Economics Computing
Social Sciences Computing Services:: http://sscs.uchicago.edu

Acropolis Cluster:

Head Node: Dell R920
CPU: 60 cores @ 3.20GHz
Memory: 2TB

Nodes: PowerEdge M620 Blade Server x 32
CPU: 32 cores @ 2.70GHz
Memory: 128GB

GPU:
4 NVIDIA Tesla M2070

Contacts:

Server Support:	ssc-server-support@lists.uchicago.edu	
Acropolis Admin:	Steve Mohr	smohr@uchicago.edu
Server Manager:	Barton Longacre	blongacr@uchicago.edu

Answers to common issues can be found on our FAQ.
http://sscs.uchicago.edu/page/server-support-faqs

Request an account on Acropolis:
To receive an Acropolis account you must have a valid CNet ID, and you must have an affiliation with the Social Sciences Division. You can request an account at https://iota.src.uchicago.edu.
Once you have submitted an account request send an email to ssc-server-support@lists.uchicago.edu stating that you would like access to Acropolis.

Getting Connected:

EasyVNC:	https://sw.src.uchicago.edu/
Shell access/sftp:	acropolis.uchicago.edu

Configuring Your Environment:
The module command can be used to load additional software for your account.

List available software: `module avail`
Load a module: `module load python/2.7.3`

You may make these changes permanent by adding them to a file called .profile located in your home directory. The following example will load openmpi, python 2.7.3, and set a python path if you would like to install python packages locally.

```
module load python/2.7.3
module load openmpi/1.6.5
export PYTHONPATH=/home/$USER/.local/lib/python2.7/site-packages:
$PYTHONPATH
```

Hello World:

In order to distribute your work across the compute nodes you will need to submit your work to the job scheduler using the qsub command. Some basic example submit scripts can be found on Acropolis at /share/qsub_examples.

```
cp -rp /share/qsub_examples/python/ ~
cd ~/python
qsub pythonsubmit.sh
```

The standard error/output for this job will be saved in your working directory in a file called PythonTest.oXXX where XXX is the job id.

Watching running processes:

You may list your running jobs with the showq command.

```
showq -u $USER
```

The far left column will list the job id. You may find additional information about your job using the checkjob command followed by the job id.

```
checkjob 343523
```