### Step 1: Install Python

Jupyter requires Python, so you first need to ensure that Python is installed on your computer.

1. Go to Python's website and download the latest version of Python.
2. Select “Windows installer” and click download.
3. Follow the on-screen instructions.
4. Verify the installation by opening a command prompt and typing: python -v

Also it is recommended installing Python through the Anaconda distribution as it simplifies package management and deployment.

Installing Anaconda:

1. Download Anaconda: Go to the [Anaconda download page](https://www.anaconda.com/download) and download the Anaconda installer for your operating system (Windows, macOS, or Linux).
2. Run the Installer:

* Windows: Open the downloaded .exe file and follow the instructions on the screen. Make sure to check the box that says "Add Anaconda to my PATH environment variable" for an easy installation.
* macOS: Open the downloaded .pkg file and follow the instructions.
* Linux: Open a terminal, navigate to the directory where the downloaded file is, and run the script with bash Anaconda3-xxxx.xx-Linux-x86\_64.sh, following the on-screen instructions.

1. Verify Installation: Open your command line interface (CLI) and type conda list. If Anaconda is installed correctly, this command will list the installed packages.

### Step 2: Install Jupyter Notebook

If you installed Anaconda, Jupyter Notebook should already be included. To check, you can run:

Open Command Prompt and type jupyter notebook.

This should open Jupyter in your default web browser. If it does not, you might need to install it manually using the following command:

conda install jupyter

### Step 3: Start Jupyter Notebook

To launch Jupyter Notebook:

Open Command Line:

Windows: Open Command Prompt (cmd) or Anaconda Prompt.

macOS/Linux: Open Terminal.

Navigate to Your Project Directory:

Use the cd command to change the directory to where you want your Jupyter notebook files to be saved. For example, if you want to work in a directory named Projects on your desktop, you would use:

cd Desktop/Projects

Start Jupyter Notebook:

Type the following command:

jupyter notebook

This command will start the Jupyter Notebook server locally. Your web browser will automatically open a new tab showing the Jupyter dashboard, or you can navigate to http://localhost:8888 (which is the default port used by Jupyter).

### Step 4: Open the Notebook Project

Now jupyter notebook will open, there search for the ipnyb file called MAB1647, open this file. Now in the cell, type the following statements and install the python libraries and modules to correctly run the project, see the video very carefully. According the video, again I am repeating watch it carefully, according to the video type these codes in the first cell.

# Install necessary libraries

pip install pandas numpy matplotlib seaborn statsmodels scipy

This way you can install other libraries as well.