

ECON 628-01

PC USERS ONLY!

Part 1: Jupyter Notebook and Anaconda

1. Go to the [Jupyter Website](https://jupyter.org) (jupyter.org)
2. Scroll down and click the *Install the Notebook* button
3. The button will take you to the [installation documentation](#).
4. This in turn should take you to the Anaconda Installation page, go to the [Anaconda Installation](#) page and click on the Graphical Installer for your system (either Windows or Linux) to download the installer.
5. Follow the directions for the graphical installer you chose, it should be straight-forward, just like installing any other software, keep any default options.
6. 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.
7. Once the installation is done, in your terminal/command prompt type: **jupyter notebook** and **press Enter** (see picture below)



8. 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.
9. 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.

10. Go back to the terminal/command prompt where you previously opened/typed jupyter notebook and use the *Control+C* keys to close the notebook (both keys should be press at the same time). If you did this correctly the following question will appear in your terminal/command prompt: Shutdown this notebook server (y/[n])? => then type y and press enter => your notebook is now closed (see the below images):

```
[I 11:32:58.918 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
```

```
^C[I 11:37:27.482 NotebookApp] interrupted
Serving notebooks from local directory: /Users/Javier/Desktop/DS-SF-31
0 active kernels
The Jupyter Notebook is running at: http://localhost:8888/
Shutdown this notebook server (y/[n])? y
```

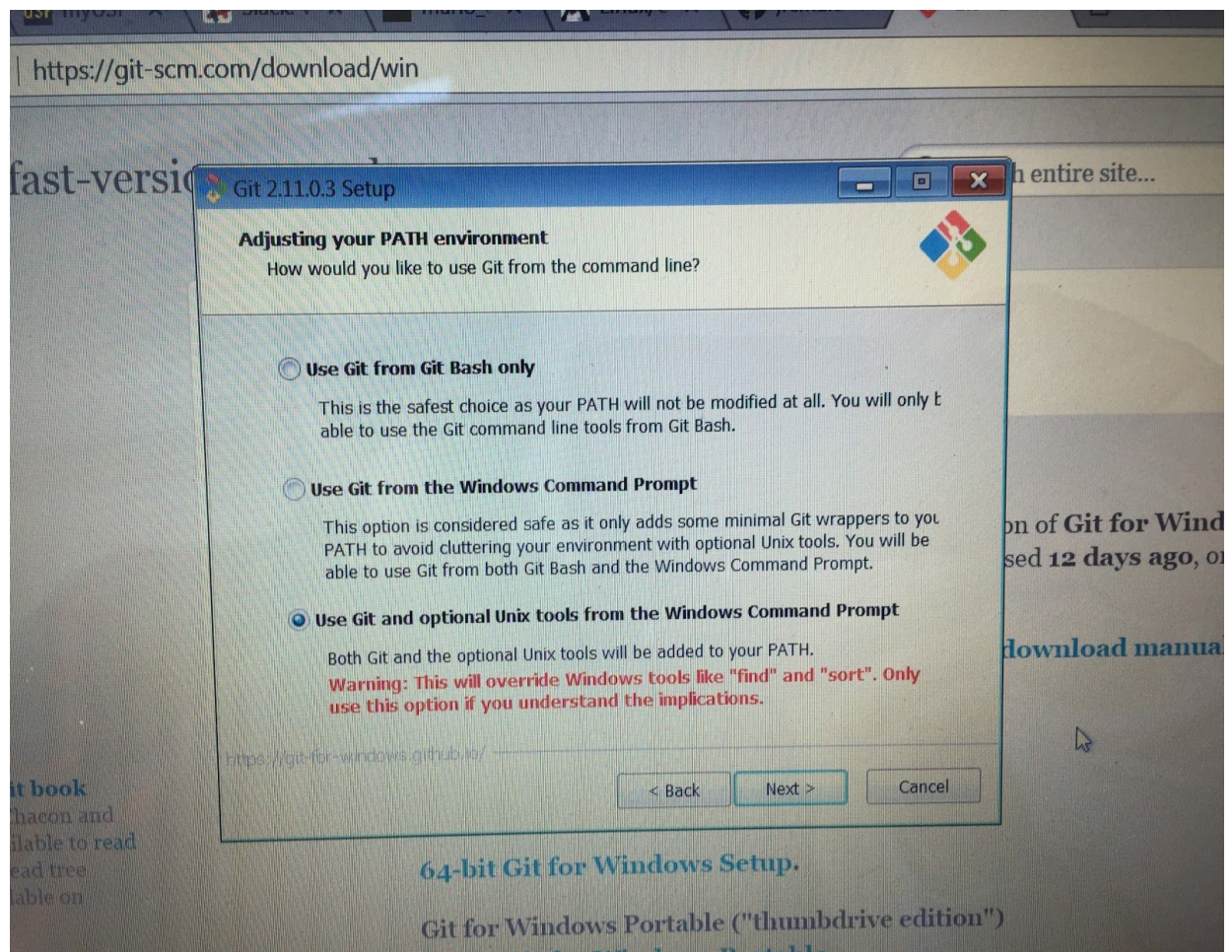
11. For more information on the Jupyter Notebook system see the [official documentation](#).
 - a. Additional information on Jupyter Notebook Manual
<https://athena.brynmawr.edu/jupyter/hub/dblank/public/Jupyter%20Notebook%20Users%20Manual.ipynb>

