

# Ex0: Install Guidance

Tokyo Tech.

Intro. to Comp. & Data

Exercise 2018.6.11&14

Install software environments for exercise sessions and homework assignments

0. Connect to the internet.

E.g., use Tokyo Tech wireless network

→ <http://www.noc.titech.ac.jp/wlan/techguide.html>

1. Install **python** (ver.3) and command terminal environment.

Windows → page 3

Mac → page 10

2. Install **Weka**<sup>\*1</sup>.

Windows → page 12

Mac → page 19

<sup>\*1</sup> Weka is constructed and provided by the University of Waikato

## Ex0: Install Guidance (Cont.)

### 3. Install a text editor

⌘ You may use any reasonable text editor.

Windows → [Notepad++](#), page 21

Mac → [CotEditor](#), page 23

# Install `python3` for Windows

\* Below is a way to install `Anaconda`, a well-known package for developing python programs. If there is any difficulty of installing it, you may try a simpler one explained from page 6.

## 1. Download Anaconda for Windows from <https://www.anaconda.com/download/#windows>

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Anaconda 5.1 For Windows Installer

Python 3.6 version \*

[Download](#)

[64-Bit Graphical Installer \(537 MB\)](#) ⓘ

[32-Bit Graphical Installer \(436 MB\)](#)

Python 2.7 version \*

[Download](#)

[64-Bit Graphical Installer \(523 MB\)](#) ⓘ

[32-Bit Graphical Installer \(420 MB\)](#)

Download from here

Download from here if your PC is a 32-bit computer

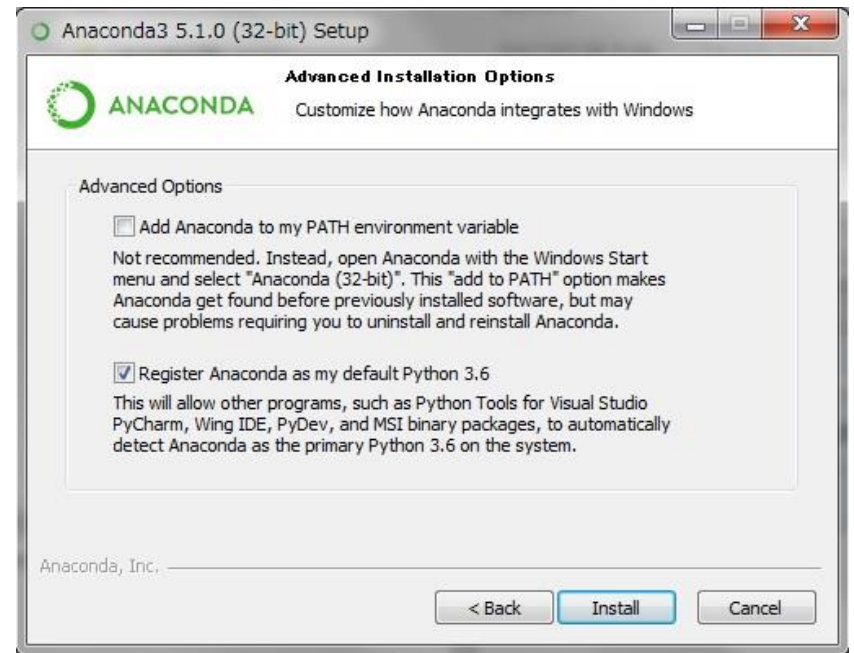
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[How to get Python 3.5 or other Python versions](#)

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# Install `python3` for Windows

## 2. Install Anaconda with following the wizard



# Install `python3` for Windows

3. (All programs →) Anaconda3 → Anaconda Prompt  
Run the command “`python --version`” and  
confirm a version of Python on Anaconda Prompt

```
> python --version  
Python 3.6.4 :: Anaconda, Inc.
```

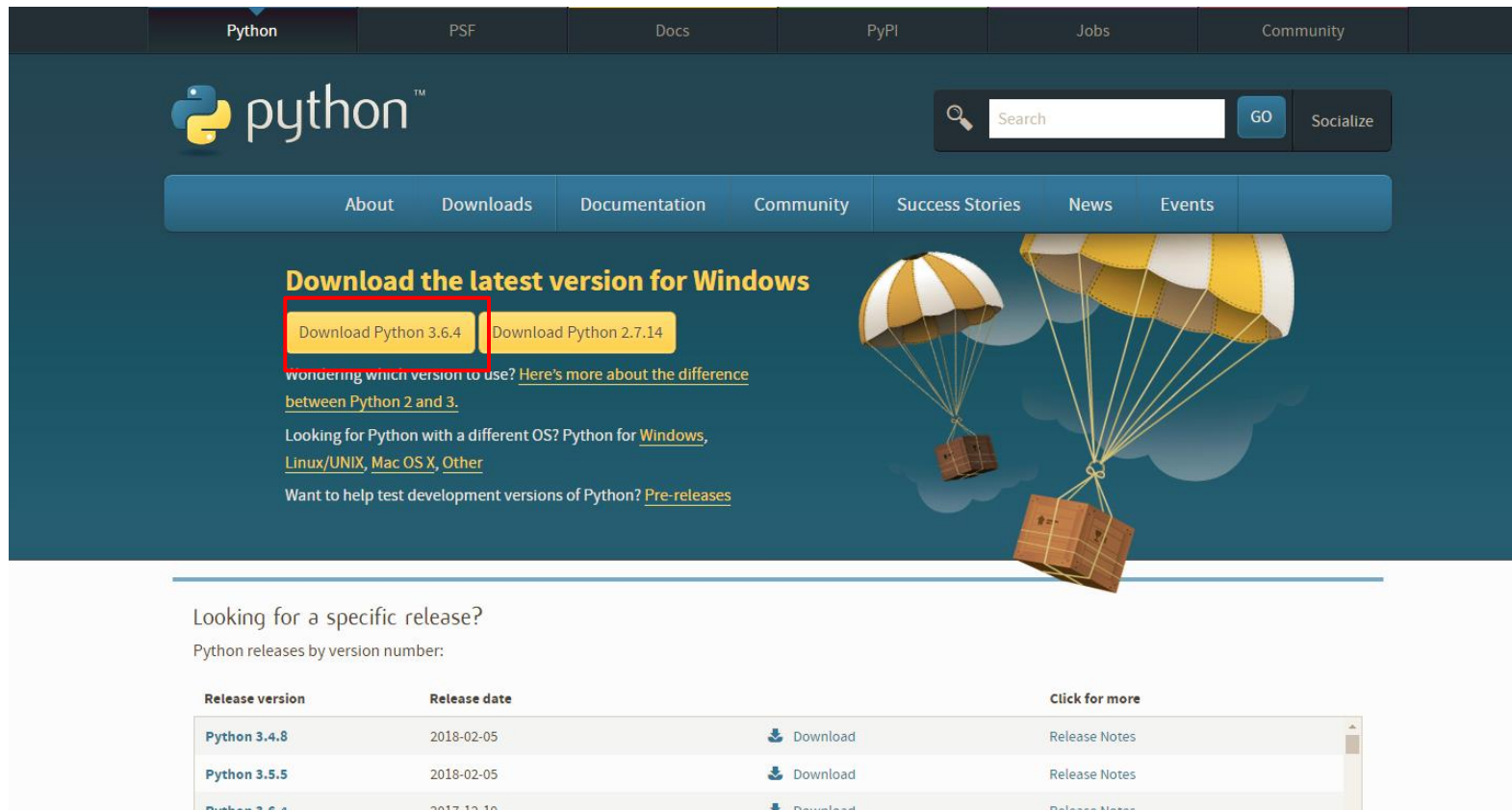
← Install has been  
successfully completed.

