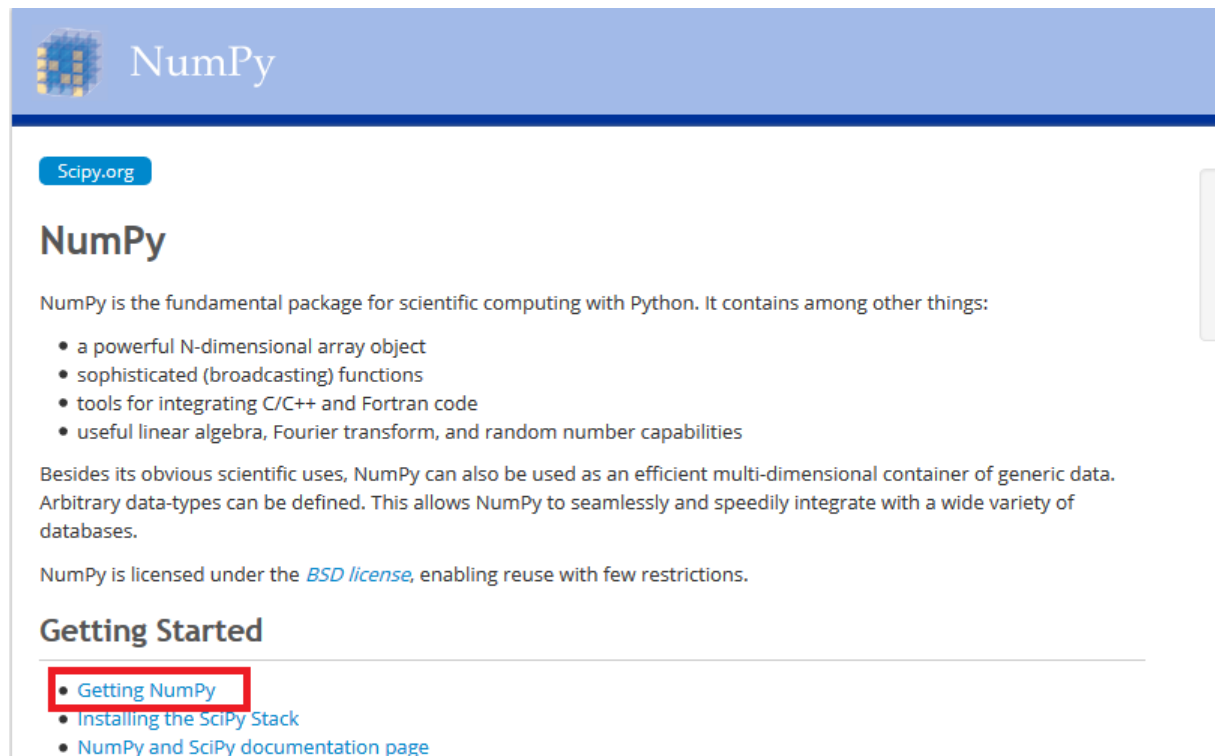


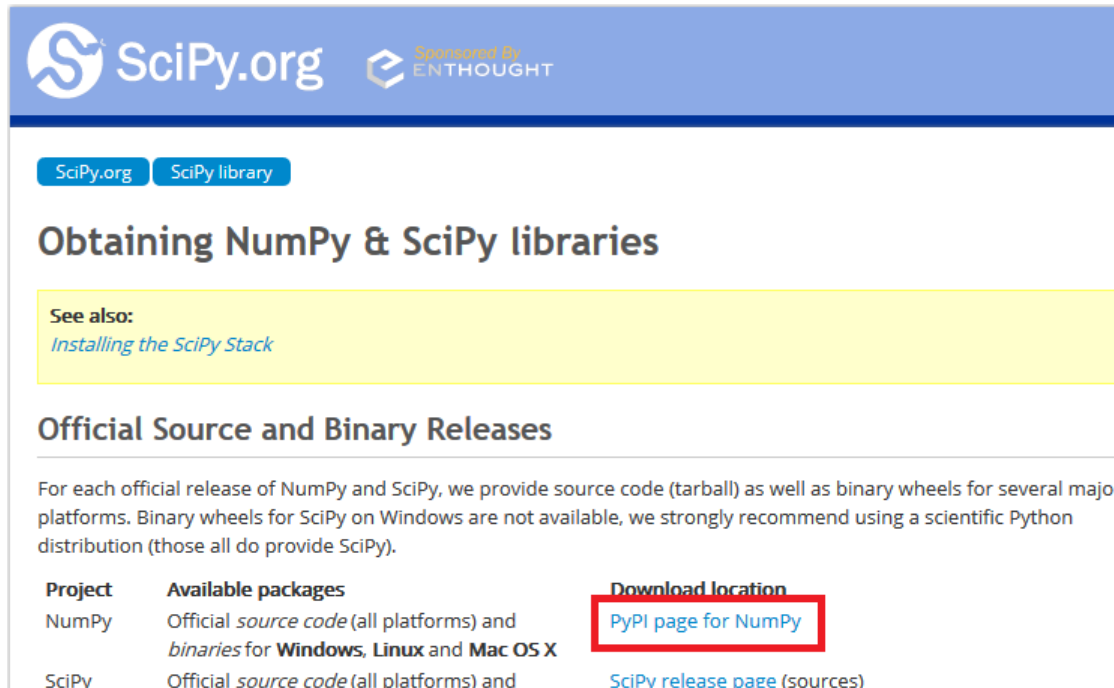
การติดตั้ง Numpy


- เข้าไปที่เว็บ <http://www.numpy.org/> เลือก Getting numpy



The screenshot shows the NumPy website. At the top left is the NumPy logo, a grid of colored squares. To its right is the text "NumPy". Below the logo is a blue button with the text "Scipy.org". The main heading is "NumPy". Below this is a paragraph: "NumPy is the fundamental package for scientific computing with Python. It contains among other things:". This is followed by a bulleted list: "a powerful N-dimensional array object", "sophisticated (broadcasting) functions", "tools for integrating C/C++ and Fortran code", and "useful linear algebra, Fourier transform, and random number capabilities". Below the list is another paragraph: "Besides its obvious scientific uses, NumPy can also be used as an efficient multi-dimensional container of generic data. Arbitrary data-types can be defined. This allows NumPy to seamlessly and speedily integrate with a wide variety of databases." This is followed by a paragraph: "NumPy is licensed