Part 2: Get familiar with 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/>

Part 3: Once you have completed the above steps, you will “NEED TO DO” this steps

1. **MANUALLY DELETE** your ECON628-01 folder (this is the folder we created last week)
 - a. **Uninstall git** => go to control panel => click on “programs” => click on “uninstall a program” => select “Git version 2.11.0.3”
 - b. **Open** a web browser and go to: <https://git-scm.com/download/win> this will download the new git version
 - c. During the installation, keep the default selections, BUT => during the “Adjusting your PATH environment” , make sure you select the last option => User Git and optical Unix.....(see picture below)

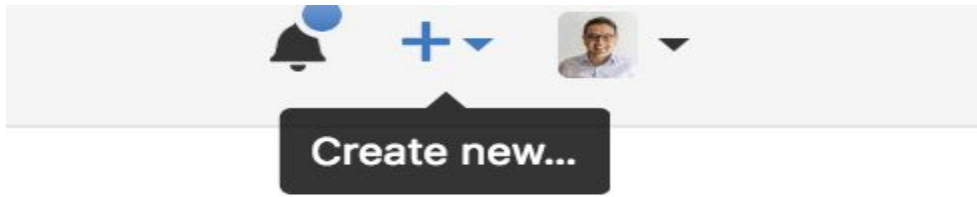


- d. In the last setup step make sure you “enable experimental use of diff tool”
 - e. Once everything is re-installed, **restart** your computer
2. **Open** the Command Prompt => go to the lower left corner of your computer => type: cmd, then the word “Command Prompt” will show, => double click to open)
 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
 - 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** ECON628-01 folder)
 - c. type: git clone <https://github.com/majacaci00/ECON628-01.git>
 - d. type: cd ECON628-01
 - e. type: git pull (a message saying “Already up-to-date” should appear in your screen)
 - f. type: pwd (and make sure you are in your Desktop)

Part 4: 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 ECON628-01-**MAJACACI00** (replace **MAJACACI00** with **your github username**)
4. On the *description* section type: “This is my ECON628-01 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)

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner **Repository name**

 majacaci00 / ECON628-01-MAJACACI00 ✓

Great repository names are short and memorable. Need inspiration? How about **turbo-spork**.

Description (optional)

This is my ECON628-01 student repo

☒ **Public**
Anyone can see this repository. You choose who can commit.

☐ **Private**
You choose who can see and commit to this repository.

