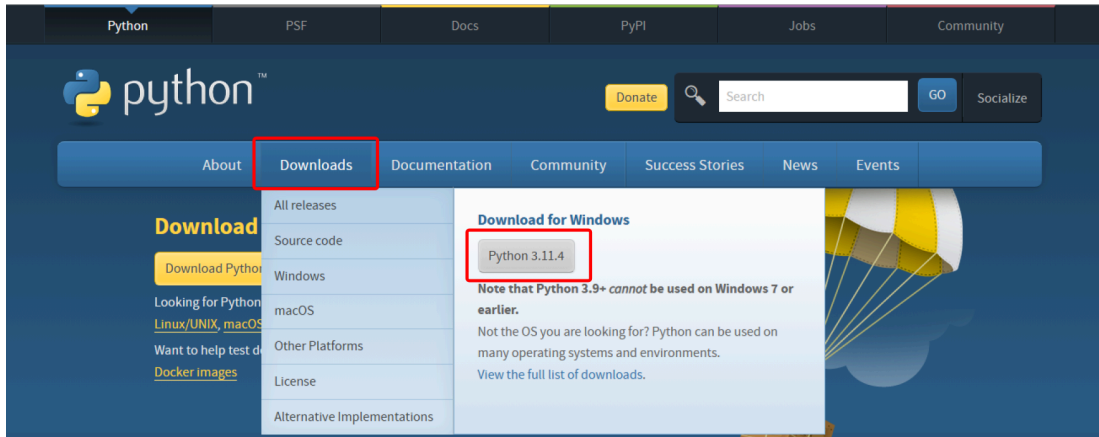


Python

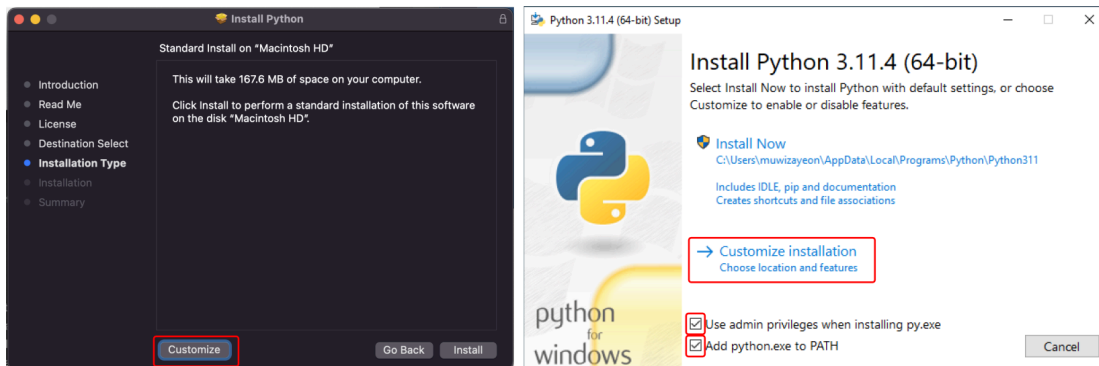
[Python](#) is the programming language that is widely used to develop various applications. It is also a powerful tool for statisticians, data scientists, or data mining and management engineers. I do not introduce any details about Python but only a way to [Installing JupyterLab](#).

Installing Python

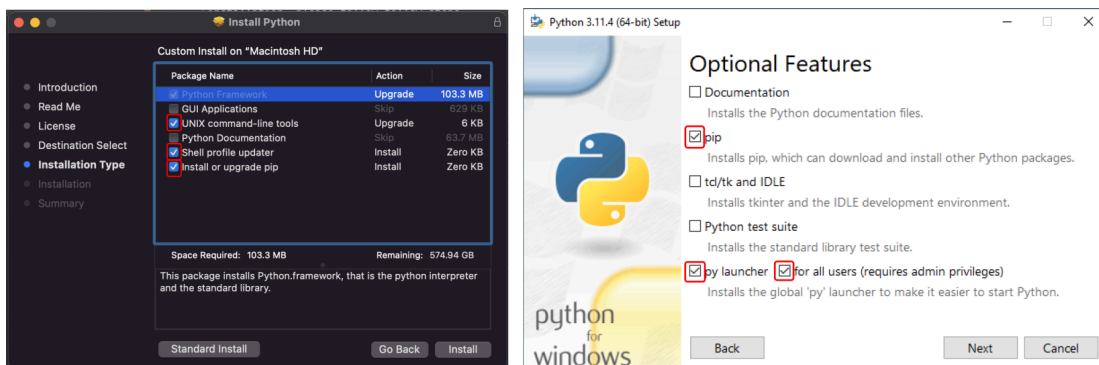
1. Open the Python webpage (<https://www.python.org>)
2. Click Download Python. If your OS is macOS, the page will show ‘Download for macOS’ instead of ‘Windows’.



