Pre-Work for PhD Workshop Week 1

We provide instructions for logging into KLC here: https://www.kellogg.northwestern.edu/research-support/computing/kellogg-linux-cluster/connect.aspx

Before accessing KLC from off-campus, please make sure you are connected to Northwestern's Global Protect VPN described here: https://kb.northwestern.edu/page.php?id=94726

For this week, we will login through KLC through the FastX web browser. To do so, you can login to any of the six nodes. For instance, 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 these steps:

- Open FastX from the web browser 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@klc01 ~]$ git clone https://github.com/rs-kellogg/empirical_workshop_2021
Cloning into 'empirical_workshop_2021'...
remote: Enumerating objects: 21, done.
remote: Counting objects: 100% (21/21), done.
remote: Compressing objects: 100% (18/18), done.
remote: Total 21 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (21/21), done.
[awc6034@klc01 ~]$
```

2.) Update the github folder saved on KLC

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

```
[awc6034@klc01 ~]$ cd empirical_workshop_2021
[awc6034@klc01 empirical_workshop_2021]$ ls
1_reproducibility_KLC_intro  README.md
[awc6034@klc01 empirical_workshop_2021]$
```

- To update the folder you already downloaded, type:

```
git pull
[awc6034@klc01 empirical_workshop_2021]$ git pull
Already up-to-date.
[awc6034@klc01 empirical_workshop_2021]$
```

- Change directories into week 1, by typing:
  `cd 1-reproducibility_KLC_intro`

```
[awc6034@klc01 empirical_workshop_2021]$ cd 1_reproducibility_KLC_intro/
[awc6034@klc01 1_reproducibility_KLC_intro]$ ls
2021 - Week 1 - Reproducibility Habits.pptx  CodeAndData.pdf  KLC_Intro.ipynb
 swiss.R  time.py  Week1 PreWork.pdf
```

3.) Launch the jupyter notebook

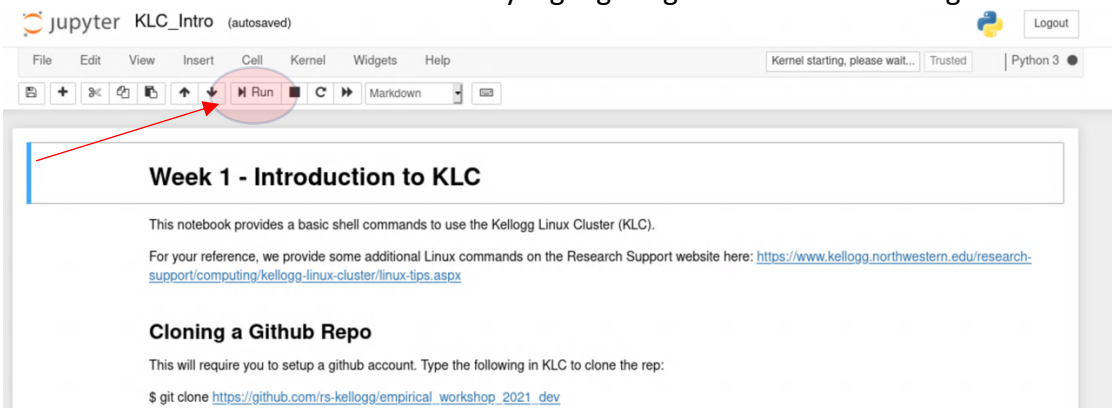
- You can easily launch a jupyter notebook on KLC by going here:
  https://jupyter.questanalytics.northwestern.edu

- 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: KLC_intro.ipynb

- This week, the notebook summarizes the shell commands we will cover. It is not necessary for you to run any commands from within the notebook. In future weeks, you can run code in the notebook by highlighting each line and clicking the **RUN** button.



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