ECON 611
PC USERS ONLY!

Part 1: Jupyter notebook & Anaconda:

From the "Required Tools For Class" document, you must have Anaconda already installed. If you have not done so, please complete this first: Required Tools For Class

1. Once you've successfully downloaded Anaconda you can begin with the installation commands for Jupyter.

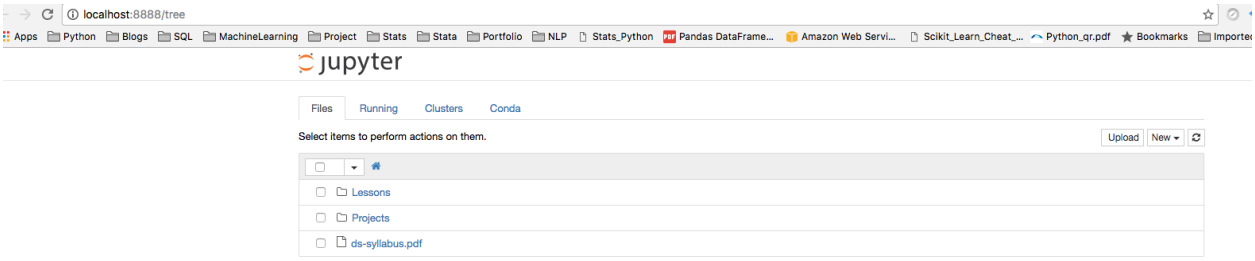
    a. All installation commands should be run in the Terminal (Linux) or the Command Prompt/Powershell (Windows).

    b. Windows Users search for either **powershell** or **cmd** in your windows search tool to find your appropriate installation tool.

    c. You also have the option of using the **Anaconda Command Prompt**, but use the Terminal or Command Prompt/Powershell.

2. Once the installation is done, in your terminal/command prompt type: **jupyter notebook** and **press Enter** (see picture below)

3. You should eventually see a **new** tab open up in your browser for you to begin using Jupyter Notebooks.

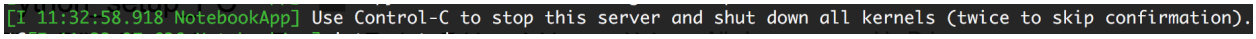


a. Don't worry if your tab says something like *"Conda [Root]"* or *"Python Default"*, either of these options will work fine. You can click on these to start a new python file.

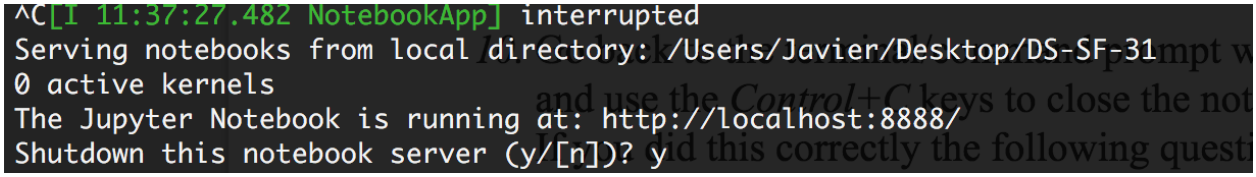
4. Now we need to learn how to close the new tab on your browser. *Note the following lines taken directly from the jupyter notebook beginner guide http://jupyter-notebook-beginner-guide.readthedocs.io/en/latest/execute.html#shut-down-the-jupyter-notebook-app:*

a. In a nutshell, closing the browser (or the tab) **will not close** the Jupyter Notebook App. To completely shut it down you need to **close the associated terminal**. In more detail, the Jupyter Notebook App is a server that appears in your browser at a default address (*http://localhost:8888*). Closing the browser will not shut down the server.

