

ECON 4750/6750
STATA Help Page
Professor Warren

Below you will find instructions on how to login to Terry College's research server, *Whopper*, transfer a file and submit a STATA program for execution.

Note that all of the UNIX commands required for these tasks are highlighted in **bold courier new** font. (Those of you familiar with UNIX will find working on the *Whopper* machine straightforward, as the OS on *Whopper* is SGI's version of UNIX, IRIX. Those of you who have never worked in a UNIX environment will have to be patient.)

Recommended Software

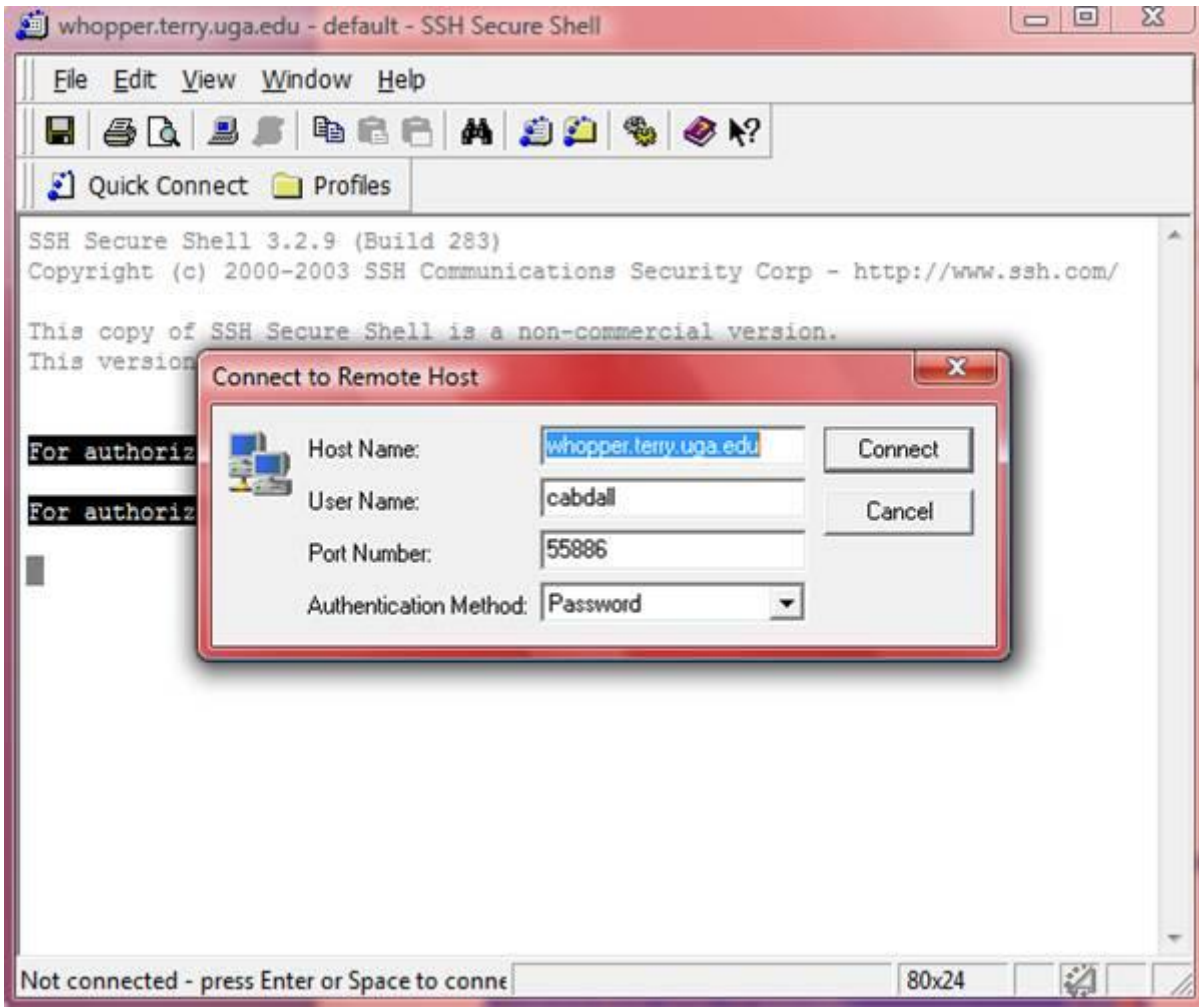
SSH is the recommended software for connecting to Whopper. It has both telnet-type and file-transfer functions. You can download the SSH program from

