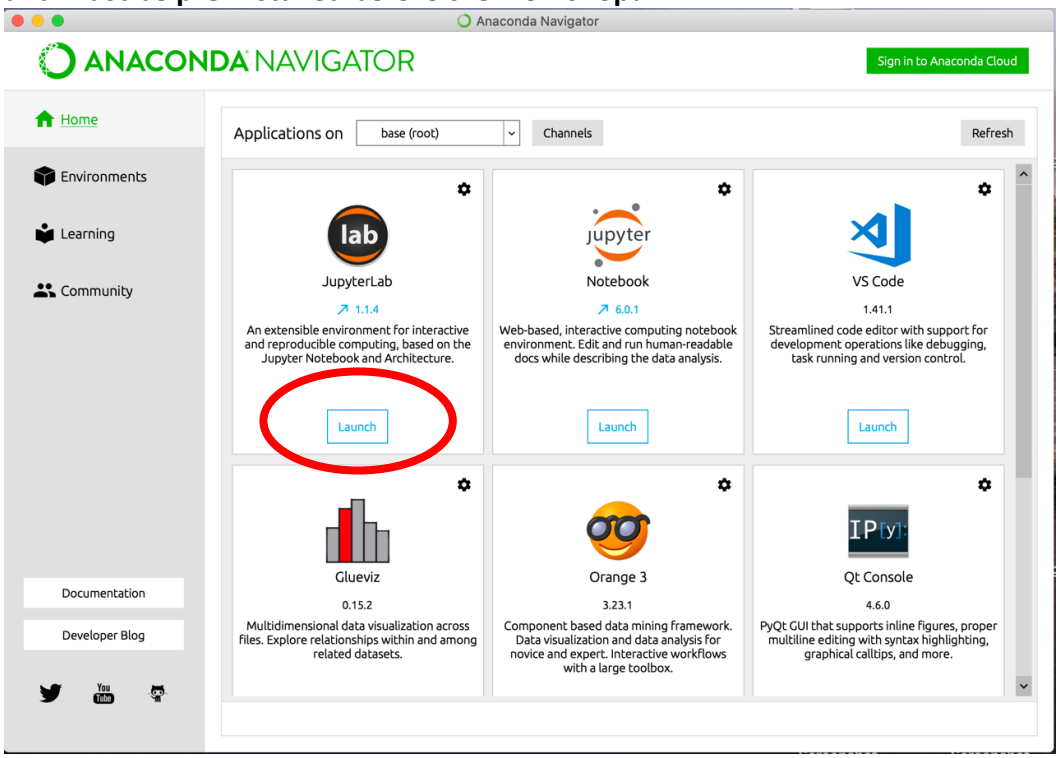
Installing JupyterLab and the required packages

1. Install Anaconda Navigator Platform if you haven't already:
Link: https://www.anaconda.com/distribution/#download-section

2. Open the Anaconda Navigator Platform and then install **JupyterLab.**
Note: JupyterLab will be the main working environment throughout the workshop and must be pre-installed before the workshop!



3. With Anaconda Navigator installed, open **Anaconda Prompt (on Windows)** or **Terminal (on MacOS)**. You can find this by searching in the **Windows Start Menu** or **MacOS Spotlight Search.**

