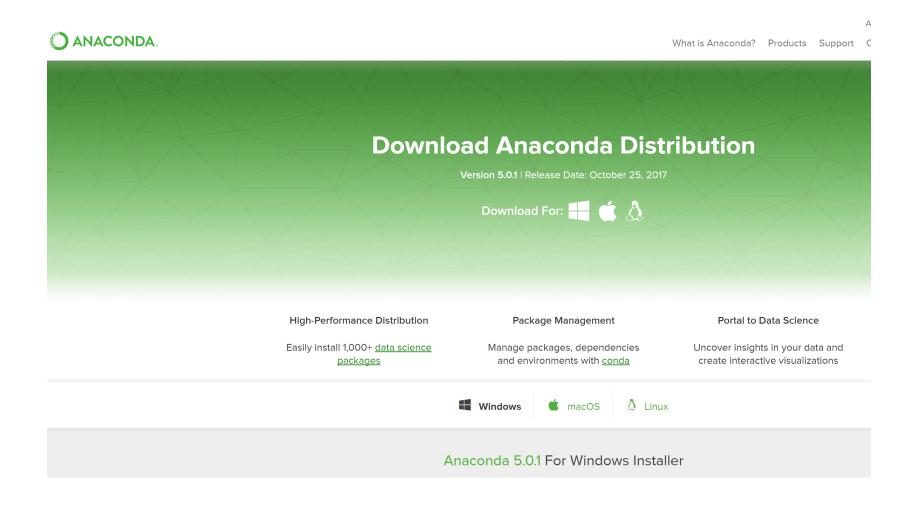
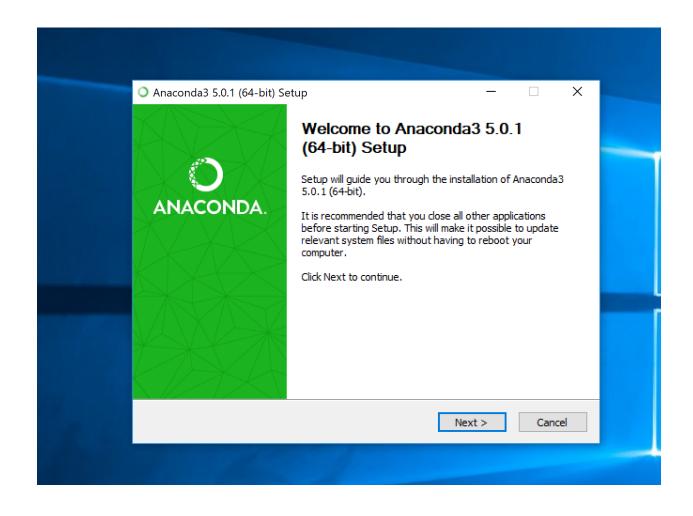
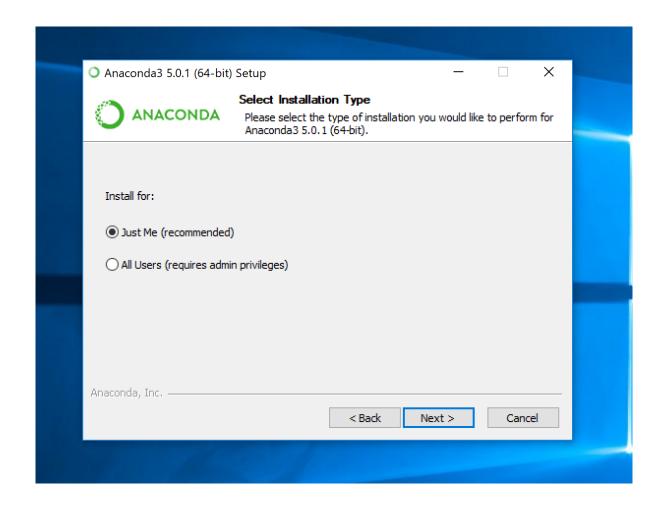
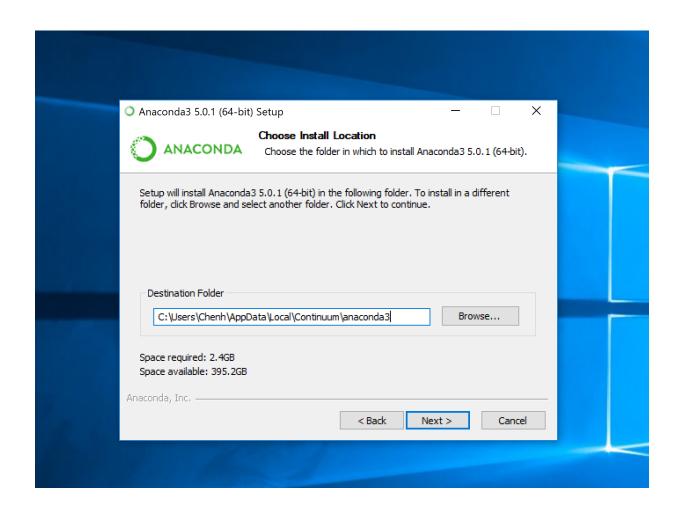
Setting up Anaconda and Jupyter Notebook

