Copy of FAQ - How do I use STATA on the HPC clusters?

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Something went wrong!

Why does running "ls" on /scratch take so long?

I can't login

When trying to login, I get warning s about "HOST IDENTIFICATION HAS CHANGED"

What happened to my data on /scratch?

In the library, my wireless connection keeps dropping out.

How can I fix it?

I'm getting a "module: command not found" error
Warning: no access to tty (Bad file descriptor), thus no job control in this shell.

I get an error: "Warning: no display specified." when I use -X flag with ssh.

Who killed my job, and why?

I got an email: "Please do not run jobs on login nodes."

Running jobs

What resources can and should I request?

Can I make sure a job gets executed only after another one completes?

How do I log in to a specific node?

How can I make sure my job is running smoothly?
My job will take longer than 48 hours, what should I do?

My job needs (MySQL, some other service) to be running

I want to run a job at 9am every day

Using software

How do I run ...
(esp, needs a license)

a STAT A job?

a Gaussian job?

a MATLAB job?
a parallel, non MP job (e.g. Julia)?

I can't find (some software package)

Can you install (some software package)?

How can I view a PDF file on Prince?

Managing data

How much of my file/space quota have I used?

How do I give my colleague access to my files?

How do I get the best transfer speed to or from BuTinah?
A: To run STATA jobs, you need to;

(1) Prepare a STATA do file, such as "stata-test.do" which may include,

```stata
sysuse auto, clear
summarize
graph twoway (scatter mpg weight) (lfit mpg weight)
graph export stata-test.ps, replace
```

StataMP was also installed on the USQ, which is the parallel version of Stata. To use multiple processors in StataMP, just insert "set processors X" as a line in your do file, where X is the number of processors and it should be equal to the "ppn" number in your PBS script.

(2) Create a PBS script "run-stata.pbs" to run STATA jobs in the batch mode. The content in this file can be like this,

```bash
#!/bin/csh -f
#PBS -V
#PBS -S /bin/tcsh
#PBS -N stata-test
#PBS -l nodes=1:ppn=1,walltime=01:00:00
#PBS -M NetID@nyu.edu
#PBS -m abe
source /etc/profile.d/env-modules.csh
module load stata/11
cd /scratch/NetID/hpc-tutorial/stata
stata -b do stata-test.do
```

**Note**
Be sure to substitute your own "NetID" for NetID.

You need to change the paths according to your directory. Please refer to [this page](#) for more information.

(3) Then submit the job by typing

```bash
$ qsub run-stata.pbs
```