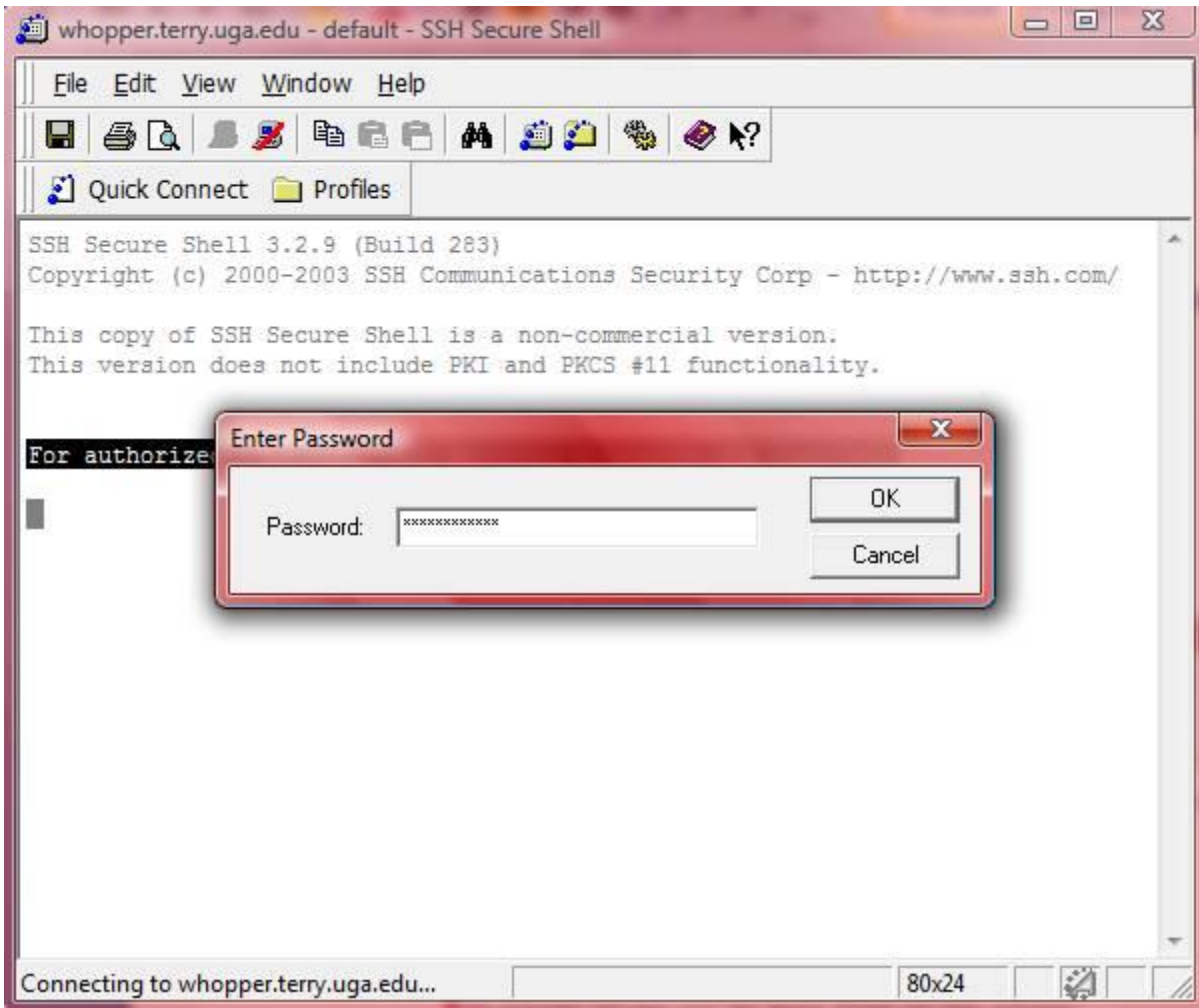
<http://sitesoft.uga.edu/>

You may have to enter your UGA MyID and password to download the SSH Secure Shell installation file.

Connecting to Whopper

- First, run "Secure Shell Client". Click "Quick Connect" and type host name as "**whopper.terry.uga.edu**" and type user name. Click the "Connect" button and type your password.
Your user name is the same as your UGA MyID. Your password is your MyID password.
-





```
whopper.terry.uga.edu - default - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles
SSH Secure Shell 3.2.9 (Build 283)
Copyright (c) 2000-2003 SSH Communications Security Corp - http://www.ssh.com/

This copy of SSH Secure Shell is a non-commercial version.
This version does not include PKI and PKCS #11 functionality.

For authorized uses only. All activity monitored and reported.

Linux whopper 2.6.24-24-server #1 SMP Fri Sep 18 16:47:05 UTC 2009 x86_64

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To access official Ubuntu documentation, please visit:
http://help.ubuntu.com/
Last login: Tue Nov 3 10:13:45 2009 from 97-81-71-54.dhcp.athn.ga.charter.com
cabdall@whopper:~$
```

- Now, we need to download the sample STATA program and data file from the course website (<http://www.terry.uga.edu/~rswjr/4750/ps.htm>). Download the two files named paper.txt (data file) and paper.do (STATA program file).

