For reference:

http://wrds-web.wharton.upenn.edu/wrds/support/Accessing%20and%20Manipulating%20the%20Data/\_002Unix%20Access/UNIX%20Quick%20Reference%20Sheet.cfm

Open the **Secure File Transfer Client** and the **Secure Shell Client.**

Hit **Quick Connect** on both of them. When prompted for the following fields, enter:

**Host Name: wrds.wharton.upenn.edu**

**User Name: your wrds account username**

**Port Number: 22**

Then, use the **Secure File Transfer Client** to upload both files from Hasbrouck’s website:  **.sas**  and **RollGibbsLibrary02.sas**.

Now, you need to run the files. The second file, **RollGibbsLibrary02.sas** , contains macros that the first one uses, and thus needs to be run first. After running **RollGibbsLibrary02.sas** , you should run **crspGibbsBuild01.sas** .The following modifications have been made to it:

**libname this '/sastemp7/mvelikov';**

**\*libname temp "/sastemp14/agora";**

**libname temp '/sastemp7/mvelikov';**

**libname crsp '/wrds/crsp/sasdata/a\_stock';**

These modifications fix a small bug, because Hasbrouck’s code uses the old WRDS directories. The way it’s written, the end files will be saved in the directory /sastemp7/mvelikov. Thus, the mvelikov folder in the /sastemp7 directory must be made prior to running the files! To actually run the files, you need to use the **Secure Shell Client** and type in the following commands:

**pwd** – see what directory you are in

**cd** – move around from directories

**sas (filename) &** - to actually run a file. The & is to do it in the background

**top** – to see the biggest jobs being done (esp later when you come back)

**jobs** – to see your jobs right now, but it won’t show them when you logout and login again