**How to Install Python 3.4.3**

**Mac OS X:**

At <https://www.python.org/ftp/python/3.4.3/python-3.4.3-macosx10.6.pkg> to download the appropriate Python 3.4.3 installer from [www.python.org](http://www.python.org). (or go to <https://www.python.org> ->downloads then scroll down to files and choose [Mac OS X 64-bit/32-bit installer](https://www.python.org/ftp/python/3.4.3/python-3.4.3-macosx10.6.pkg))

Run the installer. Note that your security settings will most likely not allow you to run the installer by double-clicking it. Instead, right-click the installer and select “Open”. After installation, you will have a Python 3.4 folder in your Applications folder. The IDLE application will be inside the Python 3.4 folder. You may want to drag the IDLE application to your dock, for convenience.

**Note:** When starting IDLE, you may see a warning concerning your version of Tcl/Tk. If you see this warning, it means that using compound characters, such as π, ≈, and °, will cause the IDLE application to crash. If you want to update your version of Tcl/Tk, and see the warning, use [http://downloads.activestate.com/ActiveTcl/releases/8.5.17.0/ActiveTcl8.5.17.0.298612-macosx10.5-i386-x86\_64-threaded.dmg](http://downloads.activestate.com/ActiveTcl/releases/8.5.17.0/ActiveTcl8.5.17.0.298612-macosx10.5-i386-x86_64-threaded.dmg%20%20)  to download the installer for Tcl/Tk 8.5.17.1, and run the installer.

Test your installation by running the IDLE application.

**Windows:**

Use <https://www.python.org/ftp/python/3.4.3/python-3.4.3.msi> to download the appropriate Python 3.4.3 installer from [www.python.org](http://www.python.org). (or go to <https://www.python.org> ->downloads then scroll down to Files and choose the last one: [Windows x86 MSI installer](https://www.python.org/ftp/python/3.4.3/python-3.4.3.msi))

**Note:** **The above link installs a 32-bit version of Python. A Python library we may use later in this course is not available in a 64 bit version, so don’t install the 64-bit version of Python.**

Run the installer. After installation, you will have a new application called “IDLE (Python 3.4 GUI – 32 bit)”, as well as a new application called “Python 3.4 (command line – 32 bit)”. For this course you will always use IDLE (Python 3.4 GUI – 32 bit).

Test your installation by running the IDLE (Python 3.4 GUI – 32 bit) application. You may want to pin IDLE to your task bar, for convenience.

**How to Install Matplotlib**

**Mac OS X:**

Download the “Install Matplotlib (for Mac)” file from my web site, and double-click it to run it.

Test your installation. Start IDLE, type “import matplotlib”, and confirm that this command completes without an error.

**Windows:**

Before installing Matplotlib, you need to install numpy (Numerical Python). Use [http://sourceforge.net/projects/numpy/files/NumPy/1.9.2/numpy-1.9.2-win32-superpack-python3.4.exe/download](http://sourceforge.net/projects/numpy/files/NumPy/1.9.2/numpy-1.9.2-win32-superpack-python3.4.exe/download%20) to the download the appropriate numpy 1.9.2 installer.

Run the installer.

Download the “Install Matplotlib (for PC).bat” file from my web site, and double-click it to run it.

Test your installation. Start IDLE (Python 3.4 GUI – 32 bit), type “import matplotlib”, and confirm that this command completes without an error.

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