Introduction to Python

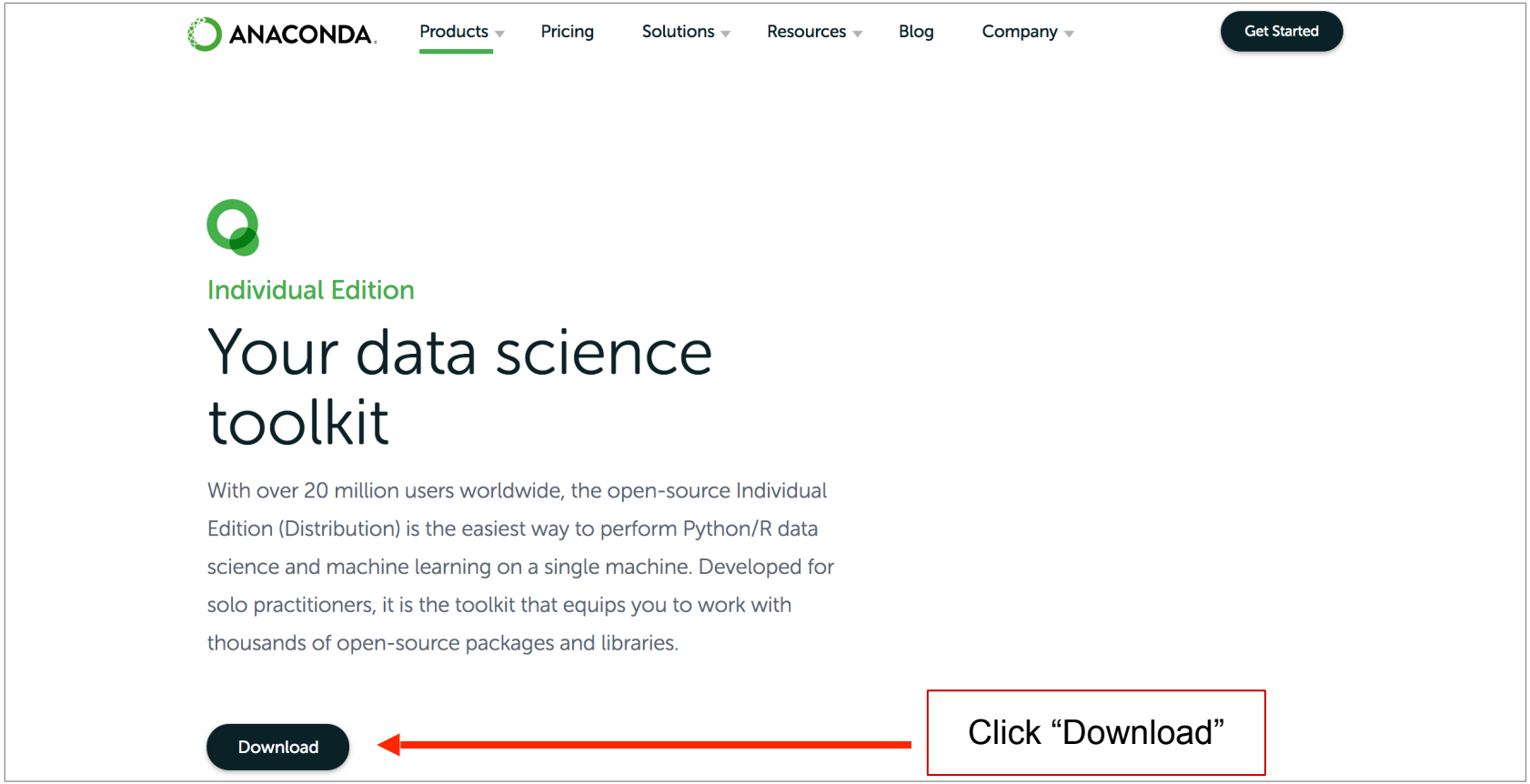
ICPSR Summar Program 2022

Installation Instructions for Python3 & Jupyter Notebook

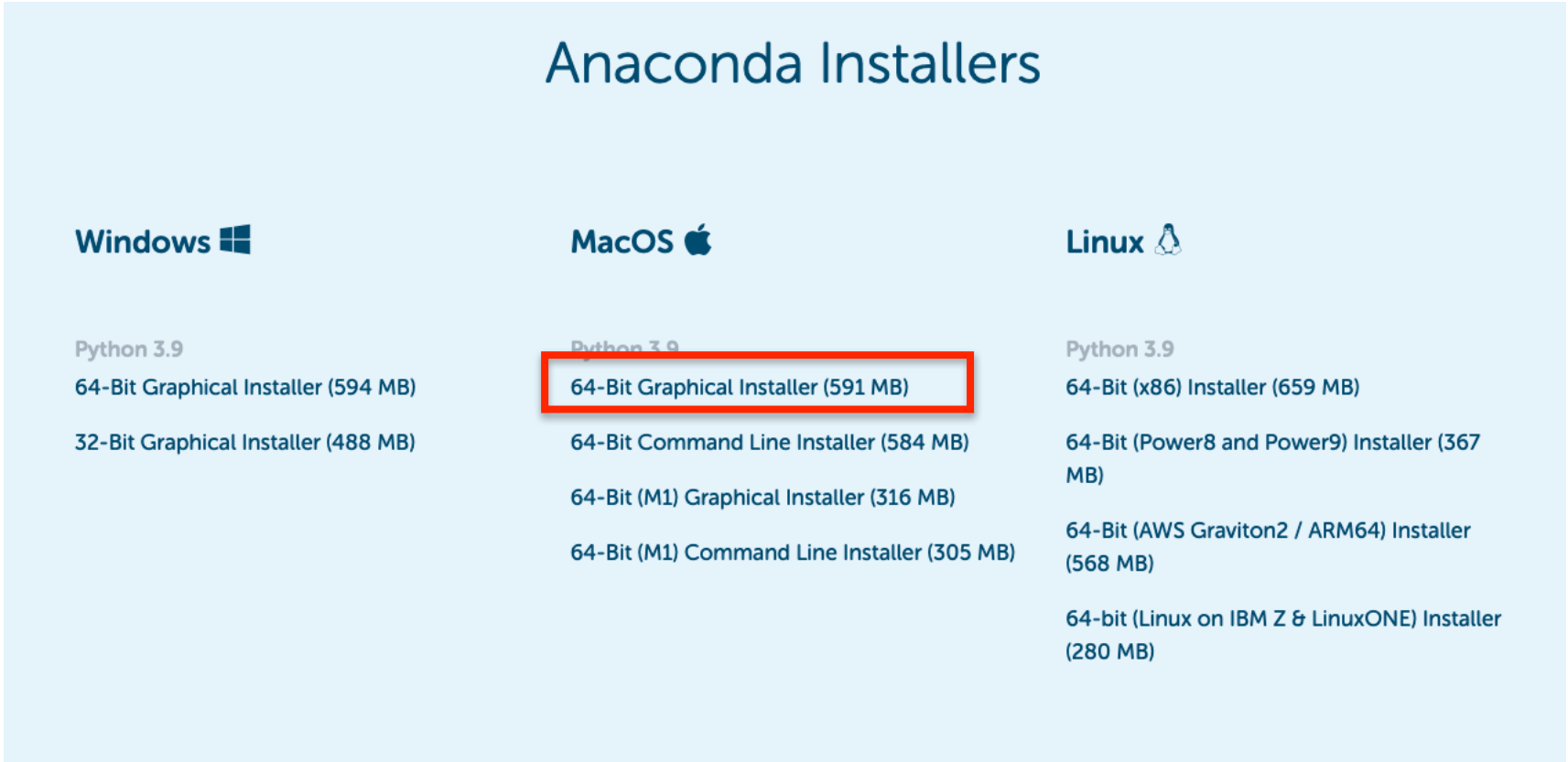
About the Installation Instructions

- This document details the steps for installing Python 3 and Jupyter Notebook on Mac and Windows systems. We will write