https://www.anaconda.com/download/

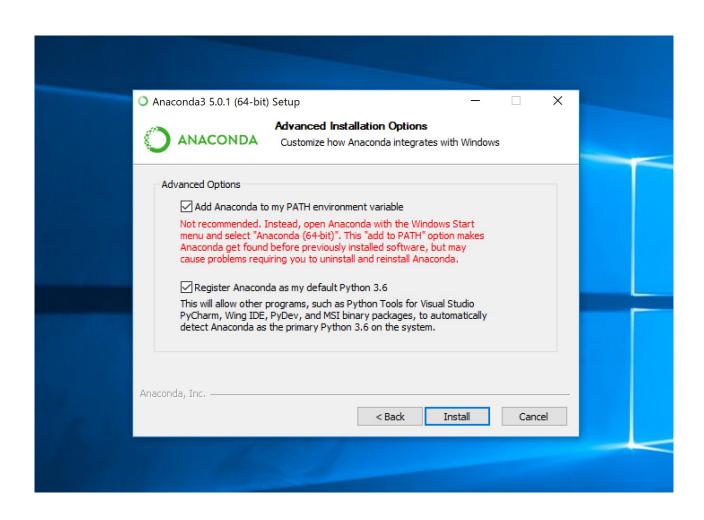


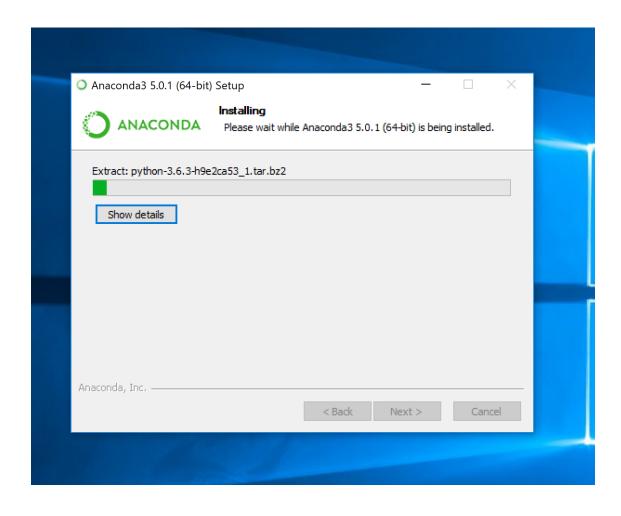




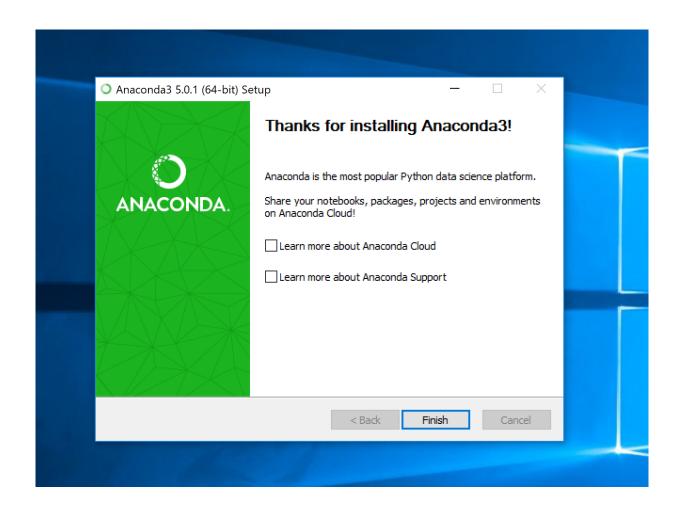


Important: Add anaconda to the PATH environment variable

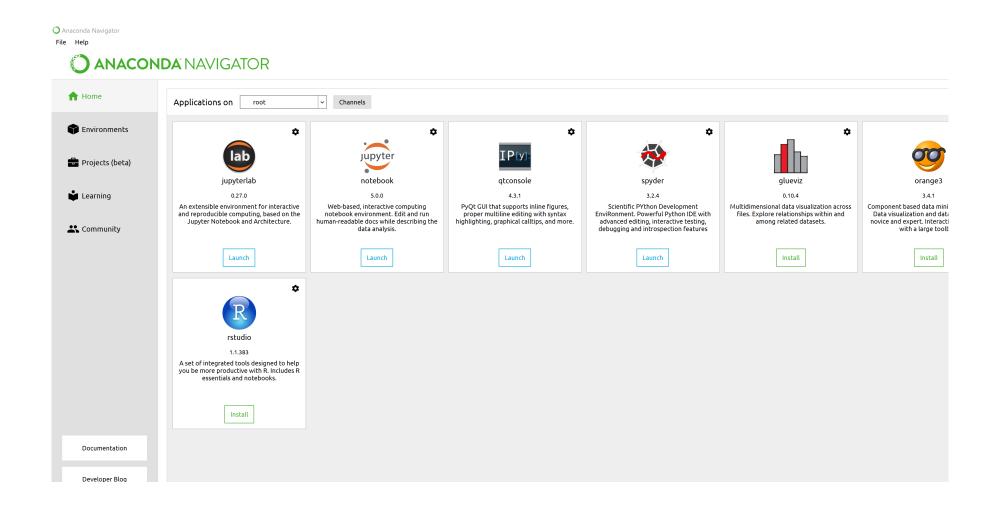




Finished



Launch navigator in start menu



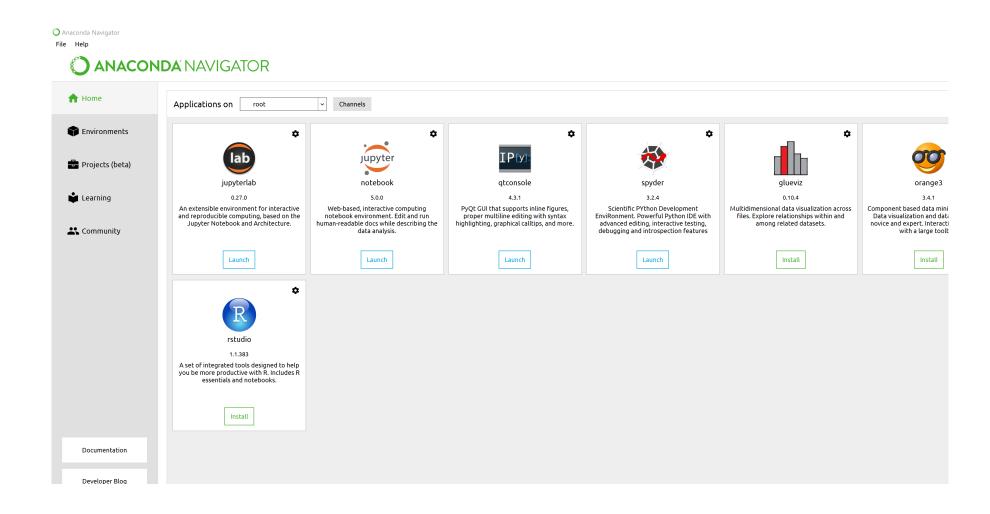
Jupyter notebook



What Is A Jupyter Notebook

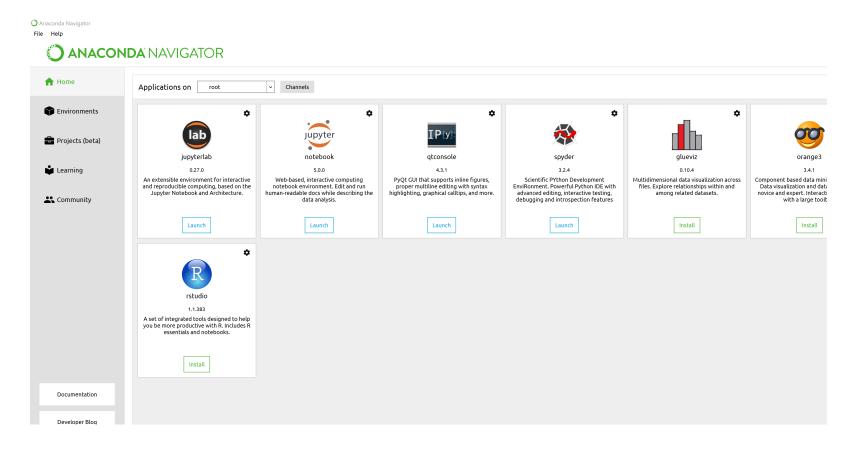