Next step is to install Weka  
→ Go to page 11

# Install **python3** for Windows: python3 only

\* Below is a way to install only a python system for those having some problem with installing Anaconda. Do not try this if you have already installed Anaconda safely.

## 1. Download installer from <https://www.python.org/downloads>



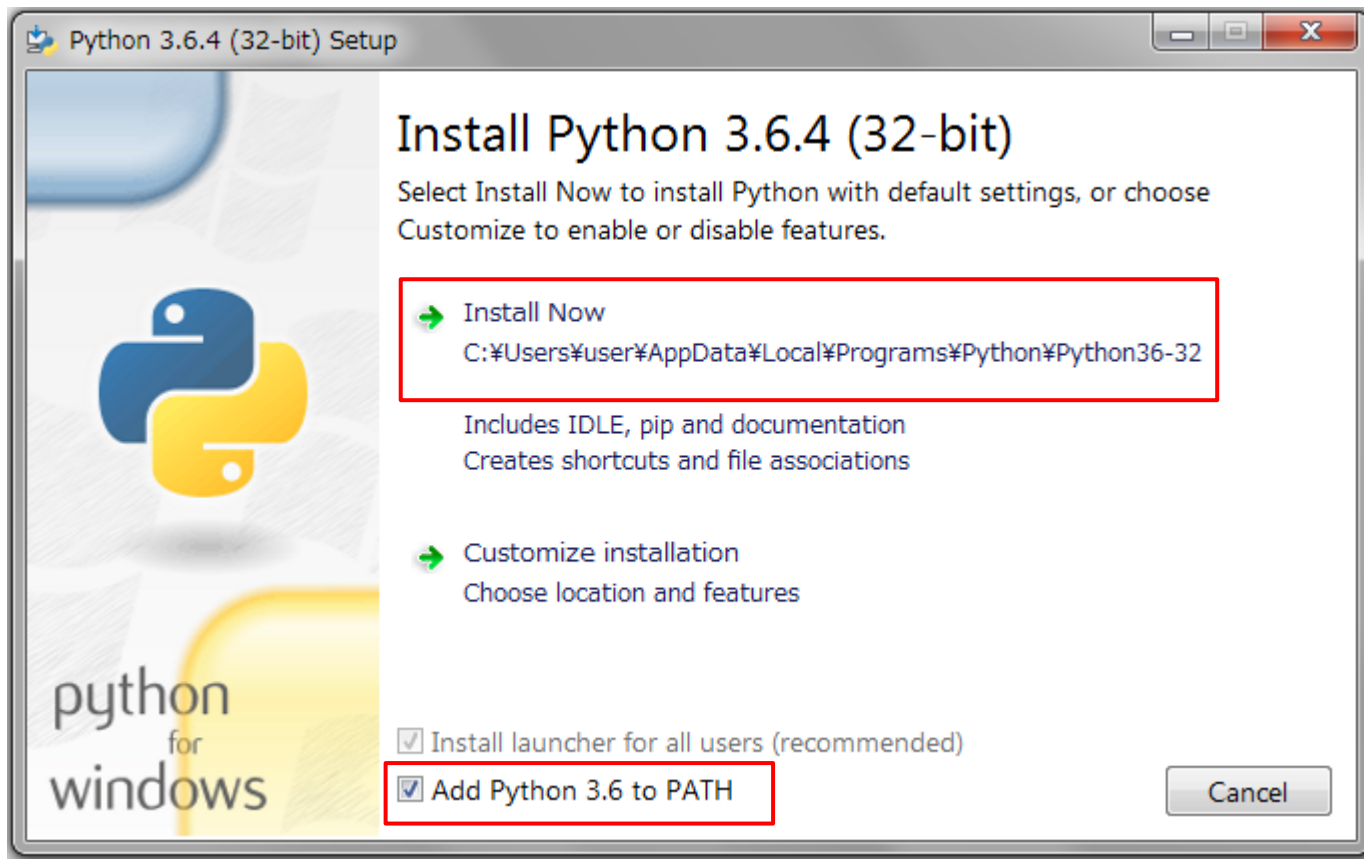
Python.org website showing the download section for Windows. The "Download Python 3.6.4" button is highlighted with a red box. Below it, there is a link to "wondering which version to use? Here's more about the difference between Python 2 and 3." and a link to "Looking for Python with a different OS? Python for Windows, Linux/UNIX, Mac OS X, Other". At the bottom, there is a table of Python releases by version number.

Release version	Release date	Click for more
Python 3.4.8	2018-02-05	<a href="#">Download</a> <a href="#">Release Notes</a>
Python 3.5.5	2018-02-05	<a href="#">Download</a> <a href="#">Release Notes</a>
Python 3.6.4	2017-12-19	<a href="#">Download</a> <a href="#">Release Notes</a>

