

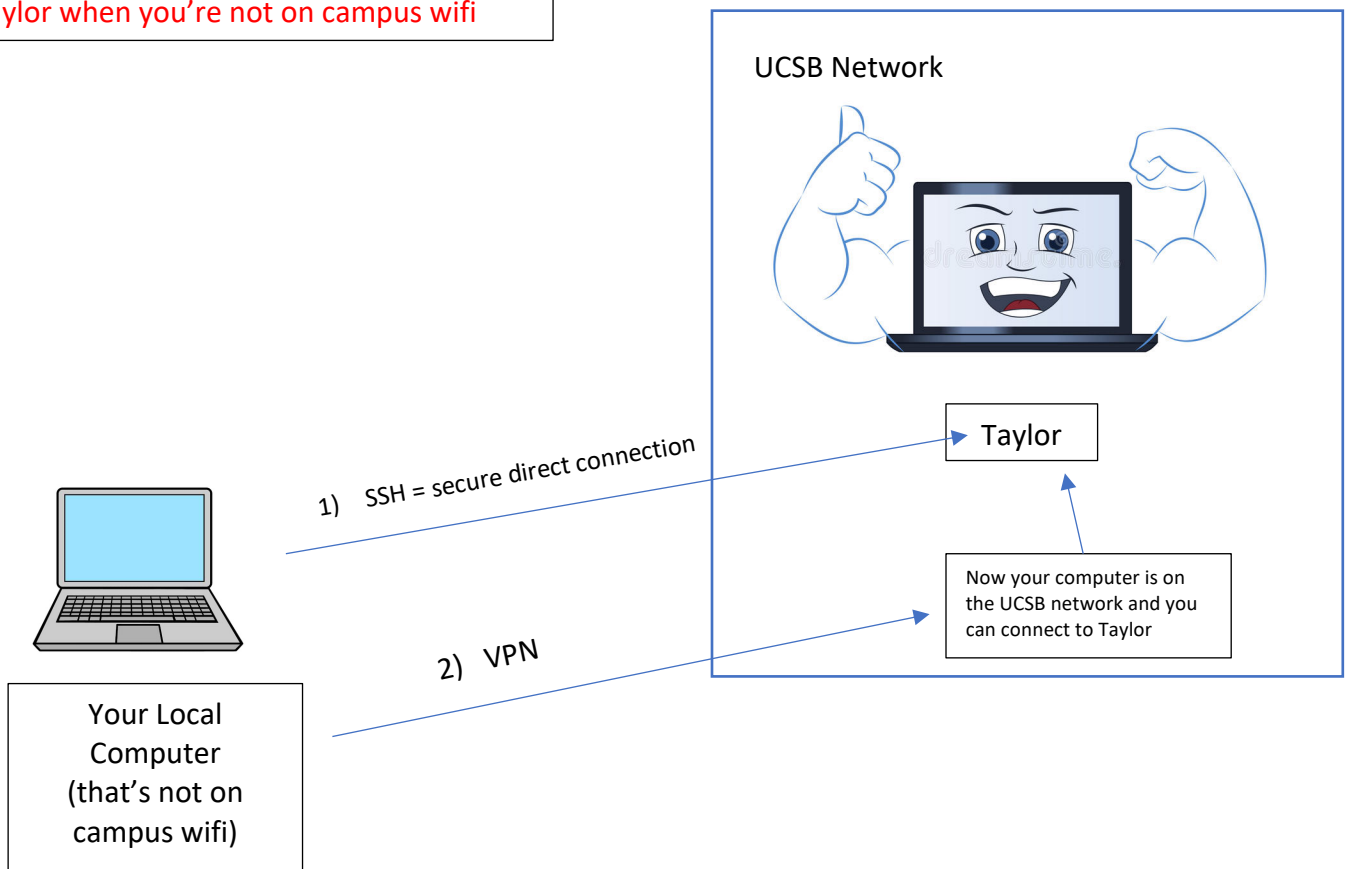
Guide to Navigating Taylor

To connect to Taylor when you're away from campus wifi, you'll need to download PulseSecure and get set up with DUO.

