How to Use Cluster

$ ssh studi#i@cluster.inf.unibe.ch *--#i is your group ID*
$ studi#i@cluster.inf.unibe.ch' password: *--enter your given password*
[studi#i@master ~] ssh node0#i *--now you are in the master node. shh to your processing node*
[studi#i@node0#i ~] $ cd /var/tmp *--1T drive to store your code and data. Do not store any thing in ~ path*
[studi#i@node0#i tmp] module load anaconda/3 *– enable Pytorch*
[studi#i@node0#i tmp] python *– run PyTorch and work online*

--Assigning a job
[studi#i@node0#i tmp] $ cd toy_task
[studi#i@node0#i toy_task] $ qsub toy_task.sub
Your job-array 24722.1-1:1 ("toy_task") has been submitted
--it gives you and job_id. here is : 24722
-- toy_task is you job name which you can change in the first line of your .sub file
[studi#i@node0#i toy_task] less toy_task.o24722.1 *-- see what your job is printing*
[studi#i@node0#i toy_task] qdel 24722 *--delete the job in the case you want to stop it before finis. This one runs for ever!*

- To run your own script(.py file), you need to pass its name to PyTorch by changing the last line of .sub file.

- To upload small data like script files, use an ftp server(FileZilla in linux and windows and Cyberduck in Mac). These software does not see /var/tmp. You need to upload the files to ~ path and then move them to /va/tmp. You can download datasets up to 500GB directly from terminal. We have already most of the datasets in the cluster. Before downloading, let us know. We might be able to provide you with them.