# Install `python3` for Windows: python3 only

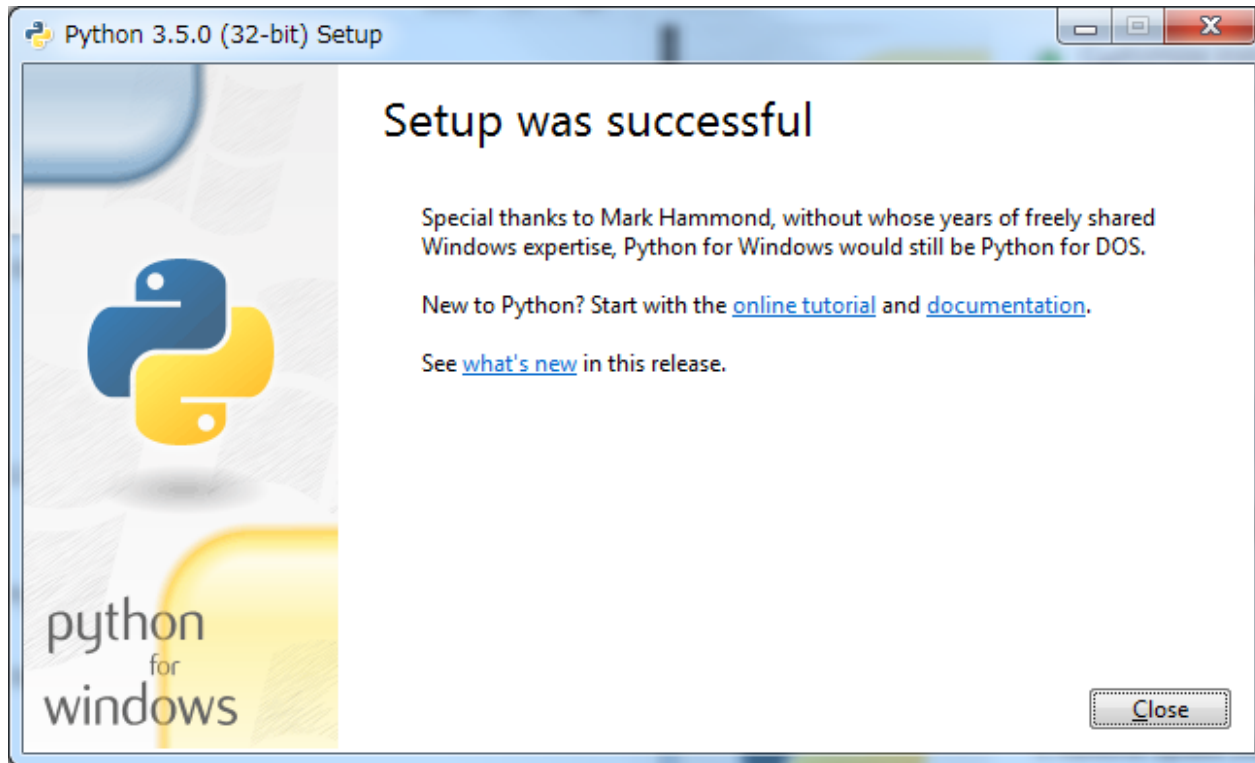
## 2. Run the installer

Check “Add Python3.6 to PATH” and click “Install Now”



# Install `python3` for Windows: python3 only

## 3. Click “close”

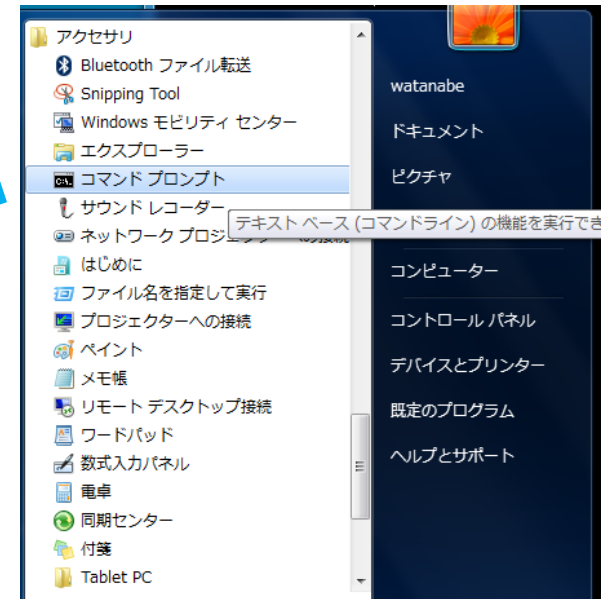
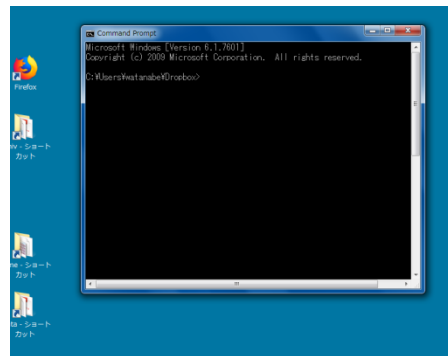




# Install python3 for Windows: python3 only

3. Open the **Command Prompt**, and run the command “python --version” and confirm a version of Python on Command Prompt

command prompt



```
> python --version  
Python 3.6.4
```

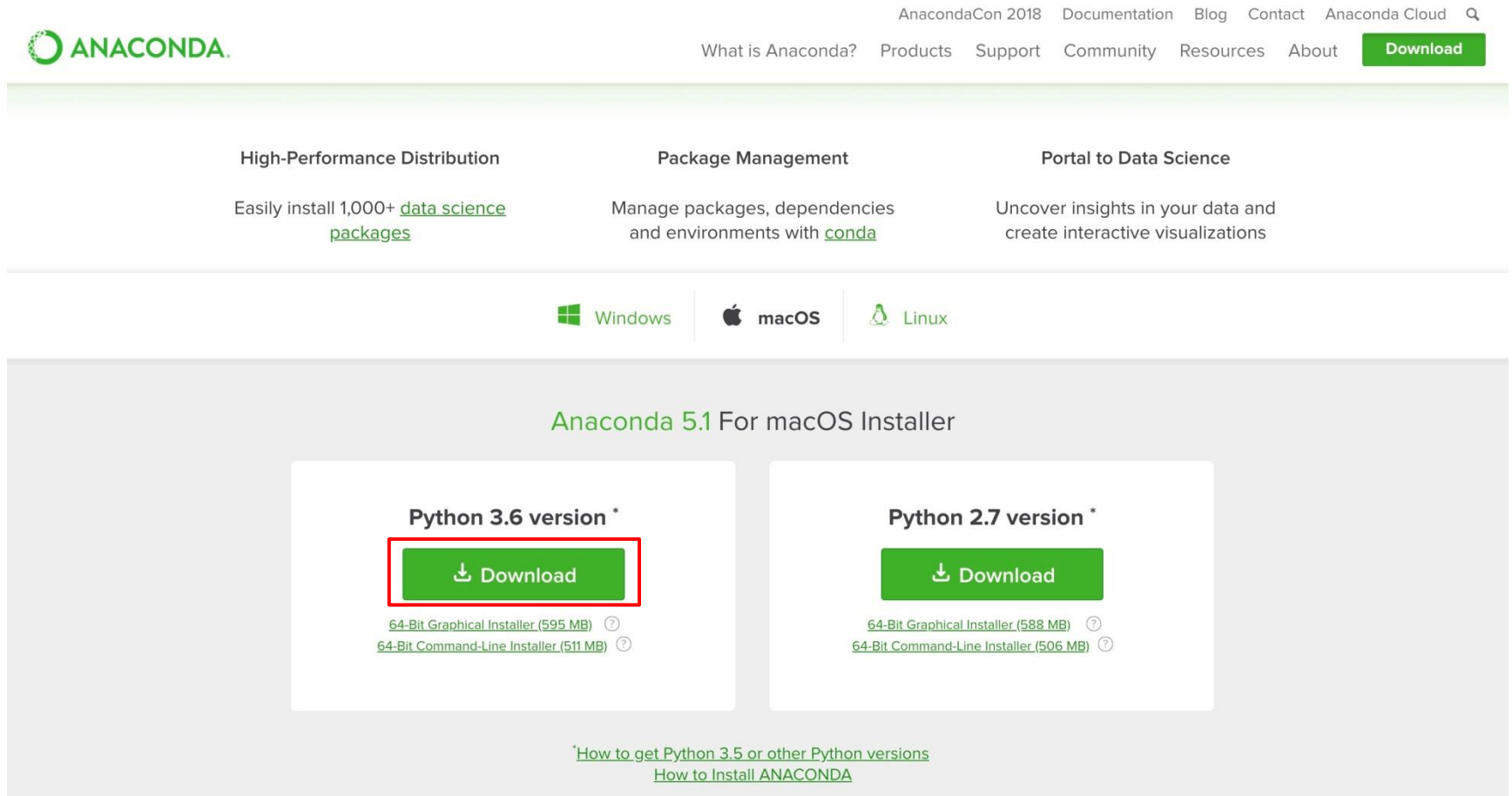
← Install has been successfully completed.