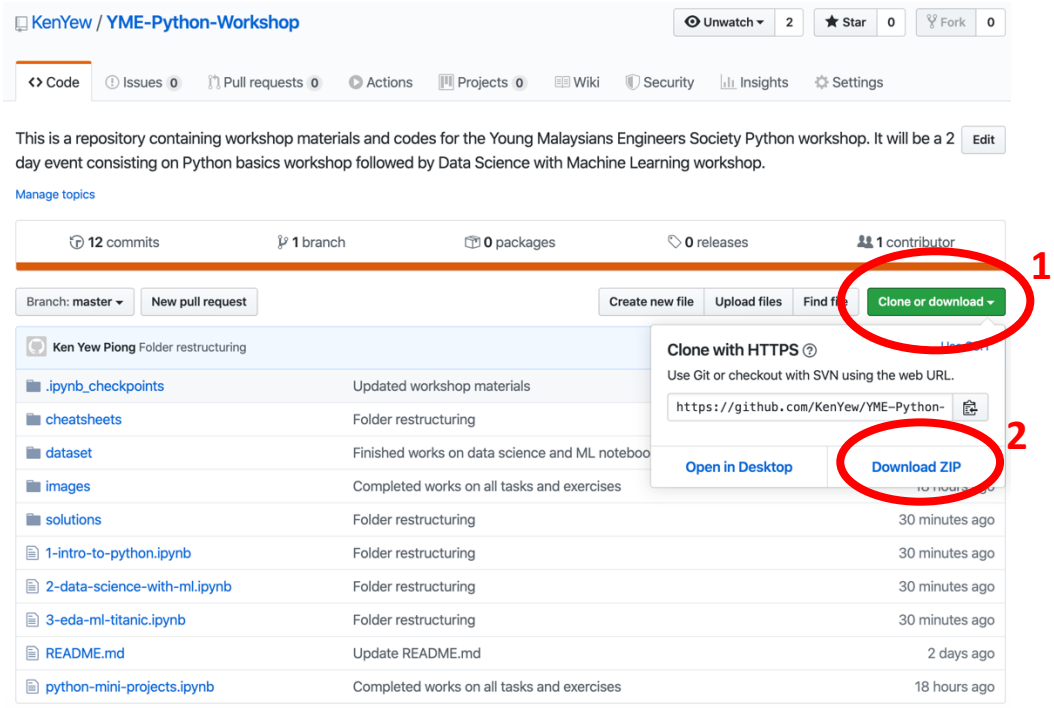
4. In the prompt, type in the following **pip** commands and then press **Enter** to install the required packages. Install the packages below one by one by repeating step 4.
    - pip install **numpy**
    - pip install **pandas**
    - pip install **matplotlib**
    - pip install **seaborn**
    - pip install **scikit-learn**

5. The packages required for the Day 2: Data Science with Machine Learning are:
    - **NumPy:** Scientific computing and multi-dimensional array manipulation
    - **Pandas:** Data frame manipulation and data analysis tools
    - **Matplotlib:** 2D plotting library with MATLAB-like publication-quality figures
    - **Seaborn:** High-level interface for drawing attractive statistical graphics
    - **Scikit-Learn:** Machine learning library with data pre-processing, cross-validation and visualization algorithms

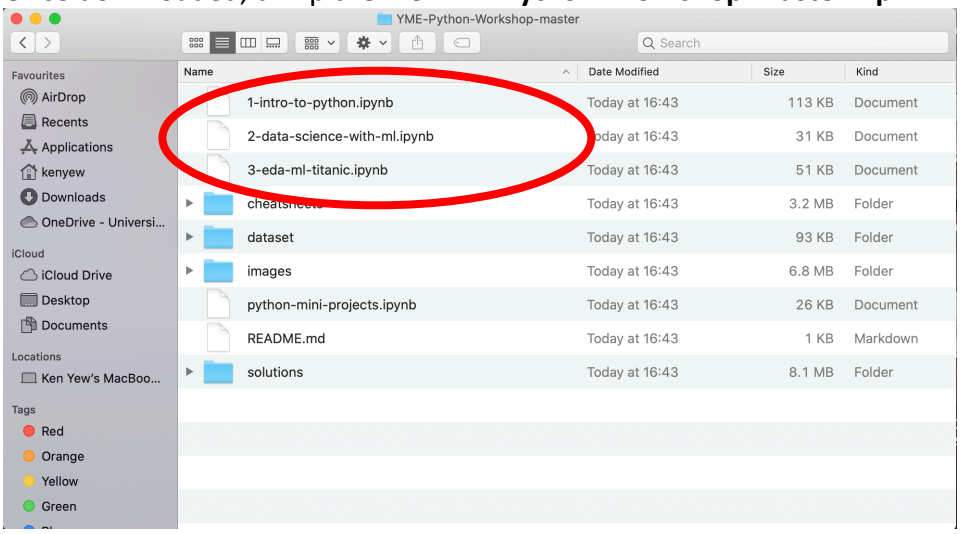
Download the Workshop materials

1. To download the workshop materials, go to the link: https://github.com/KenYew/YME-Python-Workshop

2. Click on **Clone or download** and then click **Download ZIP.**



3. Once downloaded, unzip the file **YME-Python-Workshop-master.zip**



4. Open **JupyterLab** and navigate it to the **YME-Python-Workshop-master** folder you just saved.

5. You can now open the **three main .ipynb files** that will be used for the workshop:
   - **1-intro-to-python.ipynb** – Day 1: Introduction to Python
   - **2-data-science-with-ml.ipynb** – Day 2: Data Science with Machine Learning
   - **3-eda-ml-titanic.ipynb** – Day 2: Titanic Case Study