Transferring a File to Whopper

- From SSH, click "New File Transfer Window". This will cause a SSH File Transfer window to pop up.
- Before you transfer files into Whopper, make sure you select "**ASCII**" option. This will avoid any incompatibility problem between your PC files and UNIX conventions.

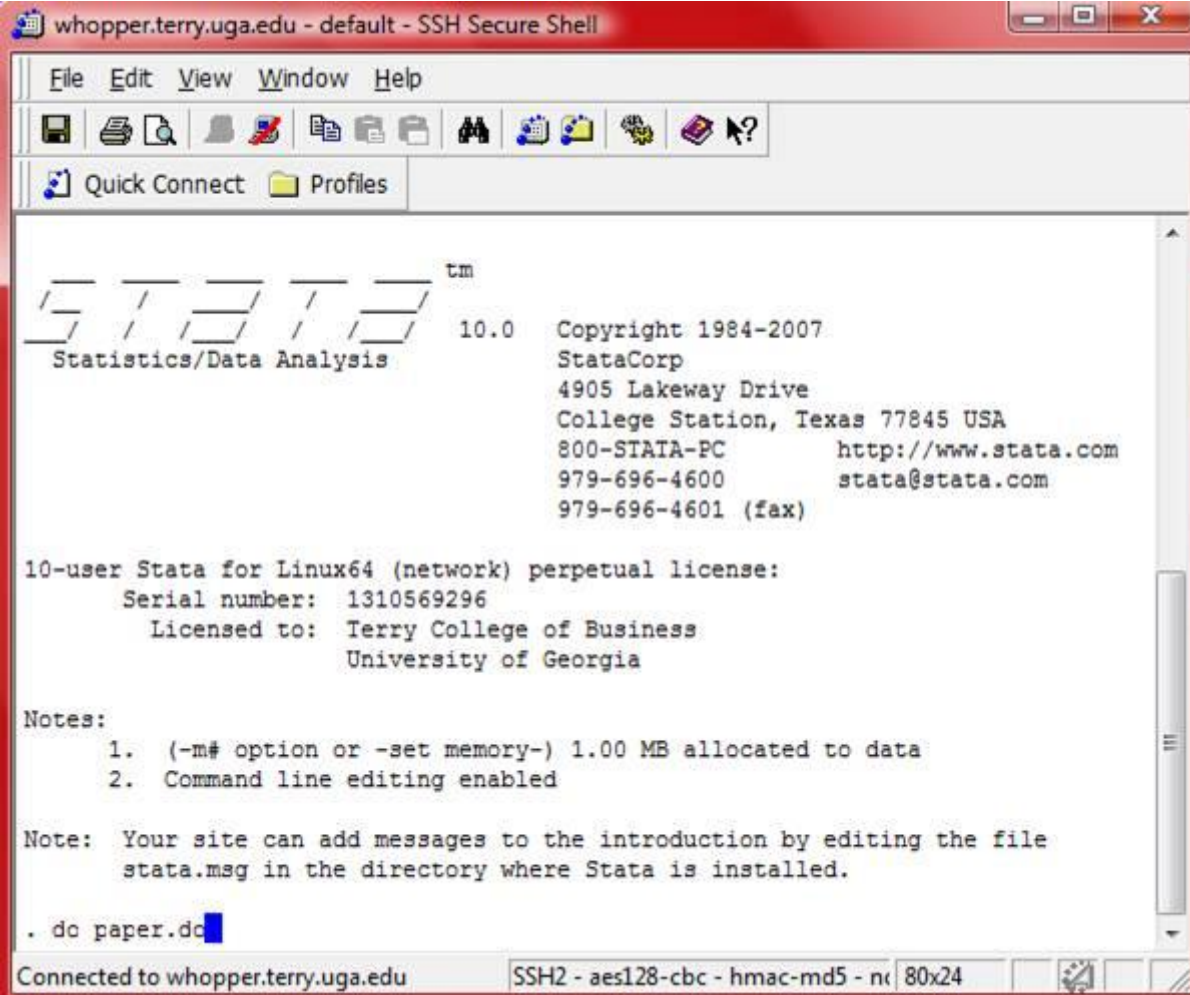
- You have already downloaded two files from the course website to your PC ("paper.do" and "paper.txt"). Using the right mouse button, choose "upload" to transfer files from your local computer to Whopper.
- Note that 2 files have been transferred (paper.do and paper.txt).

