## Package Requirements:

* Python (any version)
* Jupyter Notebook (link: <https://jupyter.org/install>)
  + For code execution. Will serve as the main IDE. Comparable to Matlab coding style
* MNE (link: <https://martinos.org/mne/stable/getting_started.html>)
  + For EEG visualization and preprocessing
* ConnectiviPy (link: <https://connectivipy.readthedocs.io/en/latest/install.html>)
  + For calculating Partial Directed Coherence and other connectivity metrics
* Networkx (link: <https://networkx.github.io/documentation/stable/install.html>)
  + For graph theory analysis

## Basic PDC generation:

The folder ‘EEG\_Connectivity\_Analysis’ contains multiple items including the .ipynb file (iPython Notebook). This file can be used to generate the PDC values starting from reading EEG text file to the values of PDC. The code is written in boxes of command lines which can be executed step by step.