How to run a Jupyter Notebook?

Anaconda Distribution

2 Options:

- Full `Anaconda` installer (440MBs)
    - Takes more space, better for beginners
- Minimum `miniconda` installer (~60MB)
    - Takes less space, requires you to be comfortable working with the command line

Anaconda Full installer

- One click installer for:
    - Python programming langauge (v3.8 currently)
    - R programming language (optional)
    - `conda` installer for future installs and updates
    - `anaconda` graphical user interface (GUI) for working with `conda`
    - Popular python packages:
        - `jupyter lab`, `jupyter notebook`
        - `numpy`
        - `pandas`
        - `matplotlib`, `seaborn`
        - `scitik-learn`
        - Many others...

Anaconda installer is 440MBs

`miniconda` Minimum installer

- Just the minimum needed to run `conda`
- "Miniconda is a free minimal installer for conda. It is a small, bootstrap version of Anaconda that includes only conda, Python, the packages they depend on, and a small number of other useful packages, including pip, zlib and a few others."
- You are required to install any packages that you want or need to use
- Install package with `conda` package manager
    - `conda install ...`

How to install:

1. To Install the **full `Anaconda` distribution**:

    A. Open a web browser
    B. Go to `https://anaconda.org`
    C. Click on `Download Anaconda` at the top of the webpage
        -   You should be forwarded to this webpage:
            https://www.anaconda.com/products/individual
    D. Click `Download`
        -   If a new window pops up, click on the `X` to close it
    E. Find the installer
        -   As an example the current macOS installer is called `Anaconda3-2021.05-MacOSX-x86_64.pkg`
    F. Double-click the installer and follow the instructions.
        -   **NOTE**: When asked, install the software **only for your use**. **NOT for all users of the computer**.
        -   You should NOT need admin priledges to install this way.
        -   If you have any problems, please read the help offered here:
            https://docs.anaconda.com/anaconda/install/

1. To install the **minimum `miniconda` distribution**:

    A. Open a web browser
    B. Go to `https://docs.conda.io/en/latest/miniconda.html`
    C. Scroll, or move, down to the header **Latest Miniconda Installer Links**
    D. Pick the installer for your computer operating system (Linux, MacOS, Windows)
        -   You will most likely want othe 64-bit version
    E. Run the installer (after it completes downloading)
    F. Open a `Terminal` application
    G. Install the packages you would like to use.