5. Go back to the terminal/command prompt where you previously typed jupyter notebook and use the ***Control+C*** keys to close the notebook (both keys should be press at the same time => see image below)



6. If you did this correctly the following question will appear in your terminal: **Shutdown this notebook server (y/[n])?** => then type **y** and press **enter** => your notebook is now closed (see image below):



7. For more information on the Jupyter Notebook system see the official documentation.

a. Additional information on Jupyter Notebook Manual
https://jupyter.brynmawr.edu/services/public/dblank/Jupyter%20Notebook%20Users%20Manual.ipynb

Part 2: GitHub

1. For information on Git please revise this links
   a. https://guides.github.com/activities/hello-world/
   b. https://help.github.com/articles/git-and-github-learning-resources/
2. Open the **Command Prompt** => go to the lower left corner of your computer => type: **cmd**, then the word "Command Prompt" will show, => double click to open.
3. Now we are going to navigate on the Command Prompt window so please open this link for a list of command shortcuts (use this guide as your reference):

http://www.yolinux.com/TUTORIALS/unix_for_dos_users.html

Part 3: GitHub setup First-Time

1. Now we are going to navigate through Terminal
    a. In the **Terminal** window type: **pwd** (pwd = print working directory)
    b. type: **cd Desktop** (cd = change directory, in this case we need to change the directory to your Desktop)
    c. type: **git config --list --show-origin**
        i. If you have your GitHub already configured you should see something like this as an output in your terminal

```
Javier@Marios-MacBook-Pro-2:~/Desktop$ git config --list --show-origin
file:/usr/local/etc/gitconfig   credential.helper=osxkeychain
file:/Users/Javier/.gitconfig   push.default=simple
file:/Users/Javier/.gitconfig   user.name=Mario Javier Carrillo
file:/Users/Javier/.gitconfig   user.email=majacaci00@gmail.com
file:/Users/Javier/.gitconfig   core.excludesfile=/Users/Javier/.gitignore_global
```

1. **If you didn't see the above output you need** to set your user name and email address. This is important because every Git commit uses this information, and it's immutably baked into the commits you start creating:
    a. type: **git config –global user.name "YOUR NAME"**
    b. type: **git config –global user.email "email address you use to create your GitHub repo"**
        i. NOTE: it is more likely that you will be asked to enter your Username and Password or just the Password. When you enter the Username you will see in the terminal the username you are entering (this is your email address). However, when entering the Password, the password is not echoed in the the terminal screen, but it is being recorded by the terminal.

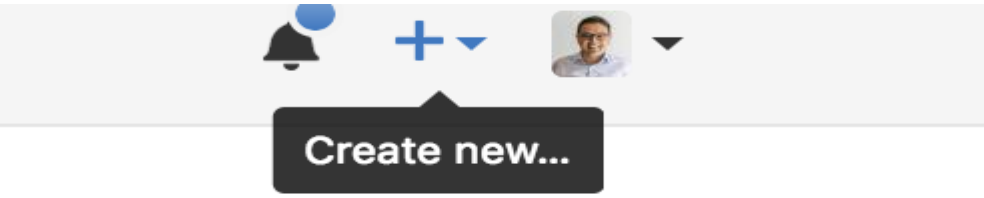
Part 4: Create class directory

a) In the **Command Prompt** window type: **pwd** (remember that pwd = print working directory)
b) type: **cd Desktop** (remember that cd = change directory, in this case we need to change the directory to your Desktop, and it is in here where we are going to allocate the NEW ECON611 folder)
c) type: **git clone** https://github.com/majacaci00/ECON611
d) type: **cd ECON611**
e) type: **git pull** (a message saying "Already up-to-date" should appear in your screen)