under the *BSD license*, enabling reuse with few restrictions." Below this is a section heading "Getting Started" with a horizontal line underneath. Under the line is a bulleted list: "Getting NumPy", "Installing the SciPy Stack", and "NumPy and SciPy documentation page". The first item, "Getting NumPy", is highlighted with a red rectangular box.

● เลือก PyPi page for NumPy



SciPy.org 

SciPy.org SciPy library

Obtaining NumPy & SciPy libraries

See also:
[Installing the SciPy Stack](#)

Official Source and Binary Releases

For each official release of NumPy and SciPy, we provide source code (tarball) as well as binary wheels for several major platforms. Binary wheels for SciPy on Windows are not available, we strongly recommend using a scientific Python distribution (those all do provide SciPy).

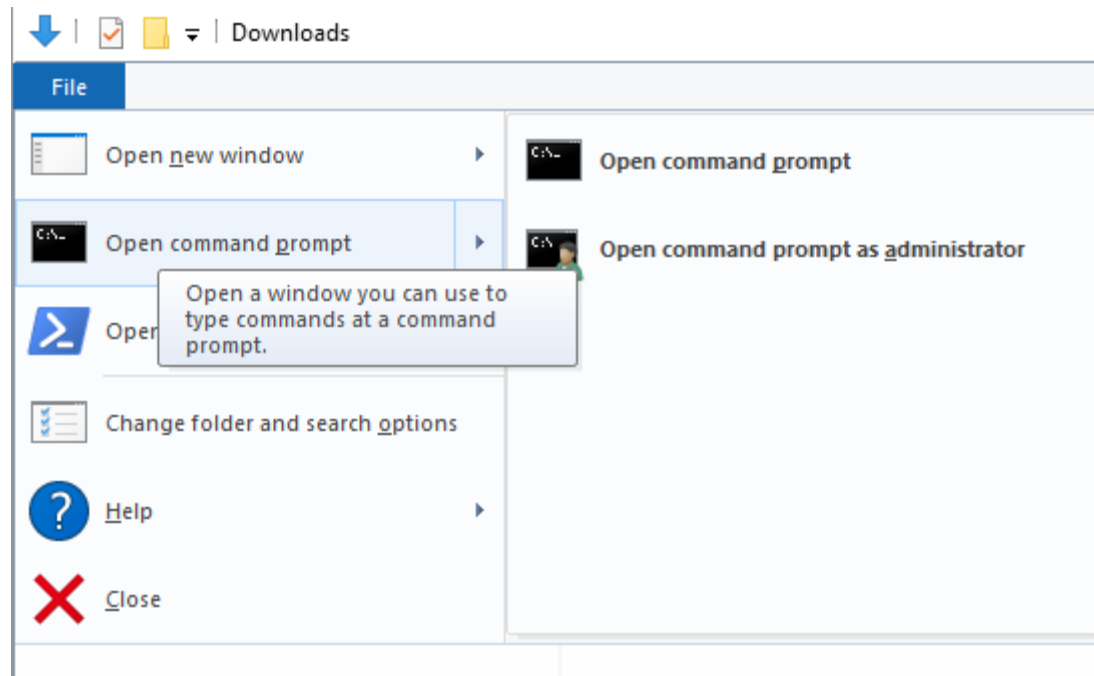
Project	Available packages	Download location
NumPy	Official <i>source code</i> (all platforms) and <i>binaries</i> for Windows , Linux and Mac OS X	PyPI page for NumPy
SciPy	Official <i>source code</i> (all platforms) and	SciPy release page (sources)