all the Python code in Jupyter Notebook in this course.
- I **strongly recommend** that you finish installation before the first lecture. Installation may take between 30-60 minutes and would be difficult to due during the lecture.

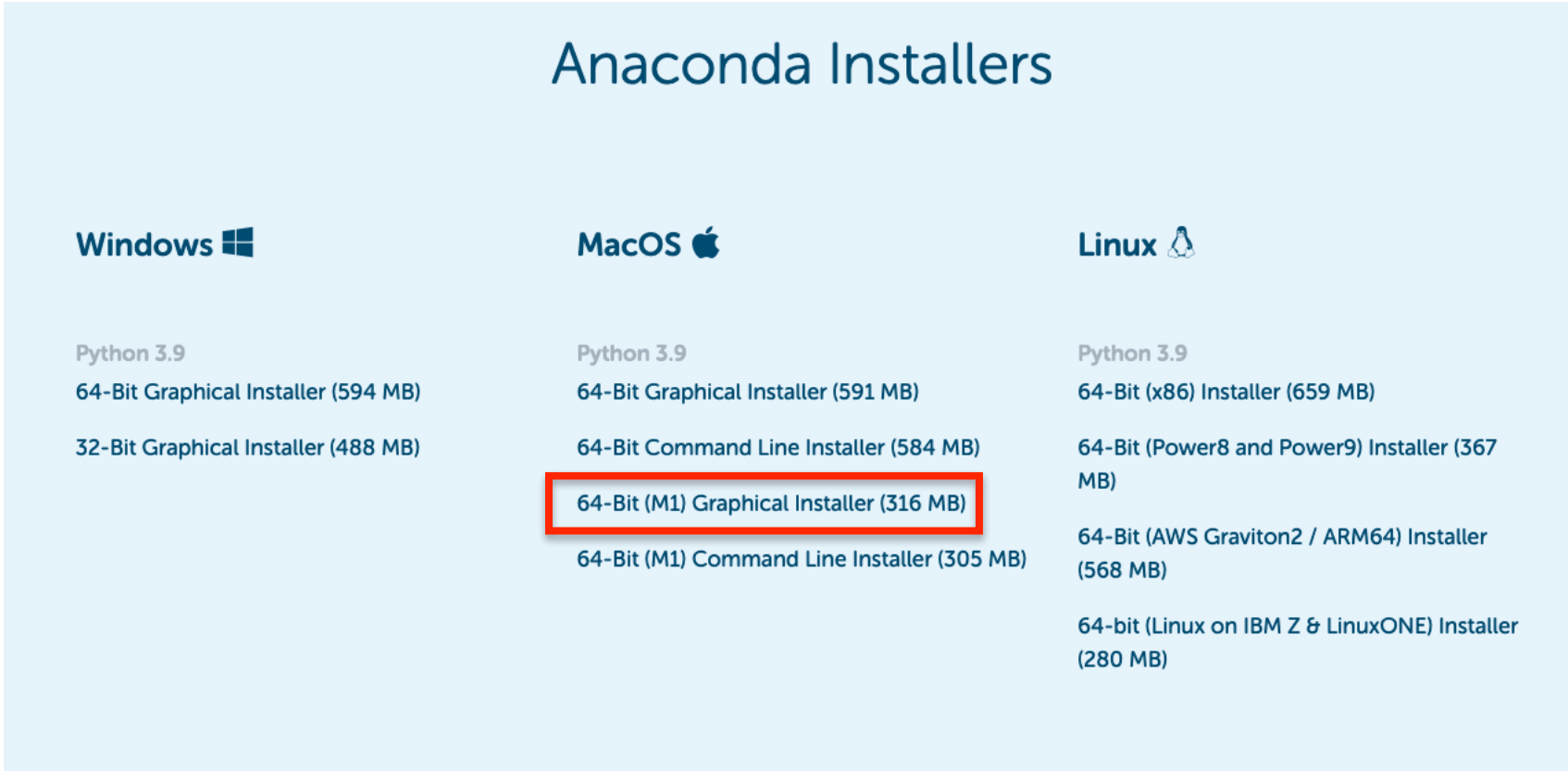
1. Download Anaconda - https://www.anaconda.com/products/individual