- A document that allows you to mix both code and rich text elements, such as figures, links, equations, together in one place.
- Jupyter notebooks provide interactive Python shell for you to run Python code.
- Great for data analysis, visualization, and sharing code among people.
- Files with extension .ipynb

Jupyter comes with Anaconda

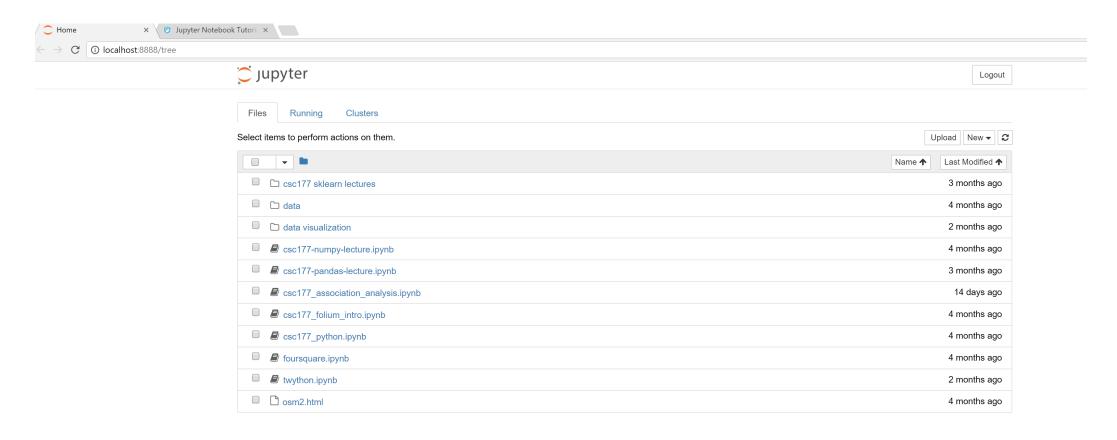


How to open Jupyter notebooks (option 1)

- Launch navigator in start menu
- Launch Jupyter

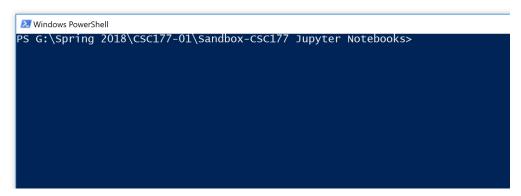


Then you'll see the application running in the web browser on the address: http://localhost:8888.



How To Open Jupyter Notebooks (option 2)

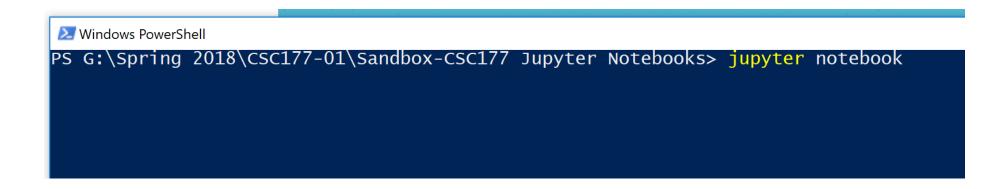
- Go to the folder where your notebook is in.
- Open CLI
 - E.g., on Windows, shift + right click, then select "open Powershell window"