- เลือกดาวน์โหลด version cp35 หากลง python 3.5
- cp36 หากลง python 3.6
- และเลือก win32 หรือ win_amd64 ตาม version ของ python ที่ลงไว้

File
numpy-1.12.1rc1-cp27-cp27m-macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x86_64.macosx_10_9_x86_64.whl (md5, pgp)
numpy-1.12.1rc1-cp27-cp27m-manylinux1_i686.whl (md5, pgp)
numpy-1.12.1rc1-cp27-cp27m-manylinux1_x86_64.whl (md5, pgp)
numpy-1.12.1rc1-cp27-cp27mu-manylinux1_i686.whl (md5, pgp)
numpy-1.12.1rc1-cp27-cp27mu-manylinux1_x86_64.whl (md5, pgp)
numpy-1.12.1rc1-cp27-none-win32.whl (md5, pgp)
numpy-1.12.1rc1-cp27-none-win_amd64.whl (md5, pgp)
numpy-1.12.1rc1-cp34-cp34m-macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x86_64.macosx_10_9_x86_64.whl (md5, pgp)
numpy-1.12.1rc1-cp34-cp34m-manylinux1_i686.whl (md5, pgp)
numpy-1.12.1rc1-cp34-cp34m-manylinux1_x86_64.whl (md5, pgp)
numpy-1.12.1rc1-cp34-none-win32.whl (md5, pgp)
numpy-1.12.1rc1-cp34-none-win_amd64.whl (md5, pgp)
numpy-1.12.1rc1-cp35-cp35m-macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x86_64.macosx_10_9_x86_64.whl (md5, pgp)
numpy-1.12.1rc1-cp35-cp35m-manylinux1_i686.whl (md5, pgp)
numpy-1.12.1rc1-cp35-cp35m-manylinux1_x86_64.whl (md5, pgp)
numpy-1.12.1rc1-cp35-none-win32.whl (md5, pgp)
numpy-1.12.1rc1-cp35-none-win_amd64.whl (md5, pgp)
numpy-1.12.1rc1-cp36-cp36m-macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x86_64.macosx_10_9_x86_64.whl (md5, pgp)

ไปที่ folder ที่โหลด

- เลือก File -> Open command prompt



- จากนั้นพิมพ์

pip install ชื่อไฟล์ที่เราโหลดมา ตัวอย่างเช่นโหลด numpy-1.12.1rc1-cp34-none-win32.whl มา

ก็พิมพ์ pip install numpy-1.12.1rc1-cp34-none-win32.whl

```
C:\Users\chung>pip install C:\Users\chung\Downloads\numpy-1.12.1rc1-cp34-none-win32.whl
Processing c:\users\chung\downloads\numpy-1.12.1rc1-cp34-none-win32.whl
Installing collected packages: numpy
  Found existing installation: numpy 1.9.2
    DEPRECATION: Uninstalling a distutils installed project (numpy) has been deprecated and will be removed in a future
version. This is due to the fact that uninstalling a distutils project will only partially uninstall the project.
  Uninstalling numpy-1.9.2:
    Successfully uninstalled numpy-1.9.2
Successfully installed numpy-1.12.1rc1
```

สามารถพิมพ์บางส่วนของชื่อไฟล์แล้วกด tab ทาง windows จะทำการหาชื่อไฟล์ให้

การติดตั้ง matplotlib

- ให้พิมพ์คำสั่ง

```
pip install matplotlib
```