Next step is to install Weka  
→ Go to page 12

# Install `python3` for Mac

## 1. Download Anaconda for Mac from

<https://www.anaconda.com/download/#macos>



The screenshot shows the Anaconda website's download page for macOS. At the top, the Anaconda logo is on the left, and navigation links for 'AnacondaCon 2018', 'Documentation', 'Blog', 'Contact', 'Anaconda Cloud', 'What is Anaconda?', 'Products', 'Support', 'Community', 'Resources', 'About', and a 'Download' button are on the right. Below the navigation bar, three main sections are highlighted: 'High-Performance Distribution' (easily install 1,000+ data science packages), 'Package Management' (manage packages, dependencies and environments with conda), and 'Portal to Data Science' (uncover insights in your data and create interactive visualizations). In the center, there are three icons for 'Windows', 'macOS', and 'Linux'. Below these, the heading 'Anaconda 5.1 For macOS Installer' is displayed. Under this heading, there are two white boxes. The left box is for 'Python 3.6 version \*' and contains a green 'Download' button with a download icon, which is highlighted by a red rectangle. Below the button are links for '64-Bit Graphical Installer (595 MB)' and '64-Bit Command-Line Installer (511 MB)', each with a help icon. The right box is for 'Python 2.7 version \*' and contains a similar green 'Download' button. Below it are links for '64-Bit Graphical Installer (588 MB)' and '64-Bit Command-Line Installer (506 MB)', each with a help icon. At the bottom, there are links for '\*How to get Python 3.5 or other Python versions' and 'How to Install ANACONDA'.

ANAconda

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Python 2.7 version \*

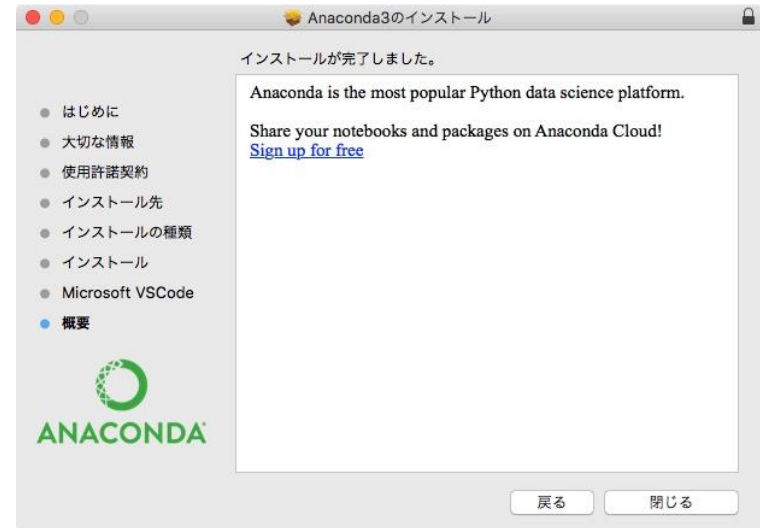
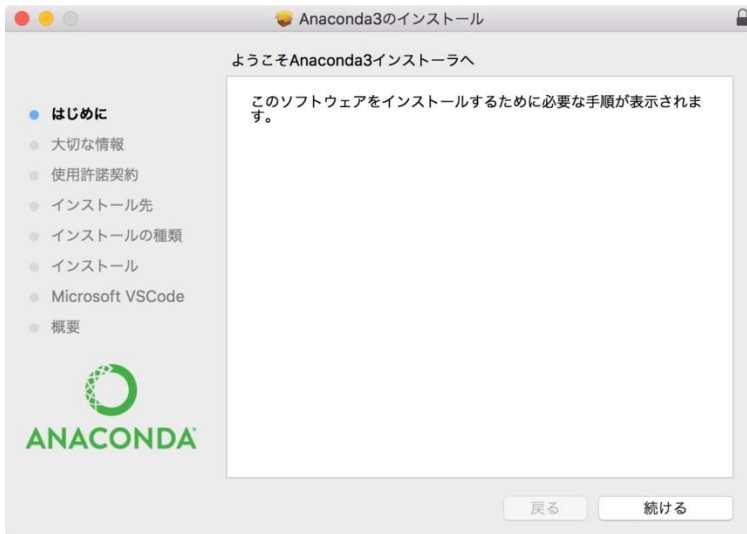
[Download](#)

[64-Bit Graphical Installer \(588 MB\)](#) ⓘ  
[64-Bit Command-Line Installer \(506 MB\)](#) ⓘ

[\\*How to get Python 3.5 or other Python versions](#)  
[How to Install ANACONDA](#)

# Install `python3` for Mac

## 2. Install Anaconda with following the wizard



## 3. Run the command and confirm a version of Python

```
> python --version  
Python 3.6.4 :: Anaconda, Inc.
```

← Install has been  
successfully completed.

Next step is to install Weka  
→ Go to page 19

# Install Weka for Windows

## 1. Download installer from

<https://www.cs.waikato.ac.nz/ml/weka/downloading.html>

- **Stable version**

Weka 3.8 is the latest stable version of Weka. This branch of Weka receives bug fixes only, although new features may become available in packages. There are different options for downloading and installing it on your system:

- **Windows**

Click **here** to download a self-extracting executable for 64-bit Windows that includes Oracle's 64-bit Java VM 1.8 (weka-3-8-2jre-x64.exe; 265.4 MB)

↓ 64bit machine & Java has not been installed before

Click **here** to download a self-extracting executable for 64-bit Windows without a Java VM (weka-3-8-2-x64.exe; 50.8 MB)

↓ 32bit machine & Java has not been installed before

Click **here** to download a self-extracting executable for 32-bit Windows that includes Oracle's 32-bit Java VM 1.8 (weka-3-8-2jre.exe; 257.2 MB)

Click **here** to download a self-extracting executable for 32-bit Windows without a Java VM (weka-3-8-2.exe; 50.8 MB)