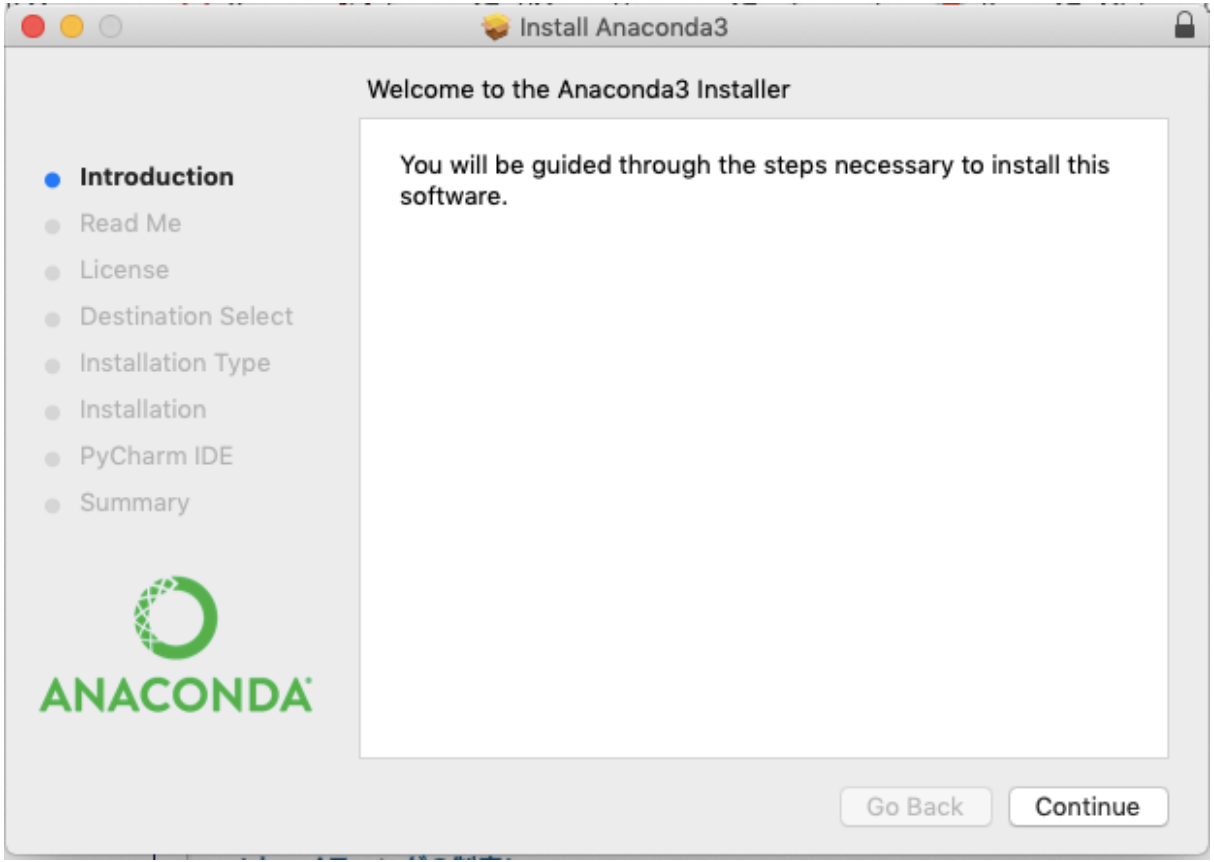
2. Choose the Graphical Installer for Python 3.9 for older macs



