

# Pre-workshop Setup

## Jupyter Notebooks

Jupyter notebook is a popular interface to write and share data science findings and/or experiments. This notebook will be the delivery medium for the workshop sessions.

### Installation

#### Option 1 - Base Python Installation

```
pip3 install --upgrade pip
pip3 install jupyter
```

#### Option 2 - Anaconda Installation

Download [Anaconda](#) - This python distribution will come with Jupyter Notebook by default

## Python Packages

Certain standard packages will be used for the workshop and will need to be installed via pip installation. Make sure to install these packages and that the codeblocks in the Jupyter Notebook runs.

### Installation

Installation of python packages will normally use the pip command.

#### Option 1 - requirements.txt

If there requirements.txt is present run the following command to install the python environment

```
pip3 install -r requirements.txt
```

#### Option 2 - no requirements.txt (base python)

If requirements.txt is not available, it is possible to perform the installation by installing the packages as a standalone

```
pip3 install <package-name> # example
pip3 install seaborn # to install seaborn
```