# Python training for data analysis and display

One of the Linux Operating Systems such as Ubuntu and Mac OS are preferable over Windows OS for this training.

Pretraining Installation instructions:

1. Install anaconda

   This is a preferable way of installing python and other modules and has installation candidates for different operating systems such as MS, Linux, android, …

   Install it from here

   https://www.anaconda.com/

   Once installed it has the recent python3 already installed in your environment. You can choose to install the miniconda, which is lighter and easier on most 4GB RAM PCs and laptops.

2. Install numpy

   conda install -c anaconda numpy


   Source: https://anaconda.org/anaconda/numpy


3. Install pandas

   To install this package run one of the following:

   conda install -c conda-forge pandas

   conda install -c "conda-forge/label/cf201901" pandas

   conda install -c "conda-forge/label/cf202003" pandas

   conda install -c "conda-forge/label/gcc7" pandas

conda install -c "conda-forge/label/pandas_rc" pandas

conda install -c "conda-forge/label/rc" pandas

Source:https://anaconda.org/conda-forge/pandas

4. Install scipy

To install this package run one of the following:

conda install -c conda-forge scipy

conda install -c "conda-forge/label/broken" scipy

conda install -c "conda-forge/label/cf201901" scipy

conda install -c "conda-forge/label/cf202003" scipy

conda install -c "conda-forge/label/dev" scipy

conda install -c "conda-forge/label/gcc7" scipy

conda install -c "conda-forge/label/scipy-dev" scipy

Source:https://anaconda.org/conda-forge/scipy

5. Install xarray

To install this package run one of the following:

conda install -c conda-forge xarray

conda install -c "conda-forge/label/cf201901" xarray

conda install -c "conda-forge/label/cf202003" xarray

Source: https://anaconda.org/conda-forge/xarray

6. Install cartopy

To install this package run one of the following:

conda install -c conda-forge cartopy

conda install -c "conda-forge/label/broken" cartopy

conda install -c "conda-forge/label/cartopy_dev" cartopy

conda install -c "conda-forge/label/cf201901" cartopy

conda install -c "conda-forge/label/cf202003" cartopy

conda install -c "conda-forge/label/dev" cartopy

conda install -c "conda-forge/label/gcc7" cartopy

Source: https://anaconda.org/conda-forge/cartopy

7.  Install your favorite text editor: eg. vim, jupyter-notebook, eclipse, atom, …

https://anaconda.org/kitaloog/00-jupyter-notebook-example/notebook