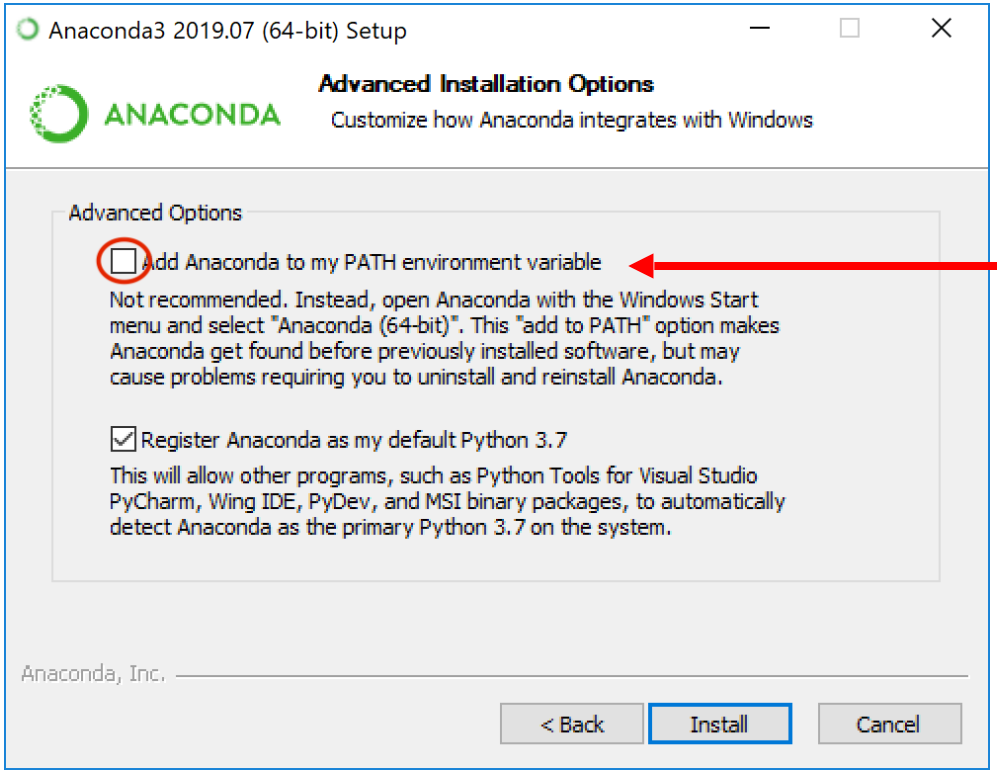
2. Choose the M1 Graphical Installer for Python 3.9 for newer macs



3. For Mac Users: Run the package to install and follow instructions



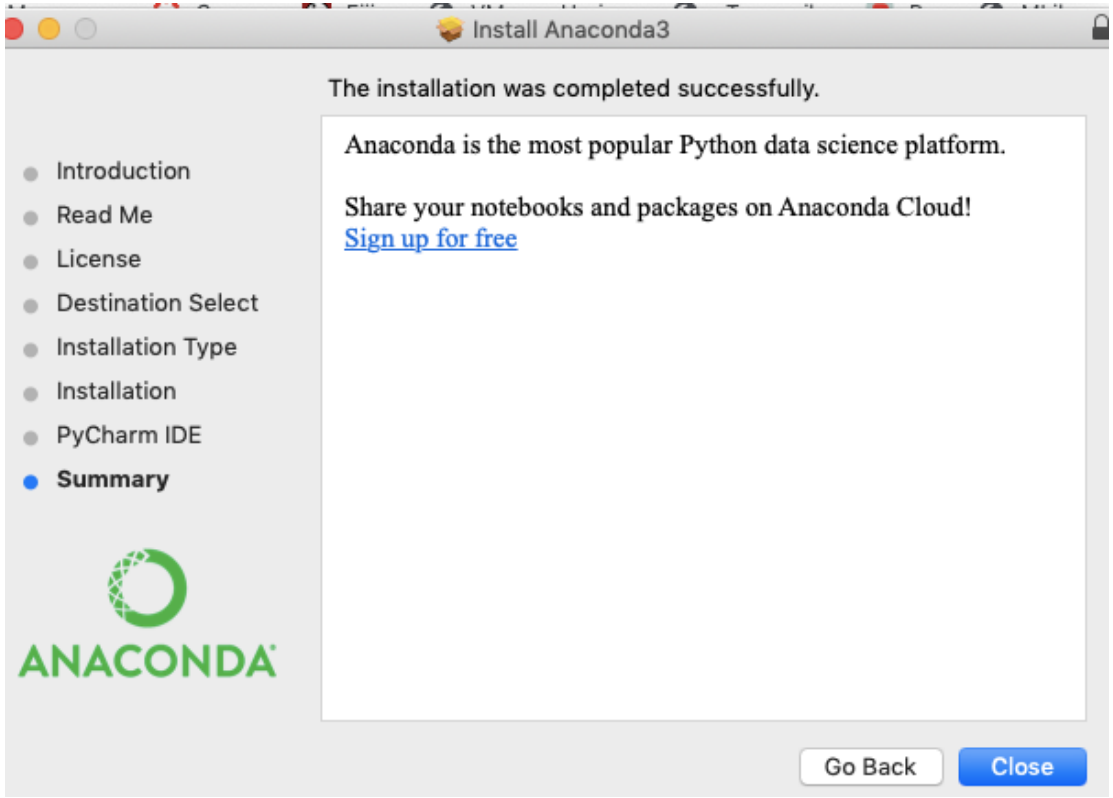
3. For Windows Users: Check Note Below!