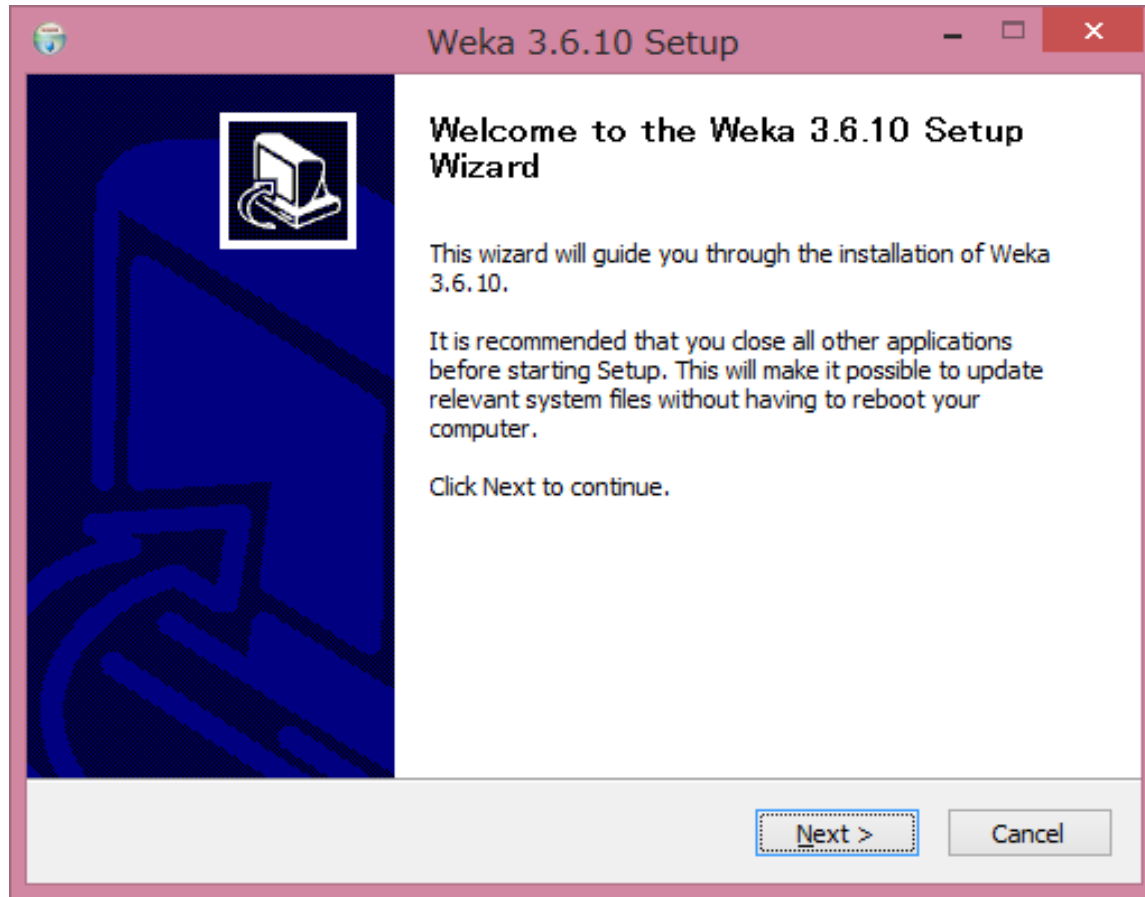
These executables will install Weka in your Program Menu. Download the version without the Java VM if you already have Java 1.7 (or later) on your system.

If you have Java

Click **here** to download a disk image for OS X that contains a Mac application including Oracle's Java 1.8 JVM (weka-3-8-2-oracle-jvm.dmg; 124.2 MB)

