# Installing packages via pip:

-pip is the easiest way and most relyable way to install python modules

-Note: these examples are done with python2.7.16, the latest 2.7 release is now 2.7.18. Does not make much difference…

-**Open a command prompt in admin mode:** Start menu, type **cmd**, right click on cmd.exe and choose **Run as administrator**;

-Then go to the Scripts directory of python2.7:

C:\WINDOWS\system32>**cd \python27\Scripts**

-Now check if the version of pip is correct, it must be python 2.7

C:\Python27\Scripts>**pip -V** (or pip --Version).

pip 18.1 from c:\python27\lib\site-packages\pip (python 2.7)

-Then install or upgrade wxpython, pywin32, six and future:

NOTE: the special option of wxpython:

C:\Python27\Scripts>**pip install wxpython==4.0.3**

C:\Python27\Scripts>**pip install pywin32**

C:\Python27\Scripts>**pip install six**

C:\Python27\Scripts>**pip install future**

-You can check the version of your wxpython version, by starting a python2 session

C:\Python27\Scripts>**..\python.exe**

Python 2.7.16 (…)

Type "help" (…)

>>> **import wx**

>>> **wx.version()**

u'4.0.6 (…)'

>>> (**press ctrl+Z and enter** to quit the python session

When your version is above 4.0.3, you should uninstall the previous installed wxpython:

C:\Python27\Scripts>**pip uninstall wxpython**

and then install wxpython as shown above.

-It does not harm when you repeat a pip install command, in order to check if the package is installed.

# Upgrade pip

-Sometimes you are notified, you should consider to upgrade pip

-Just typing what is suggested does not work:

C:\Python27\Scripts>**python -m pip install --upgrade pip**

'python' is not recognized as an internal or external command,

operable program or batch file.

-If you type **..\** in front of the command, it works:

C:\Python27\Scripts>**..\python -m pip install --upgrade pip**

Collecting pip

Downloading https://files.pythonhosted.org/packages/d7/41/34dd96bd33958e52cb4da2f1bf0818e396514fd4f4725a79199564cd0c20/pip-19.0.2-py2.py3-none-any.whl (1.4MB)

100% |################################| 1.4MB 3.8MB/s

Installing collected packages: pip

Found existing installation: pip 18.1

# Upgrade packages

You can upgrade any of the above packages to the latest release:

C:\Python27\Scripts>**pip install --upgrade six**

DEPRECATION: Python 2.7 will reach the end of its life on January 1st, 2020. Please upgrade your Python as Python 2.7 won't be maintained after that date. A future version of pip will drop support for Python 2.7.

Collecting six

Downloading https://files.pythonhosted.org/packages/73/fb/00a976f728d0d1fecfe898238ce23f502a721c0ac0ecfedb80e0d88c64e9/six-1.12.0-py2.py3-none-any.whl

Installing collected packages: six

Found existing installation: six 1.11.0

Uninstalling six-1.11.0:

Successfully uninstalled six-1.11.0

Successfully installed six-1.12.0

**Note: Python2.7 will not be maintained after January 1st 2020. Work for the Natlink developers to bring Natlink to Python 3!**