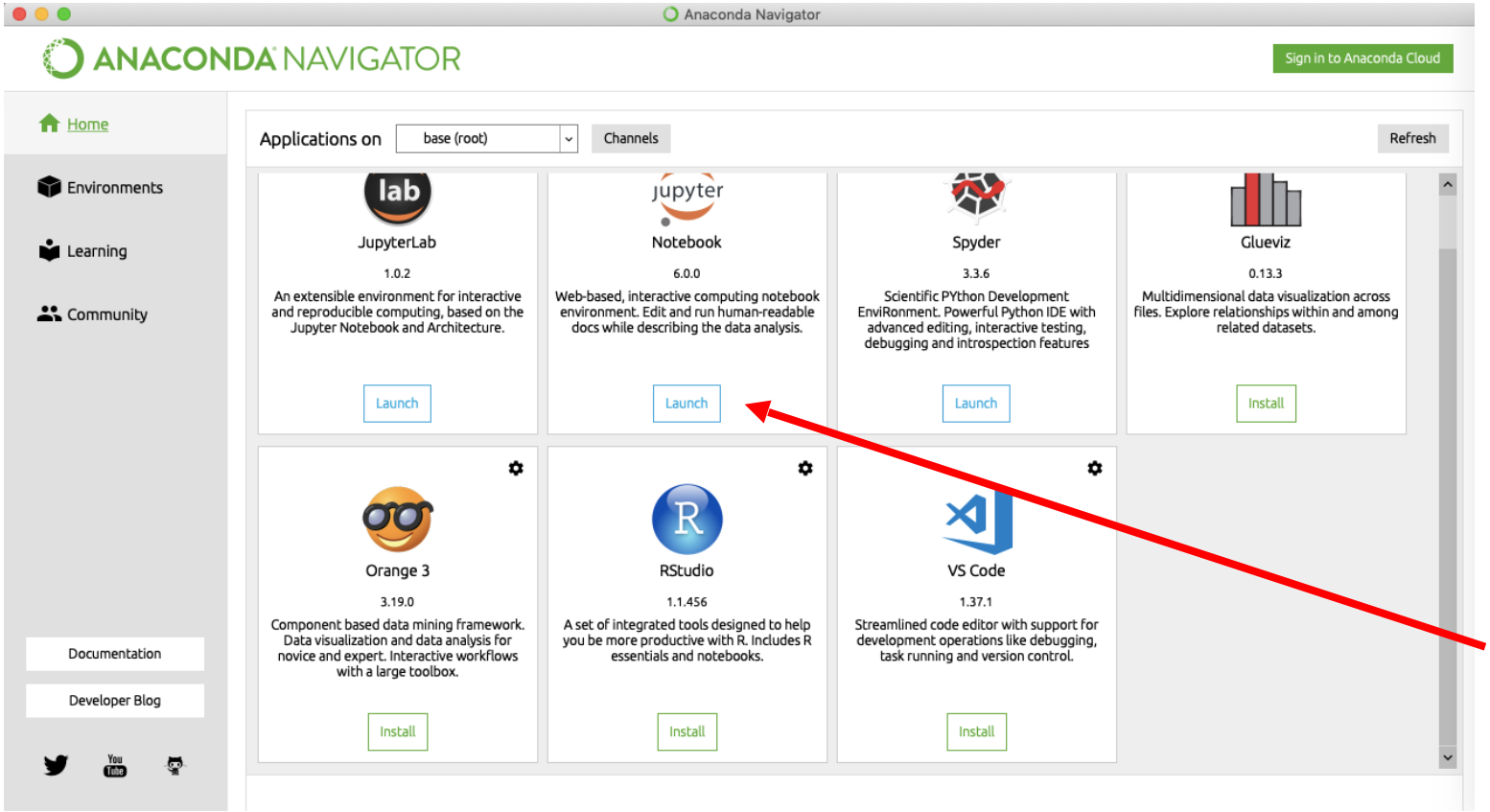
If you are installing Anaconda on Windows, **please check the box marked "Add Anaconda to my PATH environment variable".**

Follow other instructions as mentioned.