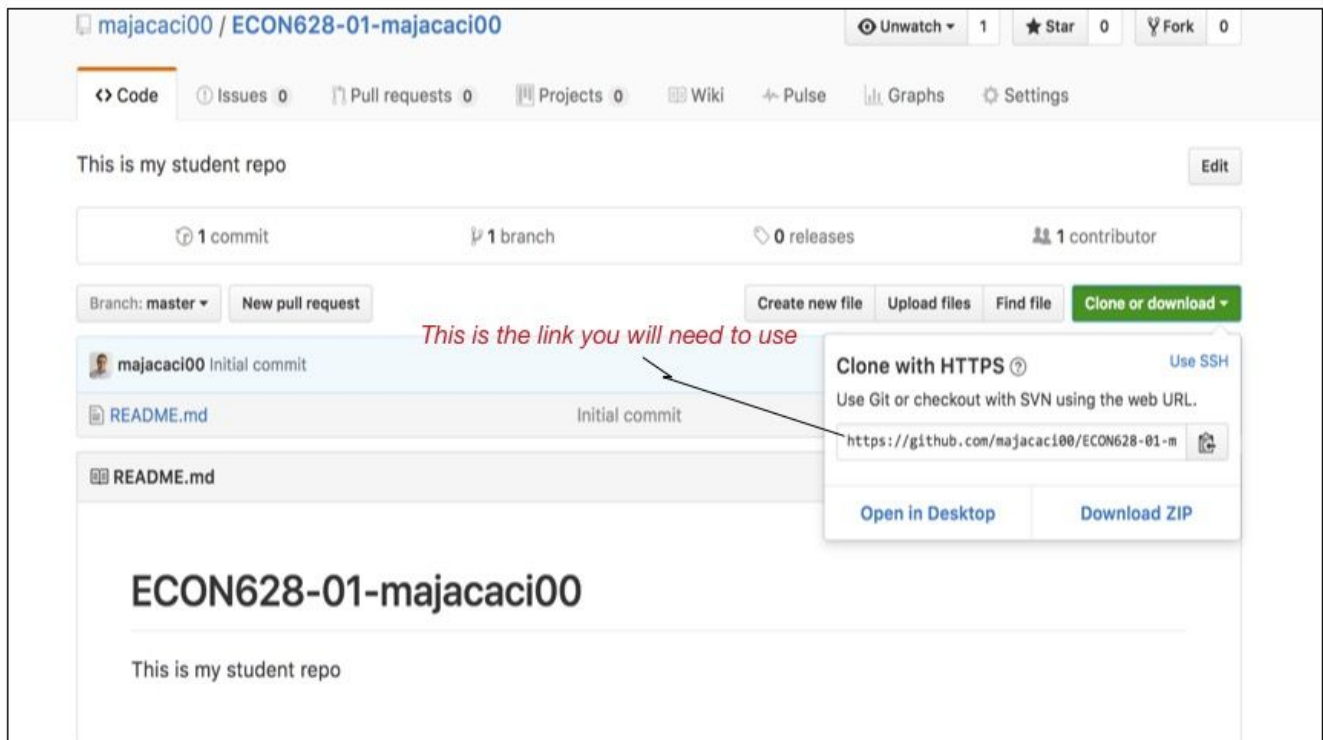
☒ **Initialize this repository with a README**
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** | Add a license: **None** ⓘ

Part 5: cloning your repo to your computer

1. *Open* your command prompt terminal
2. *cd* to your desktop => type: cd Desktop
3. Once you are in your desktop type: git clone <https://github.com/ECON628-01-githubusername> (this is the url from your ECON628-01-githubusername=> you can find this link if you click on the green button “Clone or download” => see picture below)
4. Once you have all the information press enter

5. type: DIR



Part 6: pushing a document to your student repo

1. **MANUALLY** copy a **ANY** pdf document into your ECON628-01-MAJACACI00 (remember that you in your case the MAJACACI00 should be your github username)
2. **MANUALLY** rename your pdf document to **test**
3. Go back to your Command Prompt and *make* sure you are in the ECON628-01-githubusername folder. (you do this by typing **pwd** on your Command Prompt, if you are not there **cd** to the 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

Part 7: copying files from folder to folder

How to copy files from the ECON628-01 folder to your ECON628-01-githubusername folder using the terminal or command prompt (**GET USE TO DO THIS, IS BEST PRACTICE AND YOU WILL BE DOING THIS FREQUENTLY**)

1. in your terminal/command prompt => navigate to your ECON628-01-githubusername folder
2. type: pwd => and make sure your are in the ECON628-01-githubusername
3. once you are in the ECON628-01-githubusername => type: mkdir various
4. type : dir => (you should *see* the various folder)
5. cd to your Desktop

6. type: pwd => and make sure you are in your Desktop
7. type: copy C:\Users\YOURNAME\Desktop\ECON628-01\various
C:\Users\YOURNAME\Desktop\ECON628-01-githubusername\various
 - a. **Note:** the lines above are just *one* line. There is a *space* between \various and C:\
 - b. the command copy => copies the content from the various folder in ECON628-01 to
ECON628-01-githubusername)
 - c. **Note:** YOURNAME => refers to your pc user name
 - d. **Note:** This is the process of copying files and folders from your local repository (ECON628-01)
to your local student repository (ECON628-01-githubusername)
 - e. You can make sure you have copied the files to your local student repository
(ECON628-01-githubusername) by **manually** opening “this PC => Desktop =>
ECON628-01-githubusername)

Part 8: Opening jupyter notebook

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