

# การติดตั้ง NumPy และ Matplotlib

## ● คลินิก Getting Numpy



Scipy.org

## NumPy

NumPy is the fundamental package for scientific computing with Python. It contains among other things:

- a powerful N-dimensional array object
- sophisticated (broadcasting) functions
- tools for integrating C/C++ and Fortran code
- useful linear algebra, Fourier transform, and random number capabilities

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.

NumPy is licensed under the [BSD license](#), enabling reuse with few restrictions.

## Getting Started

- [Getting Numpy](#)
- [Installing the SciPy Stack](#)
- [NumPy and SciPy documentation page](#)
- [NumPy Tutorial](#)
- [NumPy for MATLAB® Users](#)

About Numpy

[License](#)

[Old array packages](#)

# คลิกไปที่ SourceForge site for NumPy

## Official Source and Binary Releases

For each official release of NumPy and SciPy, we provide source code (tarball) as well as binary packages for several major platforms. Binary packages for other platforms may be available from your operating system vendor.

Project	Available packages	Download location
NumPy	Official <i>source code</i> (all platforms) and <i>binaries</i> for <b>Windows &amp; Mac OS X</b>	<a href="#">SourceForge site for NumPy</a>
SciPy	Official <i>source code</i> (all platforms) and <i>binaries</i> for <b>Windows &amp; Mac OS X</b>	<a href="#">SourceForge site for SciPy</a>

Build instructions are available for [Linux](#), [Windows](#) and [Mac OSX](#).

# เลือก NumPy จากหน้าเลือก version 1.9.2

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## Numerical Python




A package for scientific computing with Python

Brought to you by: [charris208](#), [jarrodmillman](#), [kern](#), [rgommers](#), [teoliphant](#)



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Looking for the latest version? [Download numpy-1.9.2.zip \(4.5 MB\)](#)















Home

Name ▾	Modified ▾	Size ▾	Downloads / Week ▾
NumPy	2015-03-01		15,603 
wheels_to_test	2013-12-08		2 
Old Numarray	2006-08-24		19 
Old Numeric	2005-11-13		44 

Totals: 4 Items

Name ▾	Modified ▾	Size ▾	Downloads / Week ▾
↑ Parent folder			
1.9.2	2015-03-01		11,283 
1.9.1	2014-11-02		434 

# เลือกดาวน์โหลดให้ตรงกับ version ของ Python

<a href="#">userguide.pdf</a>	2015-03-01	518.8 kB	306		
<a href="#">numpy-1.9.2.zip</a>	2015-03-01	4.5 MB	5,460		
<a href="#">numpy-1.9.2.tar.gz</a>	2015-03-01	4.0 MB	1,730		
<a href="#">numpy-1.9.2-win32-superpack-pytho...</a>	2015-03-01	8.2 MB	1,136		
<a href="#">numpy-1.9.2-win32-superpack-</a>	Click to download numpy-1.9.2-win32-superpack-python3.4.exe				
<a href="#">numpy-1.9.2-win32-superpack-pytho...</a>	2015-03-01	8.4 MB	2,150		
<a href="#">Changelog</a>	2015-03-01	13.8 kB	7		

