Instructions for accessing data on the LCSE Jupyter Hub
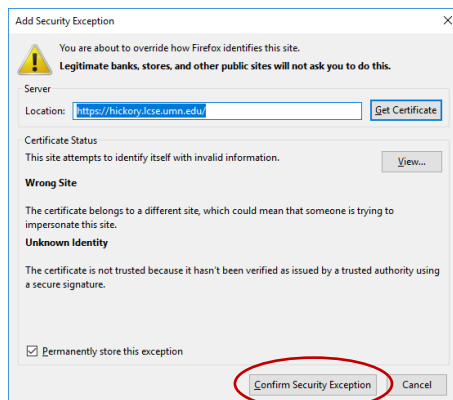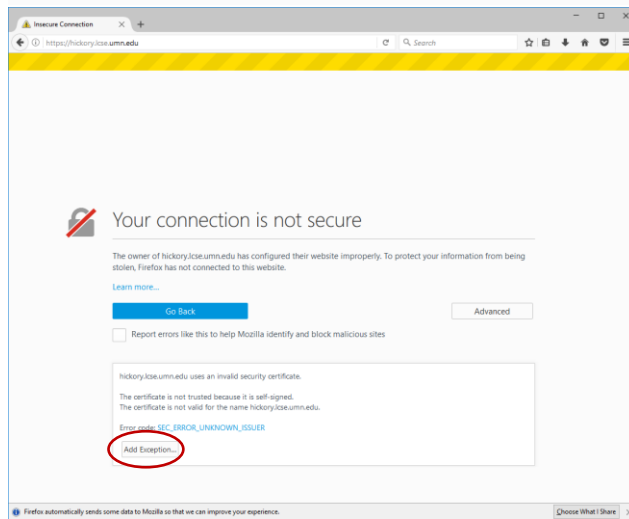
1. Connect to https://hickory.lcse.umn.edu
   a. If it is your first time visiting the site, be prepared to add an exception to our SSL certificate. In Firefox, a message will pop up asking if you would like to add the site's SSL certificate. Do so to proceed.
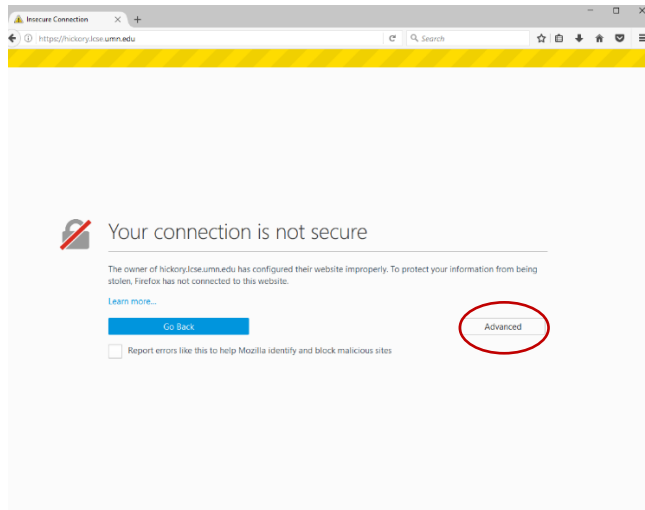
2. Log in with a Github Account.
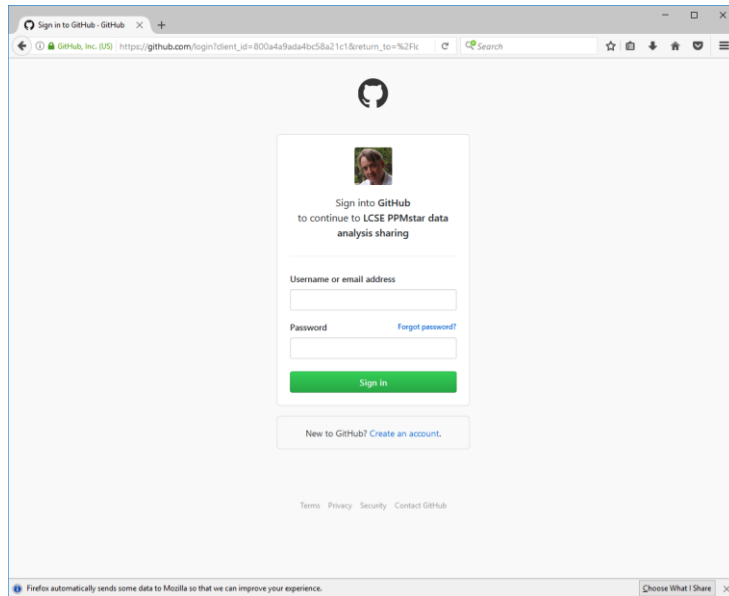
3. Add the application (our Jupyter Hub) to your account
   a. You will be prompted if it is your first time logging in
4. From here, you should be at the home page of the Jupyter Hub. Click "Start Server" to start your instance of Jupyter.
5. We have some premade scripts, and an IPython notebook located under the home directory called "Render-Notebook.ipynb". Double-click the name to open the notebook in a new tab.
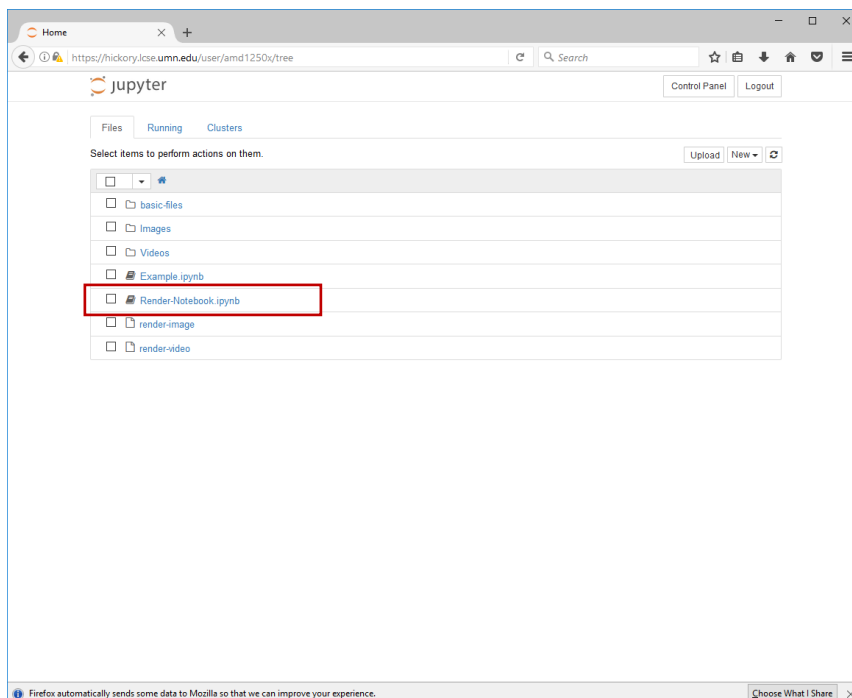
6. From here, you should be able to recognize the formatting of the different commands.
   a. Images are as follows:

   ./render-image 350 FV view z=0

   b. To render and view the image, run each cell.

To run a cell, click on the cell, then use the macro **Shift-Enter**, or alternatively you can click the button in the toolbar circled in red in the previous image.
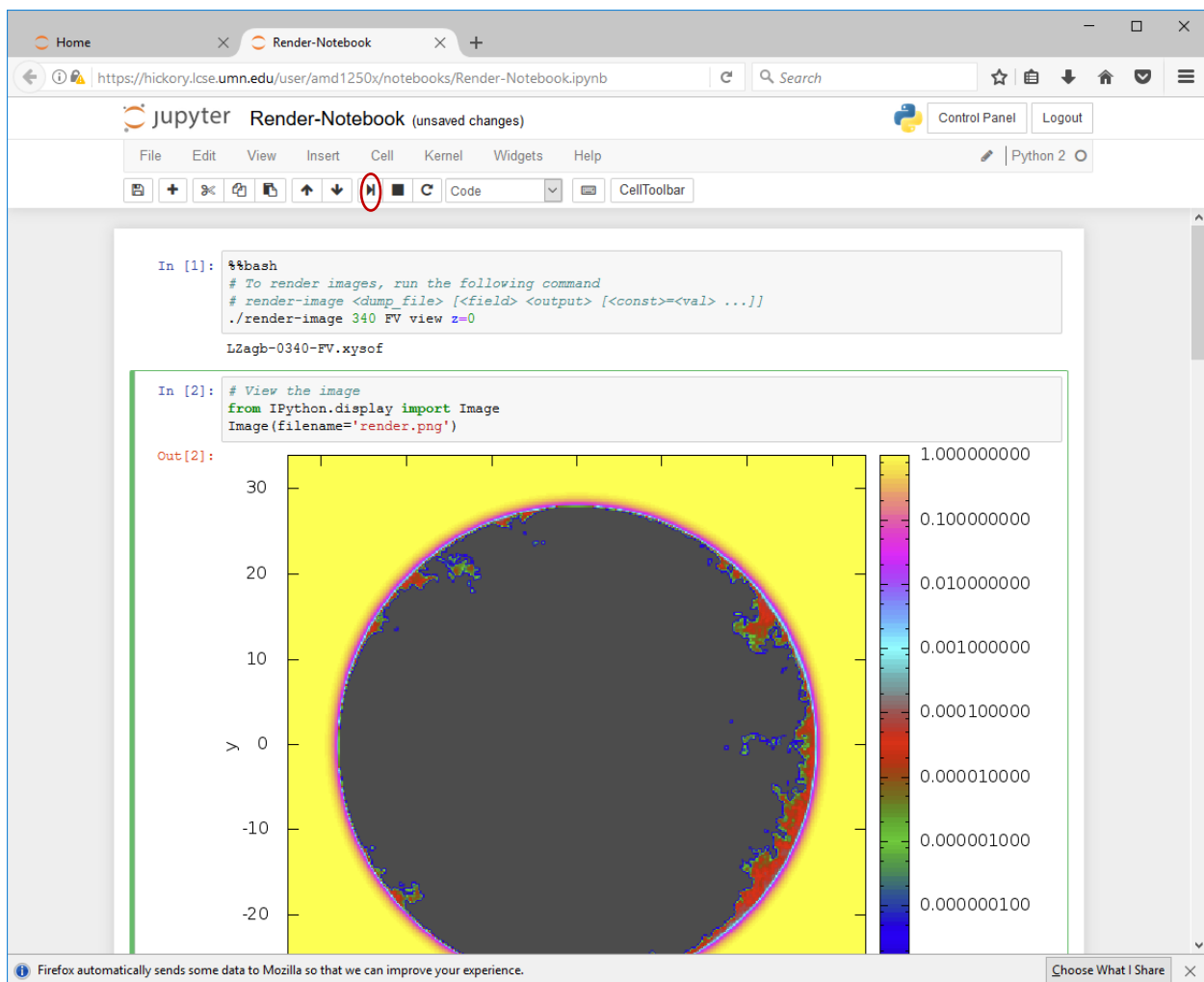
   c. Videos are as follows:

   ./render-video 350 400 FV view z=0

   This renders dumps 350 to 400 inclusive into an mp4 video file that can be played in browser by running the next cell.