To make sure we are all on the same page, please check the following before the seminar:

1. **Have access to Linux system**
2. **Get familiar with basic Linux commands**
3. **Download examples**

1. Options to access Linux system

a. A personal computer running any Linux systems, eg, Ubuntu, Fedora, Red Hat etc.
b. Account on supercomputers, eg, on Greenplanet (GP), UCI HPC (HPC), yellowstone etc.

How to apply for an account:

GP: Ask your advisor if she/he has nodes there

HPC: every UCI student can apply: request an HPC account on https://hpc.oit.uci.edu/

Comments: Although, GP is owned by the Physical Sci School that some of our professors have "private" nodes there, HPC is well managed and documented. So if you have no preference and don't intend to run large jobs, I recommend HPC.

How to connect to these supercomputers from your own computers:

Type `ssh [user_name]@[supercomputer_IP_address]` in your terminal

eg, me to HPC (Note: the dollar sign $ is a terminal prompt. You don't need to type that):

`$ ssh wenshanw@hpc.oit.uci.edu`

How to open a terminal:

Mac: There is a software pre-installed called "Terminal"

PC: Download a simple and free software called "Putty" or a more powerful but need-to-pay software called "Xmanager"; then follow the software instruction (basically just input your login information)

2. Get familiar with basic Linux commands

Here are a list and some explanation of basic commands:

http://www.tecmint.com/useful-linux-commands-for-newbies/

http://mally.stanford.edu/~sr/computing/basic-unix.html

Don't worry if you cannot remember all of them for now. Just try them in your terminal.

WARNING: no trash-bin in Linux (default), which means if you delete (ie, rm) your files, they are gone **FOOOOREEEEVEEEERRRRRR**.

3. Downland examples:

In your home directory or anywhere you want:

`$ git clone https://github.com/wenshanw/ncoworkshop.git`

Then you should have a new directory called `ncoworkshop/`

Note: it is not your fault if you find out it's empty…

If you have any questions using Linux, google is probably the most helpful resource.

You can also ask questions on our google group:

https://groups.google.com/forum/#!forum/uciess

If you don't have access, email me~

Let me know if you have any questions or comments on our workshop~