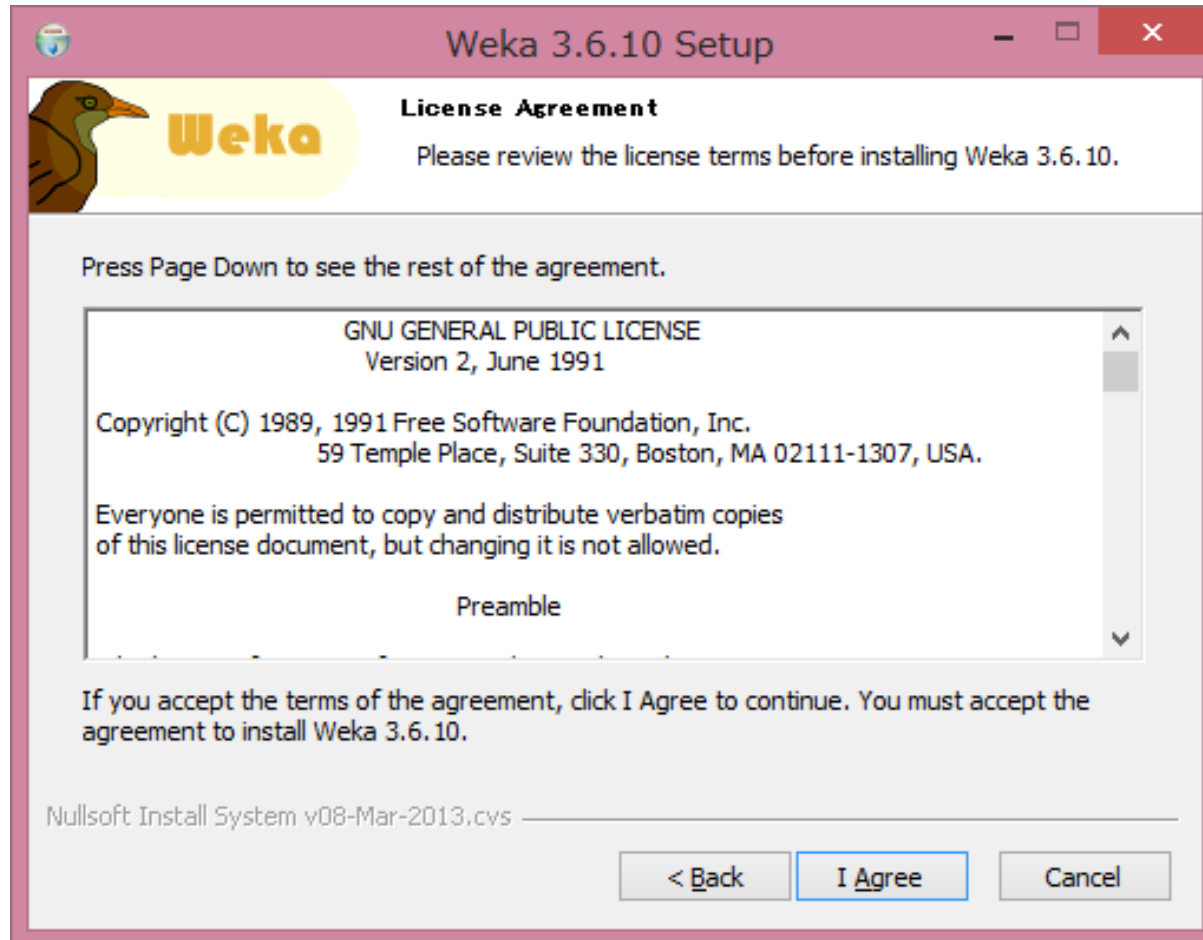
# Install Weka for Windows

## 2. Run the installer



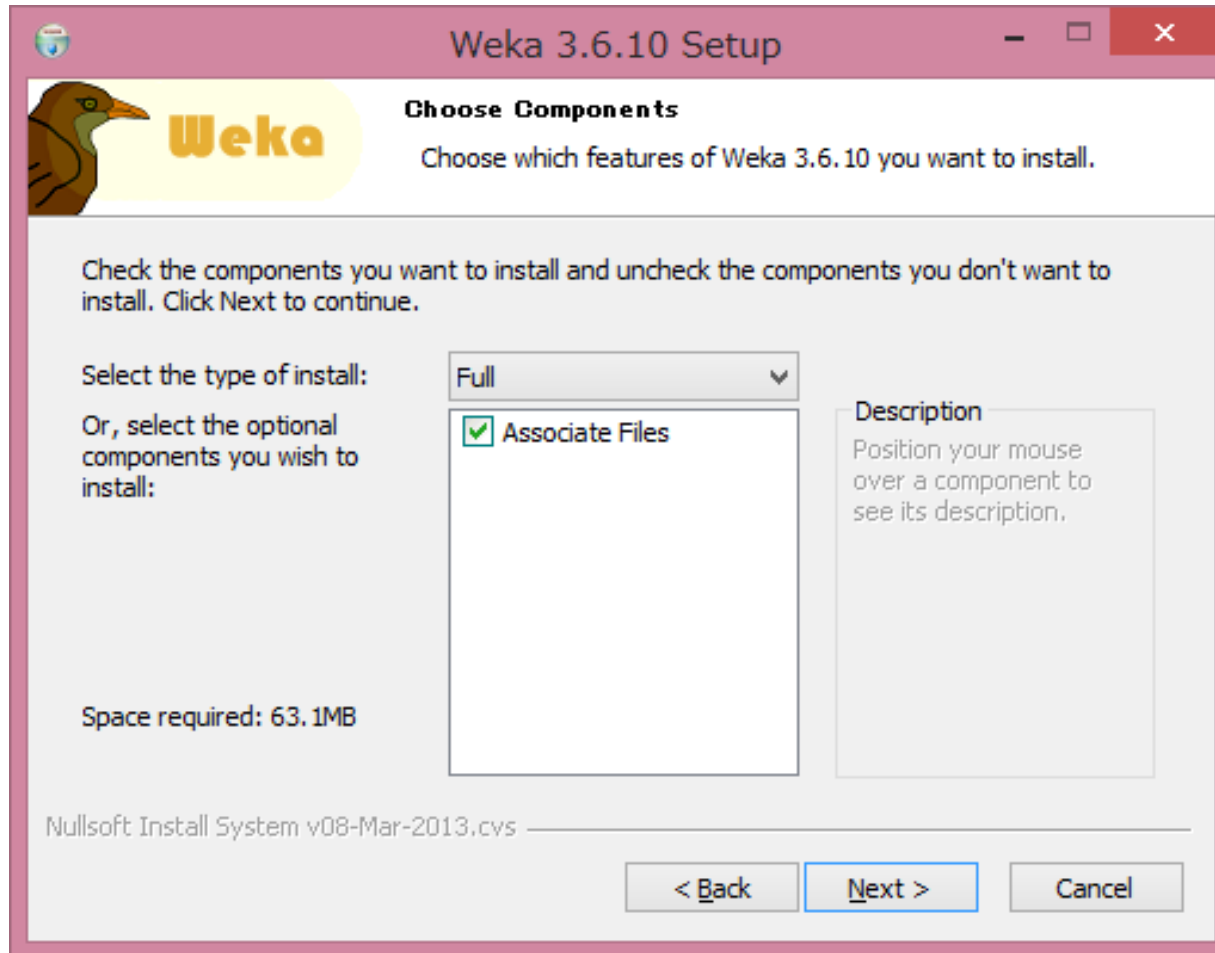
# Install Weka for Windows

## 3. Agree License



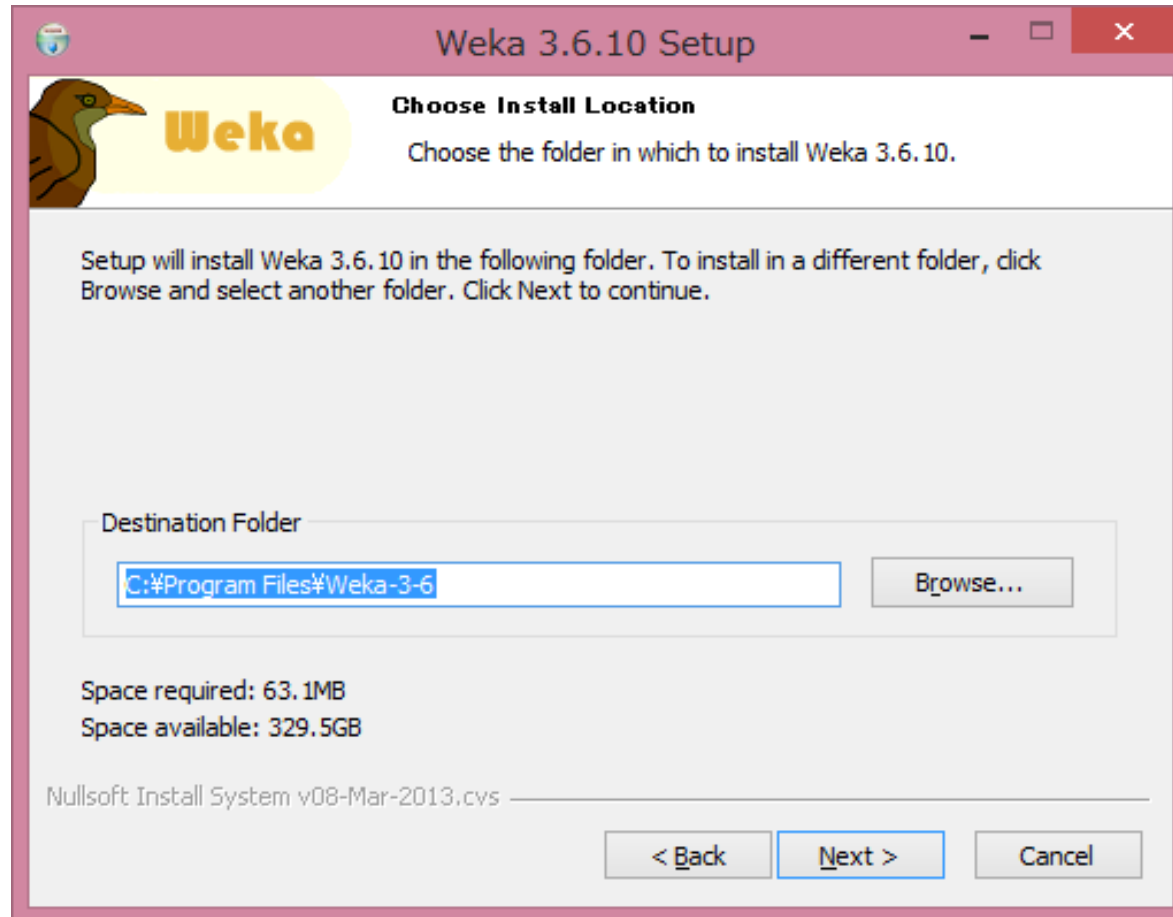
