Date – 08/01/2018

Installing Software's: -

1. **Pip –**

Type in C Prompt – python -mpip install -U pip

        Easy_install pip

2. **Matplotlib –**

Type in C Prompt – conda install -c conda-forge matplotlib

        python -mpip install -U matplotlib

        pip install matplotlib

3. **Numpy –**

Type in C Prompt – conda install -c anaconda numpy

        Python -m pip install numpy

        Pip install numpy

        Pip3 install "numpy-1.15.0+mkl-cp35-cp35m-win_amd64.whl"

4. **Scikit-Learn –**

Type in C Prompt – conda install scikit-learn

        Python -m Pip install -U scikit-learn

5. **Scipy –**

Type in C Prompt – condo install -c anaconda scipy

        Python -m Pip install scipy

6. **Pandas –**

Type in C Prompt – conda install -c anaconda pandas

        Python -m Pip install Pandas

        Pip install pandas

7. **Graphviz –**

Type in C Prompt – conda install -c anaconda graphviz

        Python -m Pip install graphviz

pip install graphviz

a. Then Download Graphviz (MSI Download)--
   https://graphviz.gitlab.io/_pages/Download/Download_windows.html
b. Get the path for gvedit.exe (for me it was "C:\Program Files (x86)\Graphviz2.34\bin\")
c. Add this path to the computer's PATH
d. One way to get to environment settings to set your path is to click on each of these button/menu options: start->computer->system properties->advanced settings->environment variables
e. Click Edit User path
f. Add this string to the end of your Variable value list (including semicolon): ;C:\Program Files (x86)\Graphviz2.34\bin
g. Click OK
h. Restart your Python IDE or CMD.

8. Pydotplus –

Type in C Prompt – conda install -c conda-forge pydotplus

        Python -m Pip install pydotplus

        Pip install pydotplus

9. Cython –

Type in C Prompt – conda install -c anaconda cython

        Python -m Pip install cython

        Pip install cython

10. Statsmodels–

Type in C Prompt – conda install -c anaconda statsmodels

        Python -m Pip install statsmodels

        Pip install statsmodels

11. Opencv –

Type in C Prompt – conda install -c conda-forge opencv

        Python -m Pip install opencv-python

        Pip install opencv-python

12. Pyprind –

Type in C Prompt – conda install -c conda-forge pyprind

Python -m Pip install pyprind

Pip install pyprind

13. Nodejs –

Type in C Prompt – conda install -c conda-forge nodejs

Python -m Pip install nodejs

Pip install nodejs

14. Tensorflow –

Type in C Prompt – Python -m pip install tensorflow-gpu

pip install tensorflow-gpu

15. Jupyter Notebook – To open Jupiter Notebook

Type in C Prompt – Python -m notebook

python -m pip install jupyter

16. Pyinstaller –

Type in C Prompt – Pip install pyinstaller

It will convert py files into .exe files by typing pyinstaller "Python file name".

Pyinstaller –onefile.\"Pythonfilename"

- To check version pip –
  - python -m pip --version
- To check if the above libraries has installed or not –
  - Enter Conda list into command Prompt
  - Enter Pip list into command Prompt.
- Ls – list all the python files in the folder.
- To get help in python –
  - Enter python in C prompt.
  - Then write help ('module name')
- To open Jupiter Notebook –
  - Type in C Prompt – python -m notebook
    - Or Jupyter Notebook
  - To exit – type Ctrl +C