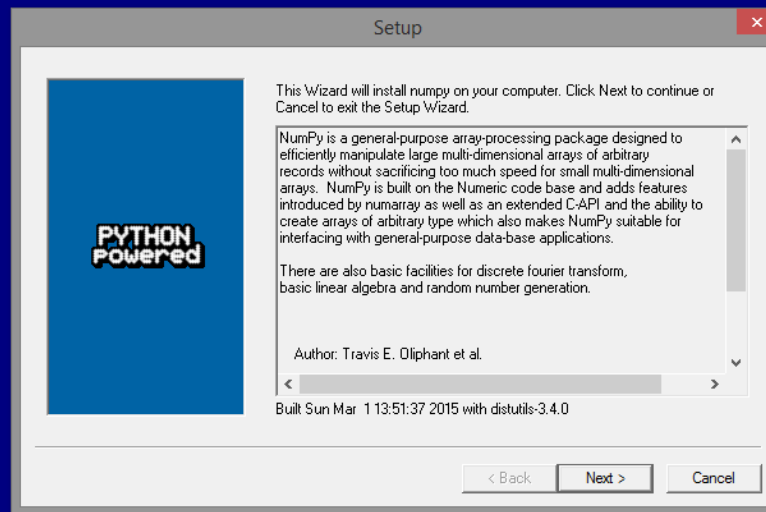


numpy-1.9.2-win32-superpack-python3.4.exe

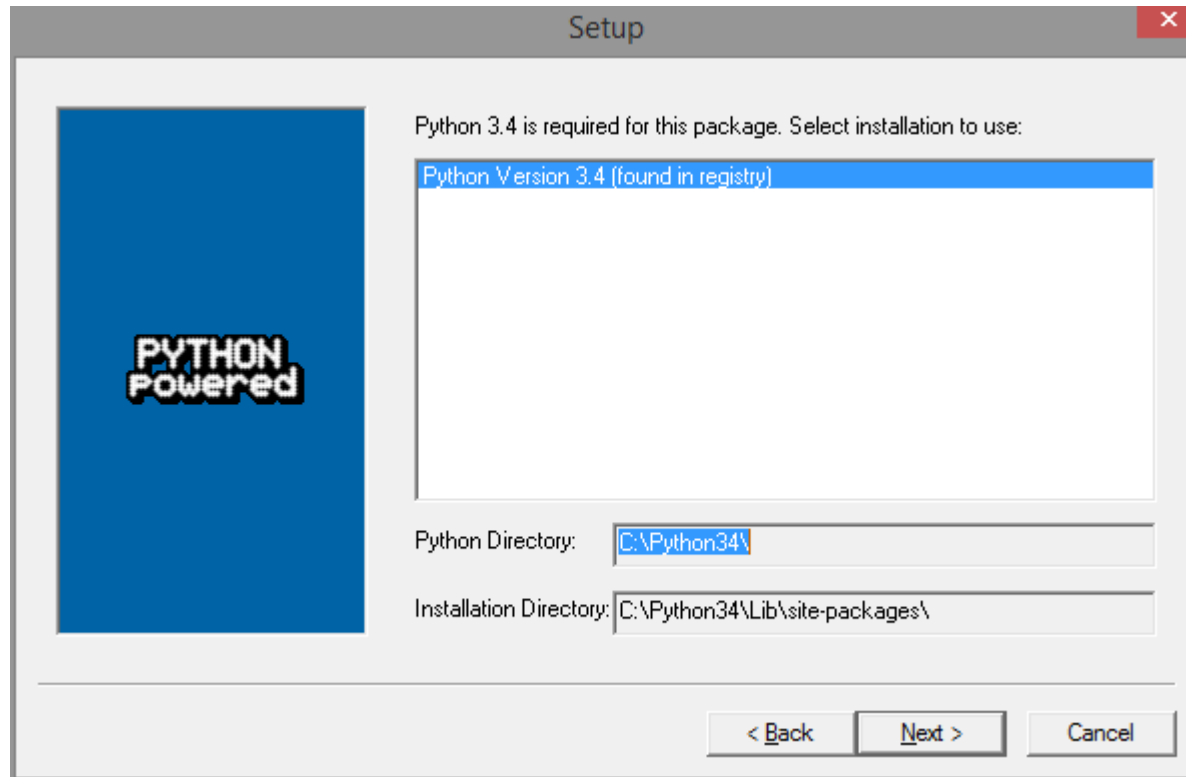
# ติดตั้ง NumPy

Setup numpy-1.9.2

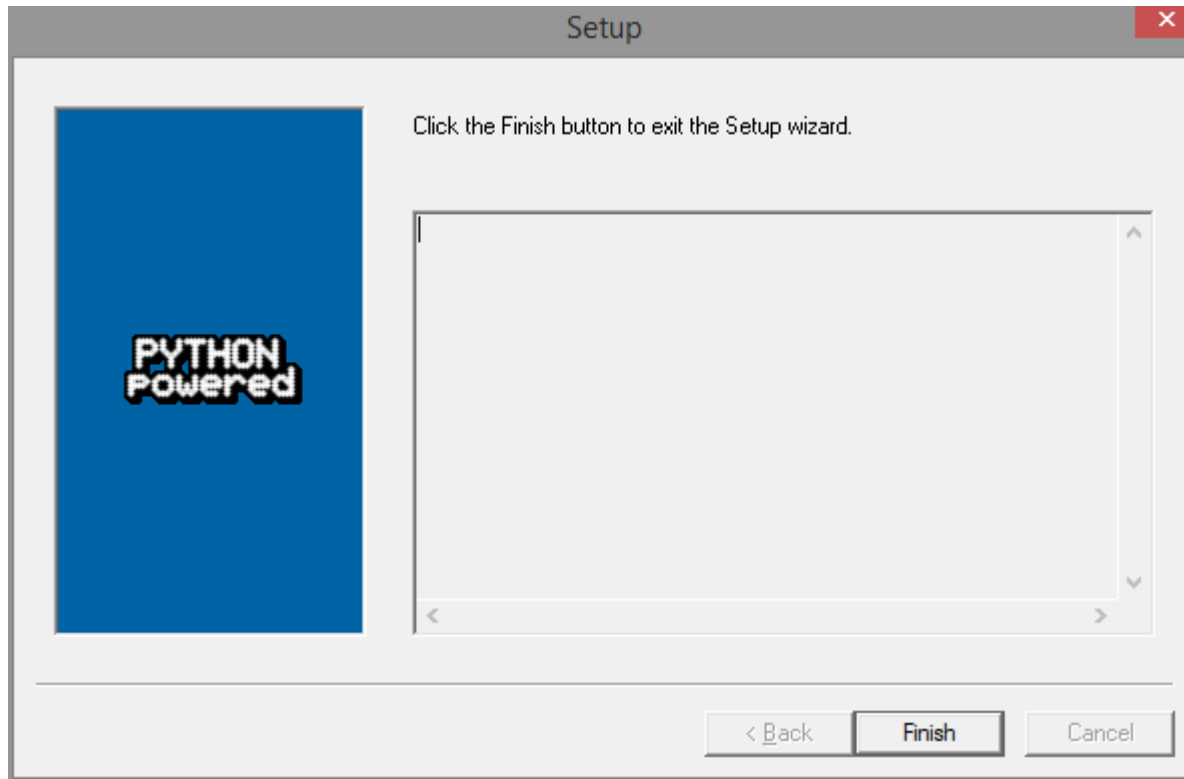
## ***numpy-1.9.2***



# เลือกตำแหน่ง Directory ของ Python



# ติดตั้ง NumPy เสร็จสิ้น





# การติดตั้ง Matplotlib

- ก่อนที่จะใช้งาน Matplotlib ได้นั้นเราต้องติดตั้งก่อน โดย
- เข้าไปที่โฟลเดอร์ c:\python34\scripts
- พิมพ์คำสั่ง pip install matplotlib

```
C:\Python34\Scripts>pip install matplotlib
You are using pip version 6.0.8, however version 7.1.0 is available.
You should consider upgrading via the 'pip install --upgrade pip' command.
Collecting matplotlib
  Downloading matplotlib-1.4.3-cp34-none-win32.whl (3.8MB)
    100% |#####| 3.8MB 93kB/s
Collecting pyparsing>=1.5.6 (from matplotlib)
  Downloading pyparsing-2.0.3-py2.py3-none-any.whl
Requirement already satisfied (use --upgrade to upgrade): numpy>=1.6 in c:\pytho
n34\lib\site-packages (from matplotlib)
Collecting six>=1.4 (from matplotlib)
  Downloading six-1.9.0-py2.py3-none-any.whl
Collecting pytz (from matplotlib)
  Downloading pytz-2015.4-py2.py3-none-any.whl (475kB)
    100% |#####| 475kB 415kB/s
Collecting python-dateutil (from matplotlib)
  Downloading python_dateutil-2.4.2-py2.py3-none-any.whl (188kB)
    100% |#####| 192kB 710kB/s
Installing collected packages: python-dateutil, pytz, six, pyparsing, matplotlib

Successfully installed matplotlib-1.4.3 pyparsing-2.0.3 python-dateutil-2.4.2 py
tz-2015.4 six-1.9.0
C:\Python34\Scripts>
```