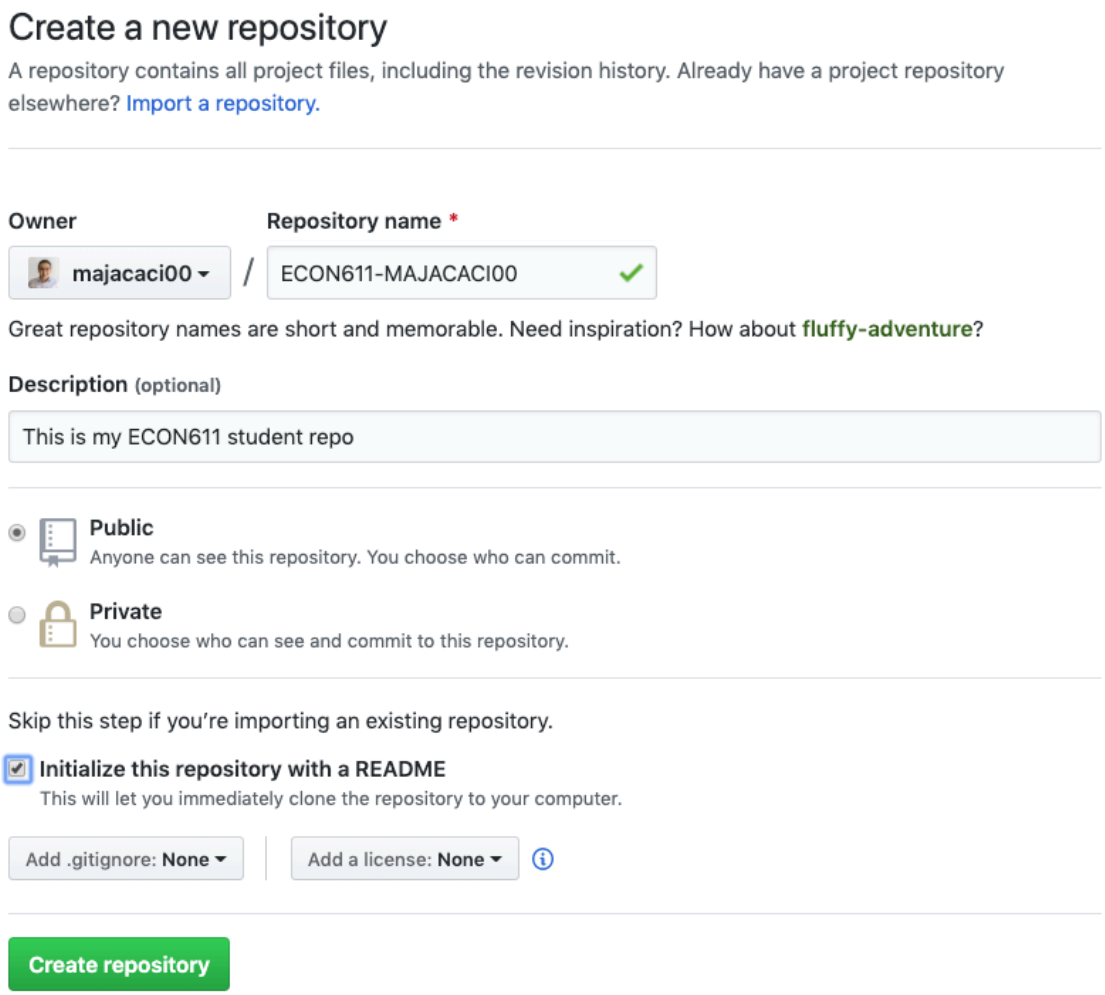
Part 5: Create your student repo

1. Access your GitHub account by going github.com
2. On the top right corner of your GitHub page, identify the + sign click on it and select

create on *New repository* (see image)

