Setting up on Midway and Jupyter

Spring 2020, University of Chicago

Here are some steps to get you set up and oriented:

1. Open a new tab in your browser, and direct your browser to https://jupyter.rcc.uchicago.edu/, you will be prompted to put in your UChicago credentials and arrive at a screen that looks like Figure 1.

2. Go to the upper right corner, click on "New" and choose "Terminal" in the pulldown menu. A black box will open in a new tab (see Figure 2), this is the terminal where you can operate as in a Linux environment. You can find some basic Linux commands here: https://maker.pro/linux/tutorial/basic-linux-commands-for-beginners, though we won't need much of these in the class.

3. We like you to "clone" the class repository (https://github.com/chihway/astr133) into your home directory so you can play with it on your own. To do this, type "git clone https://github.com/chihway/astr133.git" (see Figure 2). The screen will print out the progress of the repo being cloned.

4. Now you can switch back to the original tab and you will find a folder "astr133" there (see Figure 3).

5. Click on this week's activity (Week 3). There will be one Jupyter notebook in there called "StellarStructure.ipynb", click on that, and you will be in the interface where you can follow the instructions and run the code.

6. When are are done playing with it, go to the "Ruuning" tab on the top of the page (see Figure 3) and kill all the processes you have started.

7. Next time you like to revisit the code, you can skip step 2-4.

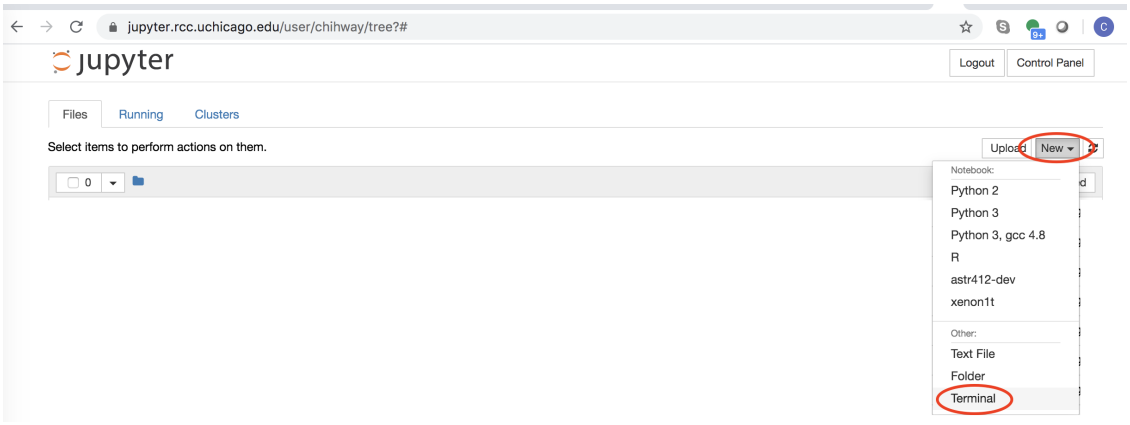

Figure 1: What you see when you first log in to the midway Jupyter interface.

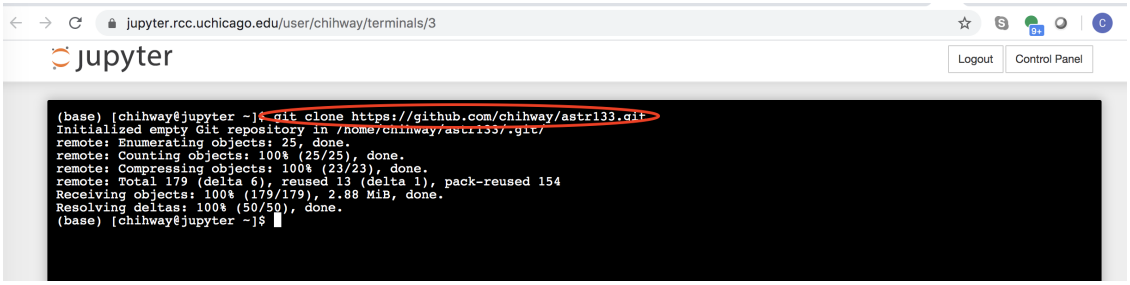

Figure 2: Opening a terminal and cloning the astr133 repo.

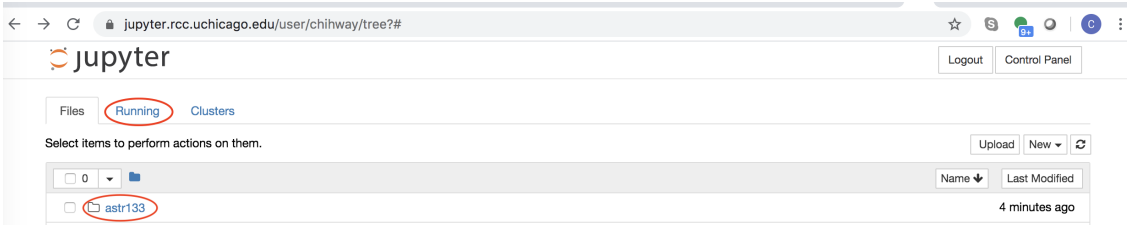

Figure 3: Now you have the repo, go ahead and explore the activities in class!