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. (or go to https://www.python.org ->downloads then scroll down to files and choose Mac OS X 64-bit/32-bit installer)

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 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. (or go to https://www.python.org ->downloads then scroll down to Files and choose the last one: Windows x86 MSI installer)

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 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.