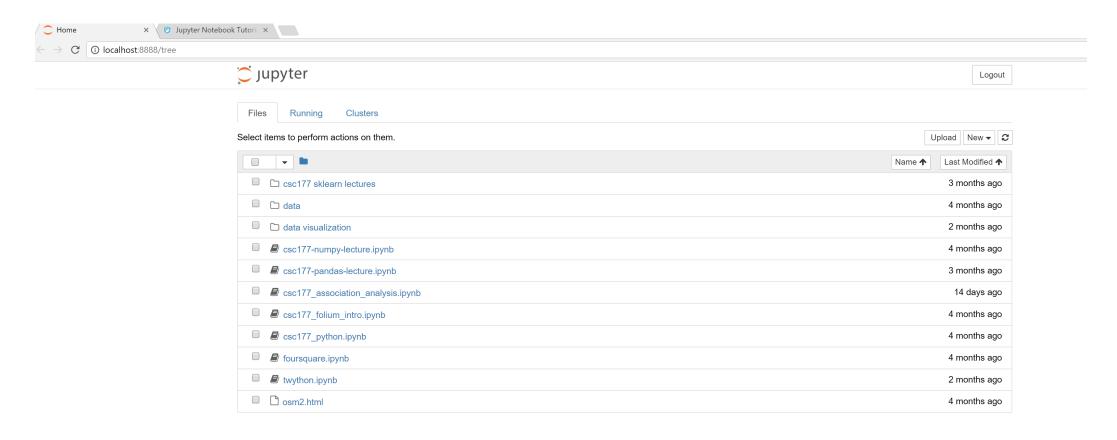
Run the following command to open up the application:

jupyter notebook

How To Open Jupyter Notebooks (option 2)

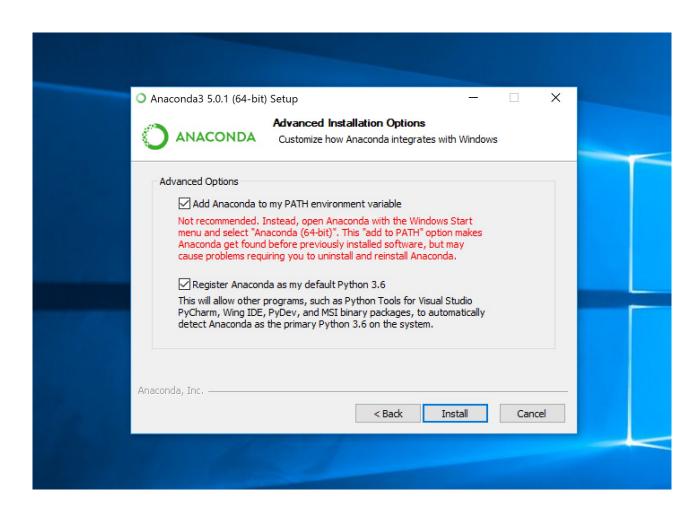


Then you'll see the application running in the web browser on the address: http://localhost:8888.



If you got this...

Make sure you added anaconda to PATH environment variable



Jupyter notebook has two types of cells

- Code cell: where you run your Python code
- Markdown cell: where you insert text/image/figure/audio/video

How to run each cell?

Executing cells

Shortcut	Description
Ctril + Enter	run selected cell
Shift + Enter	run selected cell & select next cell
Alt + Enter	run selected cell & insert next cell

Each cell has two input modes

- Each Jupyter notebook cell has two different keyboard input modes.
 - Edit mode allows you to type code/text into a cell and is indicated by a green cell border.
 - Command mode binds the keyboard to notebook level actions and is indicated by a grey cell border.

Keyboard shortcuts for edit mode

Only in Edit Mode

Press Enter to enter the Edit Mode

Shortcut	Description
Tab / Shift + Tab	indent selected code block
Ctril + Z / Ctril + Shift + Z	undo / redo
Ctril + /	toggle comments

Keyboard shortcuts for command mode

Only in Command Mode

Press Esc to enter the Command Mode

Shortcut	Description
Y / M / R	change the type of current cell to code / markdown / raw
1,2,3,6	to heading 1,2,36
A / B	insert cell above / below
x / c	cut / copy current cell
D D	delete current cell
V / Shift + V	paste cell below / above