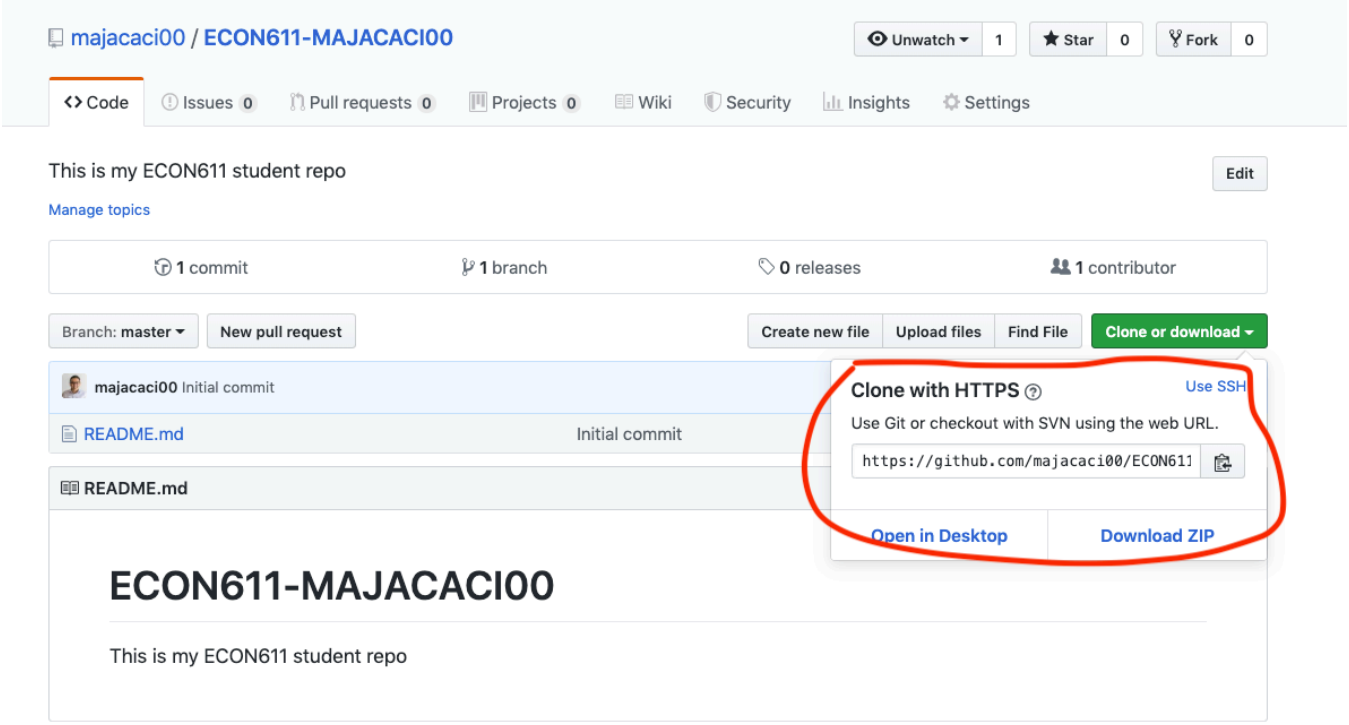


3. A new window will open. In this window go to *Repository Name* and type ECON611-*MAJACACI00* (**replace** *MAJACACI00* with **your github username**)
4. On the *description* section type: "This is my ECON611 student repo"
5. Scroll to the bottom and make sure that *Public* is selected
6. *Select* Initialize this repository with a README
7. Click on *Create repository* (see image below)



Part 6: cloning your repo to your computer

1. Open the Terminal
2. Move from your home directory to your Desktop by typing: **cd Desktop** and press return
3. If you type **pwd** and press return, it should say something similar to **/Users/** YOURNAME **/Desktop**
4. Once you are in your desktop type: **git clone** https://github…….(this is the url from your ECON611-githubusername=> you can find this link if you click on the green button "Clone or download" => see picture below)



Part 7: pushing a document to your student repo

1. **MANUALLY** copy **ANY** pdf document into your ECON611-githubusername
2. **MANUALLY** rename your pdf document to ***test***
3. Go back to your Terminal and ***make*** sure you are in the ECON611-githubusername folder.
4. type: **git add test.pdf**
5. type: **git status** (you should see your test.pdf under *Changes to be committed*: blablabla, also your file should appear *highlighted in green*
6. type: **git commit -m "testing my student repo"**
7. type: **git push origin master**
8. go to github.com (*refresh the site*) and you should see your test.pdf document

9. SUCCESS!

NOTE: if you see this file **.DS_store** in your terminal ignore it for now

NOTE: if you get an error --global config “bla bla bla bla” ignore all the warnings and push anyway. The terminal will throw you a message asking you to input the Username and Password to verify the credentials, which you need to do.

Part 8: Opening jupyter notebook

1. Open your Command Prompt
2. cd to your Desktop
3. type: jupyter notebook