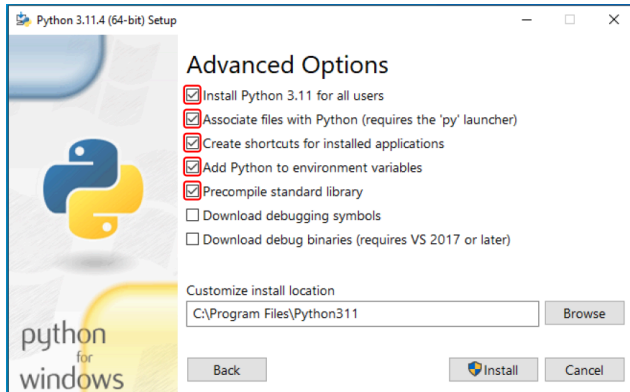
3. You can choose **Install Now** on Windows or **Install** on macOS to install Python with default options. For the suggested custom installation, please follow steps 4 and 5.



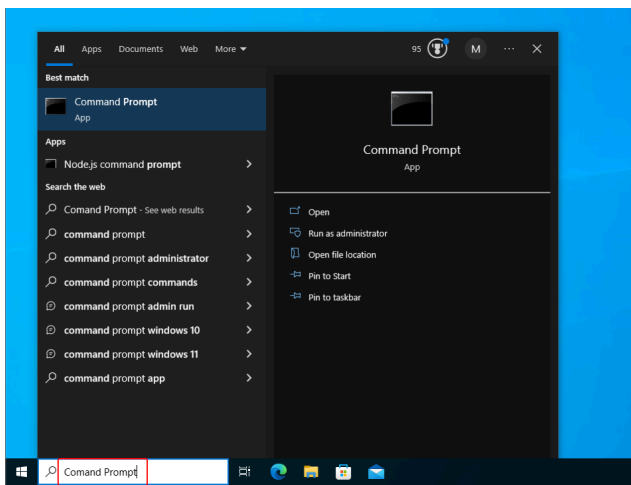
4. Check only **pip**, **py launcher**, and for all users on Windows and click **Next**. For macOS, please check only **UNIX command-line tools**, **Shell profile updater**, and **Install or upgrade pip** and click the **Install** button.



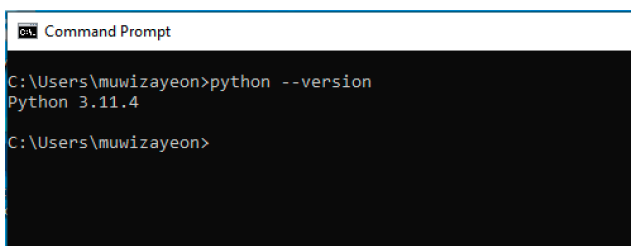
5. Once the installation is completed on macOS, the first step is done. For Windows, there is one more **Advanced Option**. Please check from **Install Python 3.xx for all users to Precompile standard library**, then click **Install**.



Once the installation is done, launch the **Command Prompt** application on Windows.



Then, the Python installation is successfully finished if you can confirm the following message by typing **python --version** on Windows:



In macOS, the installed Python is located `/Library/Frameworks/Python.framework/Versions/3.xx/bin/` where `xx` indicates the version number, which is now `11`. Therefore, open the Terminal app and check the version with the following command.

```
/Library/Frameworks/Python.framework/Versions/3.11/bin/python3 --version
```

If you can confirm the following message, your Python installation is completed in macOS.

```
> /Library/Frameworks/Python.framework/Versions/3.11/bin/python3 --version
Python 3.11.4
```