

Step 1:

- a. If you are on campus, make sure you are connected to **eduroam** wifi.
- b. If you are doing this lab or homework **not on campus**, you need to connect to campus via **UNC VPN** first! Follow installation and login instructions here:
<https://tech.kenan-flagler.unc.edu/it/it-services/cisco-anyconnect-vpn-instructions/>

Step 2: Log into the DATA110 computing environment

We will use **JupyterHub** in this class to make sure everyone is working on the same *virtual* computers (instead of relying on your laptops). This will make our programming experiences much much much much smoother. To do this, all you need is a secure internet connection via eduroam or UNC VPN.

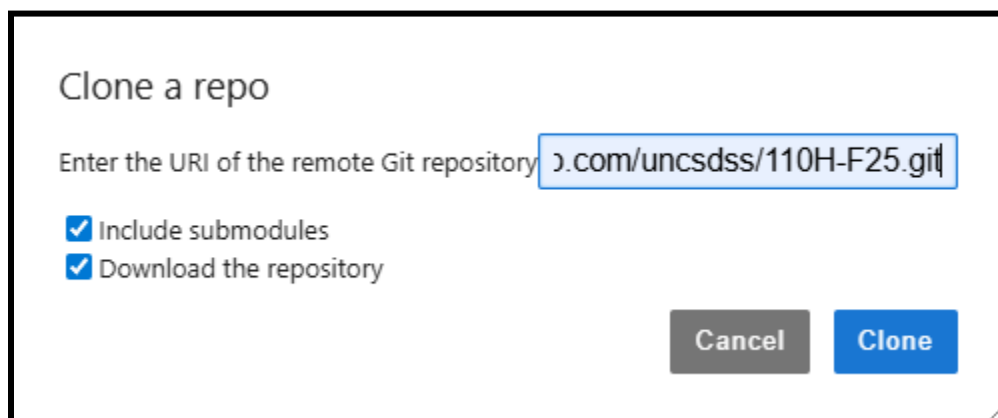
Visit <https://data110h-001.sdss.unc.edu/> and log in with Onyen.

Or you may click on JupyterHub on the Canvas menu. This will take you to the appropriate website.

Now you have access to your virtual personal computer!
Since this is your first time accessing it, we need to set up some things.

Step 3: Download course material

Git -> Clone a repository: Enter <https://github.com/uncsdss/110H-F25.git>




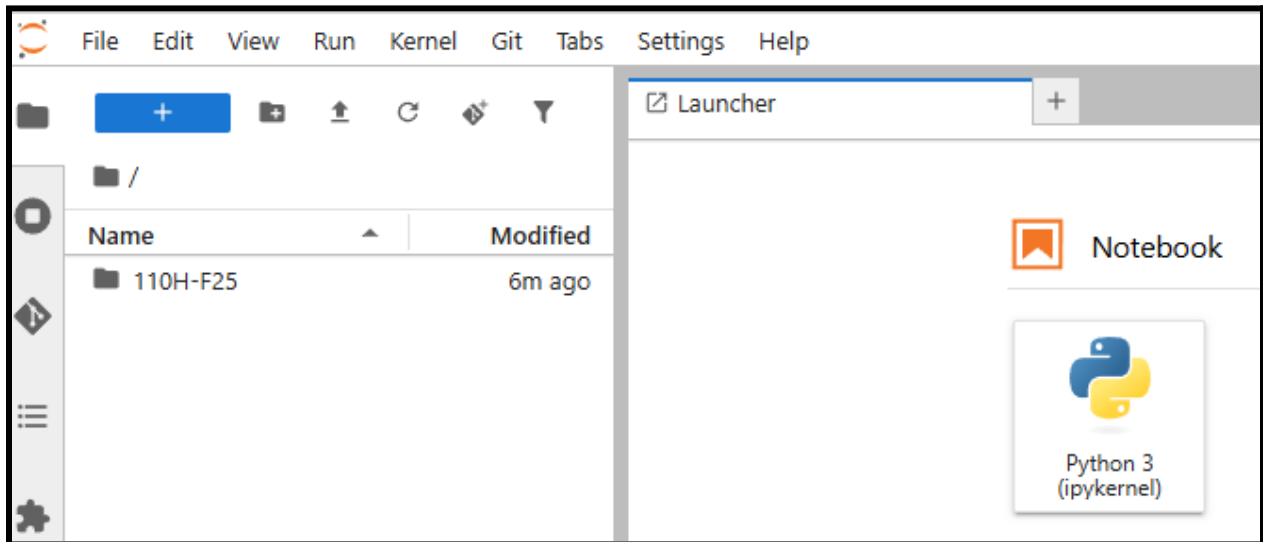
Clone a repo

Enter the URI of the remote Git repository

☒ Include submodules

☒ Download the repository

You should now see a new folder appear on your left sidebar. If you don't see it, try clicking the refresh button . You can now double click on the folder to see the files/folders inside. This is an easy way for us to share class material with you without having to upload/download to Canvas.



When we add new files on our end, you will download them by first double-clicking on “110H-F25” in the file pane on the left, then select from the menu:

Git -> Pull from Remote

You can safely ignore all other options.

Step 4: Open the notebook file for lab0

In the file navigator on your left, double click these names in the following order

110H-F25 -> lab -> lab0 -> lab0.ipynb

A screen should appear on your left. Now you can follow the instructions in lab0.ipynb.