4. Finish installation

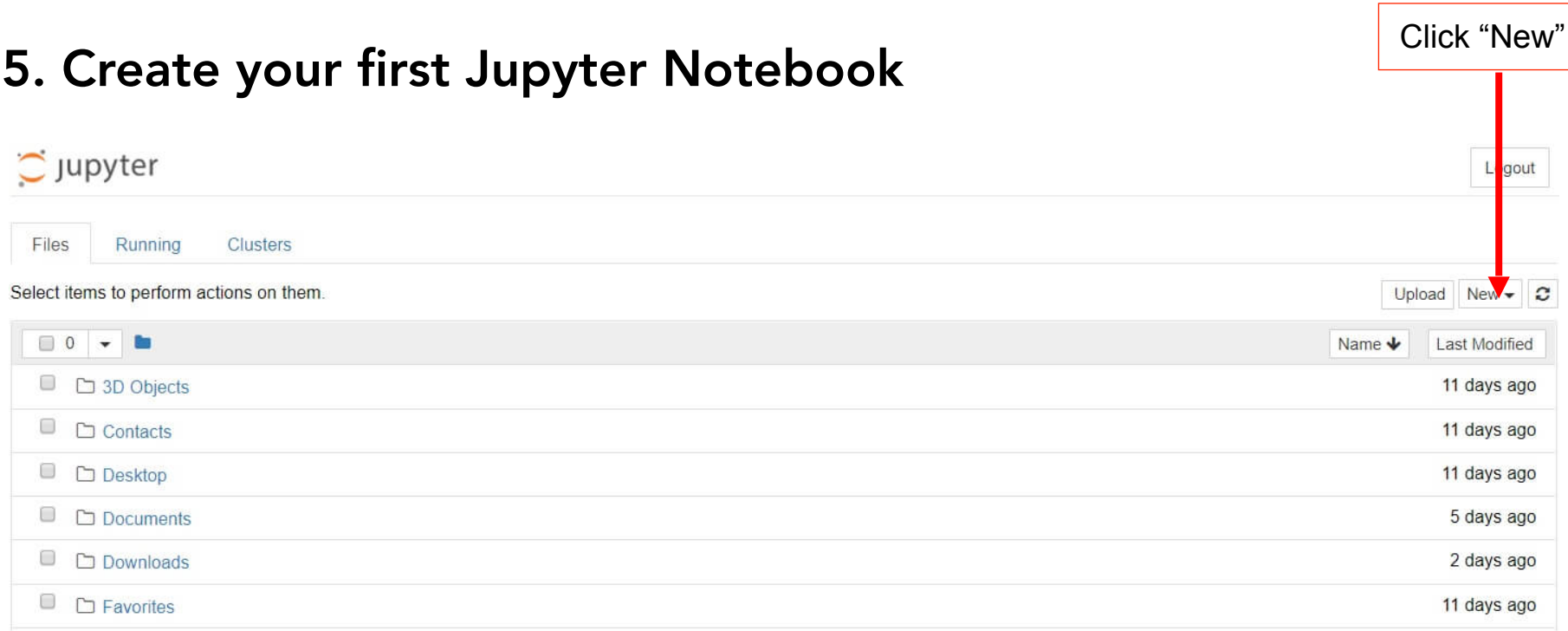


5. Open Anaconda Navigator and Launch Jupyter Notebook



Click "Launch"

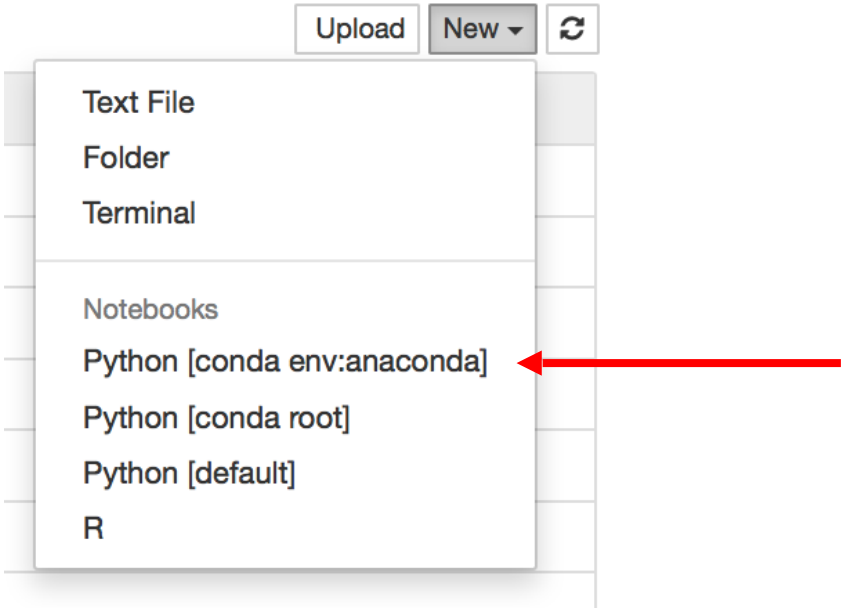
5. Create your first Jupyter Notebook



Clicking the “Launch” button in the Anaconda Navigator will open the Jupyter Notebook dashboard in your computer’s default web-browser. Click the “New” button to create a new notebook

