Pre-Work for PhD Workshop Week 1

We provide instructions for logging into KLC here.

Before accessing KLC from off-campus, please make sure you are connected to Northwestern's Global Protect VPN described here.

For this week, we will login through KLC through the FastX web browser. To do so, you can login to Node 3 here: http://klc03.ci.northwestern.edu:3000

During this workshop, we will reference a jupyter notebook for basic Linux commands. To use the notebook on KLC, please follow the steps below:

1.) Clone the github repository to your Home Directory

To clone the github repo, please sign in to KLC from FastX and follow the following steps:

- Open FastX from the web browser or your Desktop Application on any node
- Launch a GNOME Terminal window
- Type the following in the command line:
  `git clone https://github.com/rs-kellogg/empirical_workshop_2021`

```
[awc6034@klc03 ~]$ git clone https://github.com/rs-kellogg/empirical_workshop_2021_dev
Cloning into 'empirical_workshop_2021_dev'...
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 15 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (15/15), done.
```

2.) Update the github folder saved on KLC

- To view the contents of the folder, type the following:
  `cd empirical_workshop_2021`
  `ls`

```
[awc6034@klc03 ~]$ cd empirical_workshop_2021_dev/
[awc6034@klc03 empirical_workshop_2021_dev]$ ls
1_KLC_Intro  README.md
[awc6034@klc03 empirical_workshop_2021_dev]$
```

- To update the folder you already downloaded, type:
  `git pull`

```
[awc6034@klc03 empirical_workshop_2021_dev]$ git pull
Already up-to-date.
```

- Change directories into **1-klc_intro by typing**
  `cd 1-klc`

```
[awc6034@klc03 empirical_workshop_2021_dev]$ cd 1_KLC_Intro/
[awc6034@klc03 1_KLC_Intro]$ ls
KLC_Intro.ipynb  swiss.R  time.py
[awc6034@klc03 1_KLC_Intro]$
```

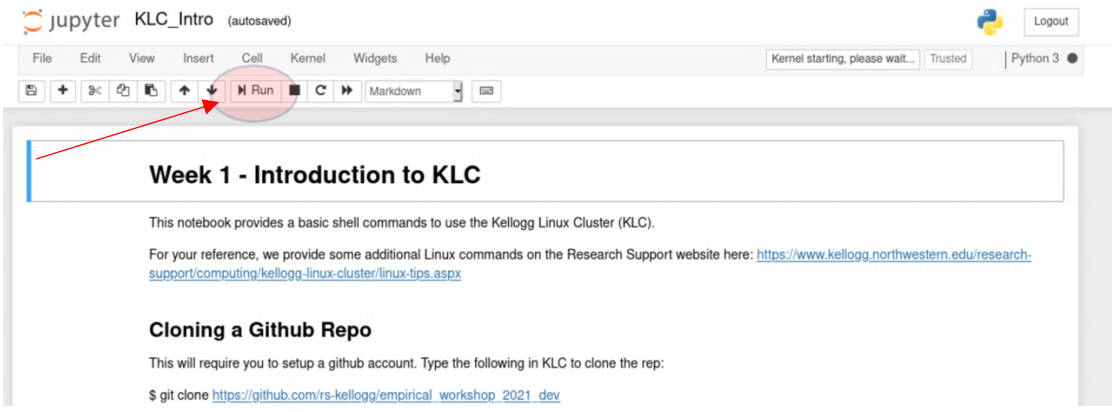
3.) Launch the jupyter notebook

- You can easily launch a notebook by going here:
  https://jupyter.questanalytics.northwestern.edu

- To launch a notebook from the command line, type:
  `module load python/anaconda3.6`
  `module load firefox/82`
  `jupyter notebook --browser=firefox`

- A new Firefox window should launch. Just click on the Notebook. It is named KLC_intro.ipynb

- In the notebook, please confirm that you can run the code without errors by highlighting each line and clicking the RUN button



- When you are done with the notebook, press CTRL+C in the terminal window to stop it.