# Install Weka for Windows

## 4. Choose “Full” and click “Next”



# Install Weka for Windows

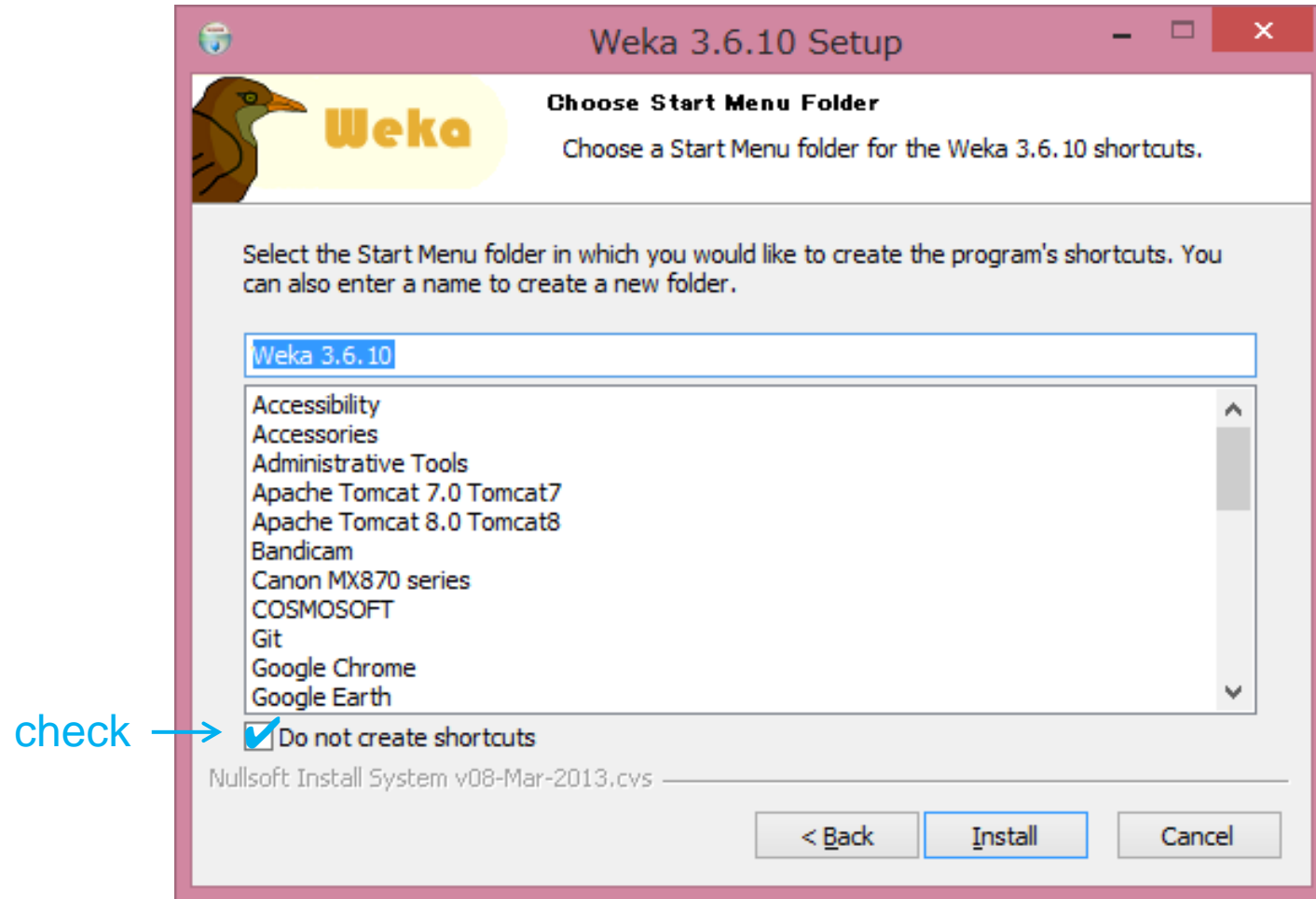
## 5. Choose Destination Folder for the installation





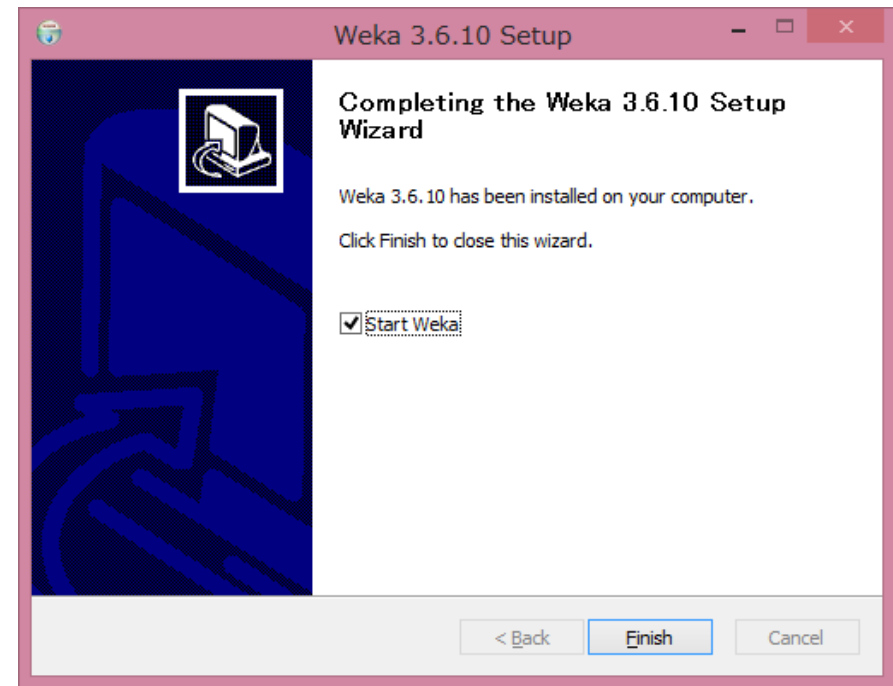
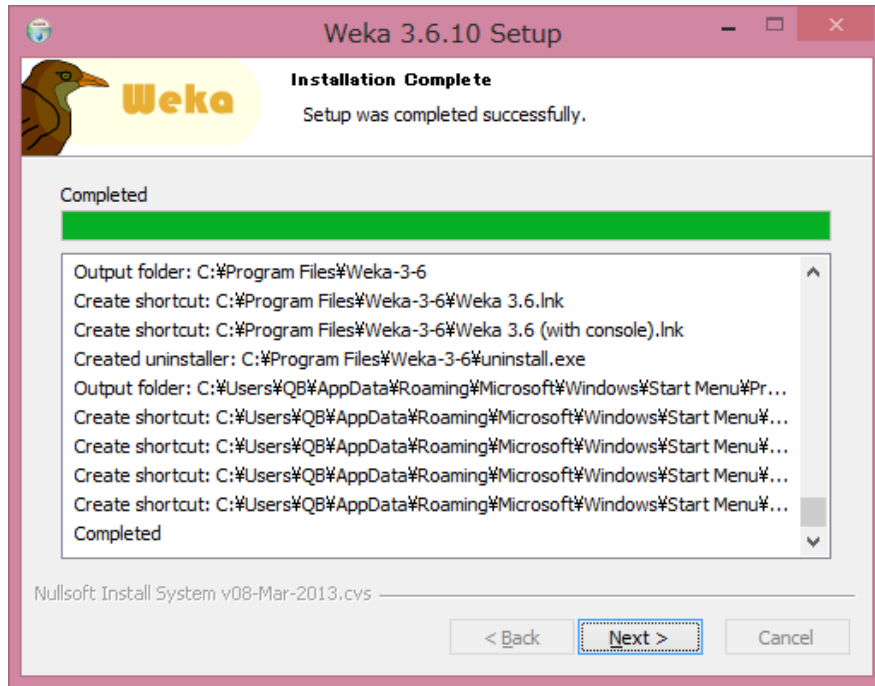
# Install Weka for Windows