Image Credit: https://www.dataquest.io/blog/jupyter-notebook-tutorial/

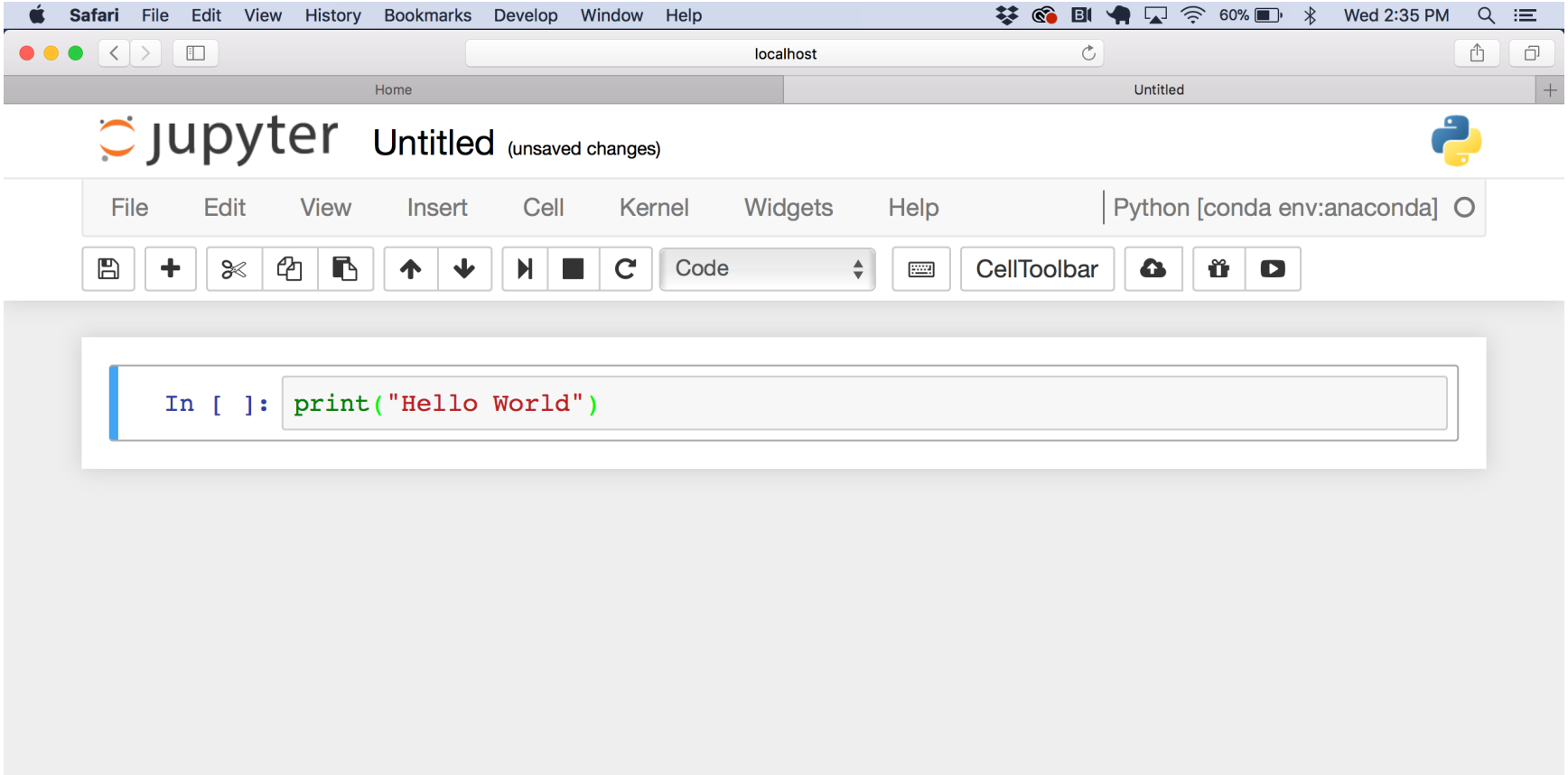
5. Create your first Jupyter Notebook



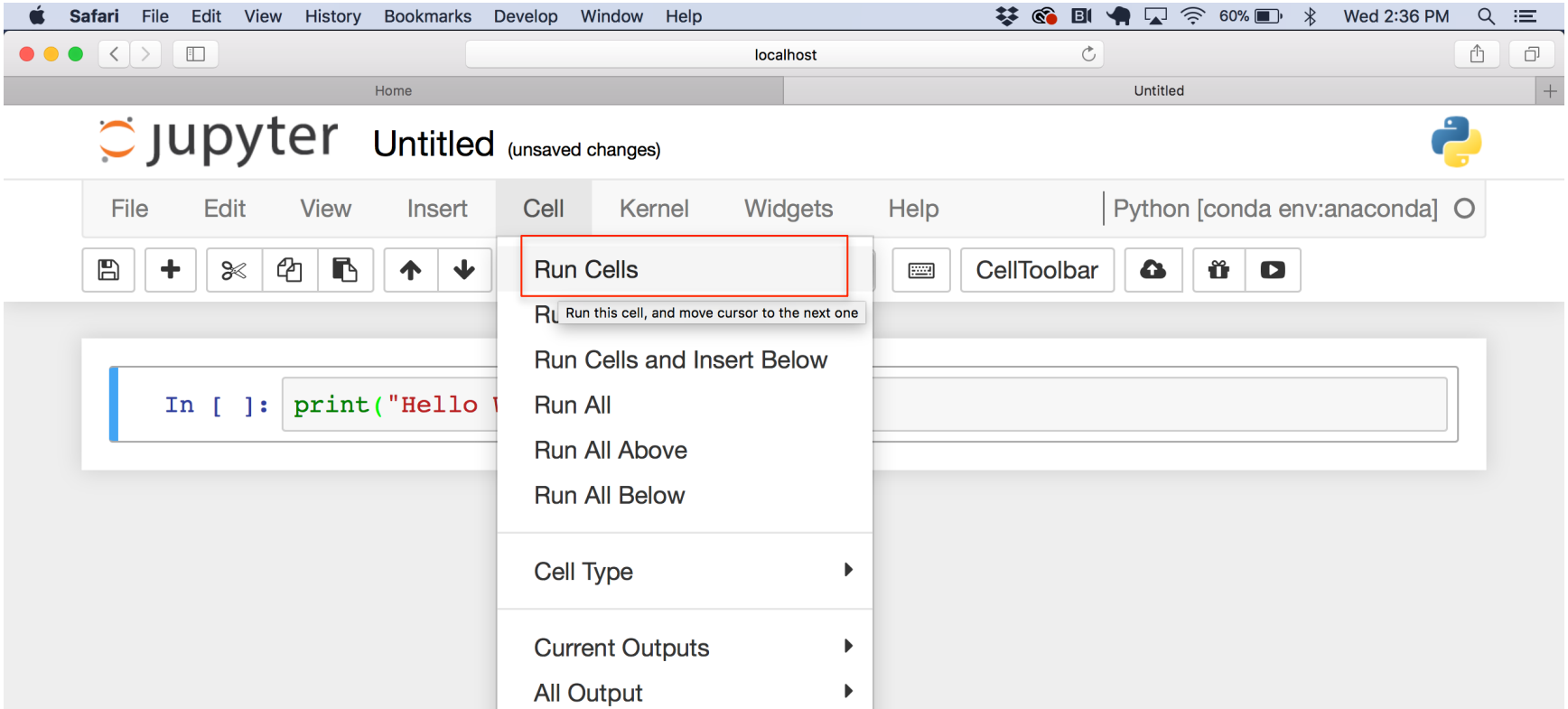
Select “Python [conda env:anaconda]” to create a Jupyter Notebook.