Executing a STATA Job

- Now go back to the SSH Secure Shell window. Type `ls` at the command prompt to obtain a directory listing and `cd` to change directory if necessary.
- To open STATA, from the SSH Secure Shell window, type `stata` at the command prompt and press enter. Make sure you invoke the command inside the directory where the program and data are located. You are now in the STATA environment. From here, you can run `.do` files or submit commands line by line.
 - To run a STATA `.do` file that you have edited on your computer (in Notepad, etc) and uploaded to Whopper, type `do filename.do` and press enter. If you have uploaded `paper.txt` and `paper.do`, try typing `do paper.do`
 - In the example file, `paper.do`, STATA is asked to make a log file of the results. See below for instructions on downloading that log file after execution ends. Another way to capture STATA output is simply to highlight the text with your mouse and then use copy and paste. Be sure to use Courier New font in any word processor in which you paste the text.
 - STATA can also process commands line by line. That is, you don't have to work from a `.do` file. Having run `paper.do`, you should have the data already in memory. Try typing `regress price absorb` at the STATA command prompt. It's fine to try different regressions like this as you go, but it's a good idea to keep a `.do` file open (in Notepad, etc) on your computer so you

can keep track of the commands that you want to remember and use later. Note that each time you edit and save your .do file on your computer, you must upload it and replace the old one on Whopper before you can run the revised program in STATA.

- For help using a STATA command, at the STATA command prompt, type **help *command*** and press enter. For example, try typing **help regress** or **help log**
- To exit STATA, at the STATA command prompt, type **exit**, **clear** and press enter. This will return you to the Unix environment.



```
whopper.terry.uga.edu - default - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles
tm
-----
Statistics/Data Analysis 10.0 Copyright 1984-2007
StataCorp
4905 Lakeway Drive
College Station, Texas 77845 USA
800-STATA-PC http://www.stata.com
979-696-4600 stata@stata.com
979-696-4601 (fax)

10-user Stata for Linux64 (network) perpetual license:
Serial number: 1310569296
Licensed to: Terry College of Business
University of Georgia

Notes:
1. (-m# option or -set memory-) 1.00 MB allocated to data
2. Command line editing enabled

Note: Your site can add messages to the introduction by editing the file
stata.msg in the directory where Stata is installed.

. do paper.do
Connected to whopper.terry.uga.edu SSH2 - aes128-cbc - hmac-md5 - nr 80x24
```

```

1:whopper.terry.uga.edu - default - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles

.
. regress price absorb

      Source |           SS       df       MS                Number of obs =      11
-----+-----+-----+-----+-----+-----+-----
      Model |    1.60392702     1    1.60392702            F( 1,      9) =    83.46
      Residual |    .172963978     9     .01921822            Prob > F       =    0.0000
-----+-----+-----+-----+-----+-----
      Total |    1.776891      10     .1776891            R-squared      =    0.9027
                                           Adj R-squared  =    0.8918
                                           Root MSE     =    .13863

-----+-----+-----+-----+-----+-----
      price |           Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----+-----+-----+-----+-----+-----
      absorb |    .3082023     .0337365     9.14   0.000     .231885     .3845196
      _cons |    .5304385     .1131394     4.69   0.001     .2744994     .7863777
-----+-----+-----+-----+-----+-----

.
.
.
.
end of do-file
.

```

Connected to whopper.terry.uga.edu SSH2 - aes128-cbc - hmac-md5 - n... 80x24

- When your STATA job has executed successfully, you can download your output log file to your PC using SSH File Transfer. After your run STATA on Whopper, click the "refresh" button on SSH Secure File Transfer. You will see the new file, *.log that includes all output and estimation results. The results are best viewed with Wordpad, but Notepad or Microsoft Word may also be used if you set the font to Courier New. Note that setting page setup to Landscape (not Portrait) in Word will prevent unintentional line wraps.

Remember that you have to tell STATA if you want it to keep a log and what to name the log, as is done in the example file, paper.do, in the line that reads:

```
log using "paper.log", replace
```

where "replace" specifies that it's okay to overwrite any previous log files of the same name.

It is up to you whether to use logs or to simply use copy and paste.

One final note about using logs: If you're going to use a .do file with a `log` command more than once in a session (for example, you might run the .do file, edit it and re-upload it, then run it again without exiting STATA), you need to use the `log close` command at the STATA command prompt or at the end of your .do file. This avoids an error from trying to open a file twice without ever closing it. (If you get this error, you'll know it. If not, disregard this advice.)