## 6. Choose a Start Menu and shortcuts



# Install Weka for Windows

## 7. Setup will be completed



← Install has been successfully completed if WEKA icon appears in the Desktop screen.

# Install **Weka** for Mac

## 1. Download installer from

<https://www.cs.waikato.ac.nz/ml/weka/downloading.html>

- **Stable version**

Weka 3.8 is the latest stable version of Weka. This branch of Weka receives bug fixes only, although new features may become available in packages. There are different options for downloading and installing it on your system:

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Click **here** to download a self-extracting executable for 64-bit Windows without a Java VM (weka-3-8-2-x64.exe; 50.8 MB)

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These executables will install Weka in your Program Menu. Download the version without the Java VM if you already have Java 1.7 (or later) on your system.

- **Mac OS X**

Click **here** to download a disk image for OS X that contains a Mac application including Oracle's Java 1.8 JVM (weka-3-8-2-oracle-jvm.dmg; 124.2 MB)

# Install [Weka](#) for Mac

2. Run the installer and move the Application and Folder to User Directory



# Install Editor(Notepad++) for Windows

## 1. Download installer from

<https://notepad-plus-plus.org/download/v7.5.6.html>

home  
download

- v7.5.6 - Current Version
- v7.5.5
- v7.5.4
- v7.5.3
- v7.5.2
- v7.5.1
- v7.5
- v7.4.2
- v7.3.3
- All versions

news  
features  
resources  
contribute  
donate  
community  
contributors  
links

download

Current Version: 7.5.6

### Download 32-bit x86



**DOWNLOAD** ↓ for 32bit machine

**Notepad++ Installer 32-bit x86:** Take this one if you have no idea which one you should take.

- **Notepad++ zip package 32-bit x86:** Don't want to use installer? Check this one (zip format).
- **Notepad++ 7z package 32-bit x86:** Don't want to use installer? 7z format.
- **Notepad++ minimalist package 32-bit x86:** No theme, no plugin, no updater, quick download and play directly. 7z format.
- **SHA-1/MD5 digests for binary packages:** Check it if you're paranoid.

↓ for 64bit machine

### Download 64-bit x64

**Notepad++ Installer 64-bit x64:** Take this one if you have no idea which one you should take.

- **Notepad++ zip package 64-bit x64:** Don't want to use installer? Check this one (zip format).
- **Notepad++ 7z package 64-bit x64:** Don't want to use installer? 7z format.
- **Notepad++ minimalist package 64-bit x64:** No theme, no plugin, no updater, quick download and play directly. 7z format.
- **SHA-1/MD5 digests for binary packages:** Check it if you're paranoid.

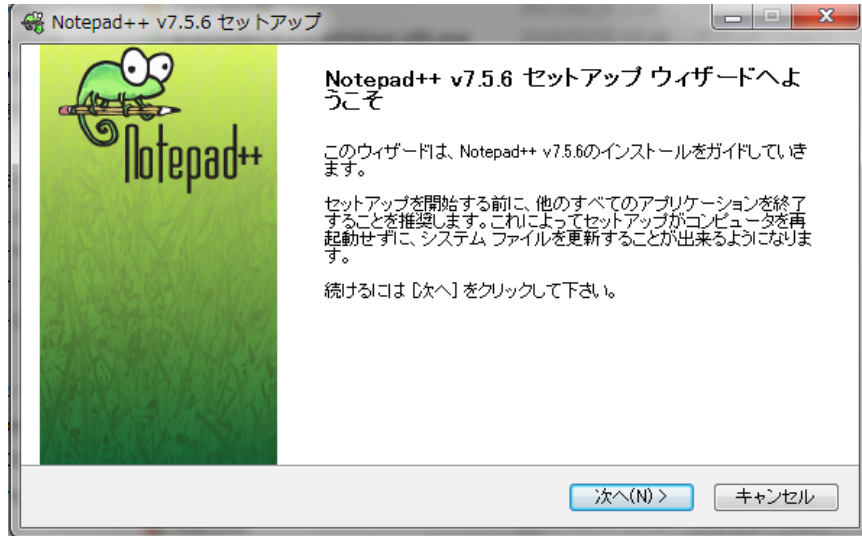
Download Notepad++ source code of current version and/or check sha1/md5 digests for binary packages on GitHub

Notepad++ v7.5.6 enhancements & bug-fixes:

# Install Editor(Notepad++) for Windows

## 2. Run the installer:

- select the standard/recommended choices, and
- better to make a short-cut on the Desktop.



# Install Editor(CotEditor) for Mac

## 1. Open App Store and search CotEditor



Type "coteditor" here and search



# Install Editor(CotEditor) for Mac

## 2. Click and install.

There may be a window to ask for your password of Apple ID.



"coteditor" の検索結果

並び順: 関連



CotEditor

仕事効率化

★★★★★ 51 件の評価

入手

click here to install



## References

## Some Terminal commands

Command	Example	Meaning
mkdir	mkdir <code>project1</code>	Create a folder <code>project1</code>
cd	cd <code>project1</code>	Move to the <code>project1</code> folder
	cd ..	Move to the parent folder
	cd ../..	Move to the parent of the parent folder
dir	dir	Display files of the current folder
rm	rm <code>foo.py</code>	Delete <code>foo.py</code> (It is <b>impossible to undo</b> this command!)
python	python <code>foo.py</code>	Run a program in the machine code