This will launch a new tab in the browser, next to the Jupyter Notebook dashboard tab.

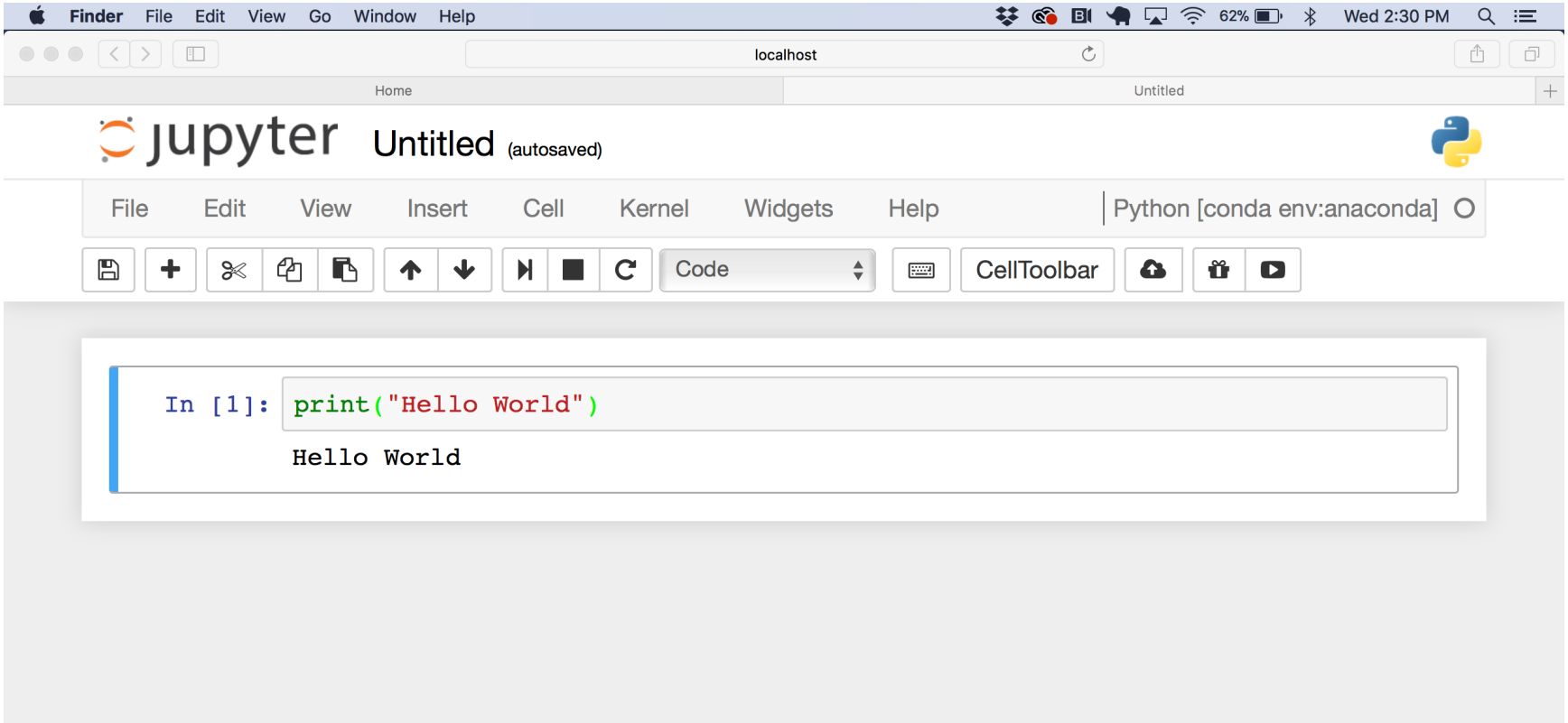
6. Write Python Code in the cell: `print("Hello World")`



6. To run the code in the cell, click “Cell” in the Menu Bar. Then click “Run Cells”



If the everything was installed correctly, the cell should output Hello World as shown below



If the output is not rendered, do not panic! Leave a comment on Canvas / email me (imendoza@umich.edu). Either way, we will fix all installation issues in the first lecture and office hours :-)