Here is documentation from UCSB on how to get set up with the campus VPN:

- PulseSecure <https://www.it.ucsb.edu/pulse-secure-campus-vpn/get-connected-vpn>
- DUO <https://www.it.ucsb.edu/mfa>

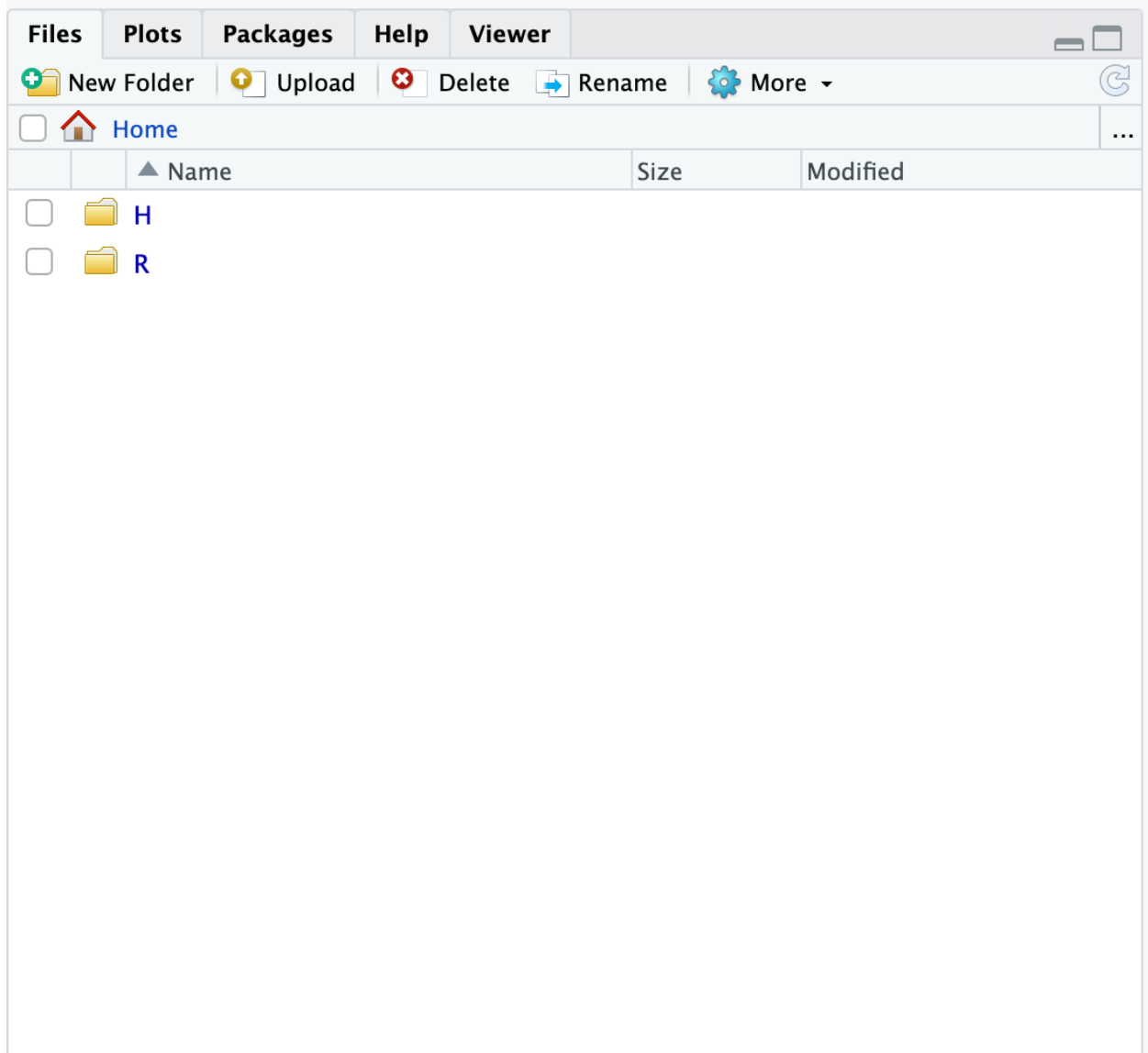
This is a visual of two ways to connect to Taylor when you're not on campus wifi



Directions for how to navigate through folders on Taylor

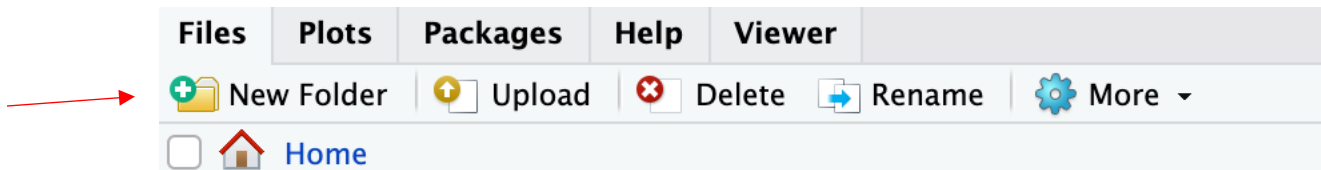
1. Connect to campus VPN if you're not on campus wifi, then launch an RStudio Session on <https://taylor.bren.ucsb.edu>
2. When you launch an RStudio session, your working directory is set to the default, which is /Users/username (this is your home directory).

This is what your home directory should look like:

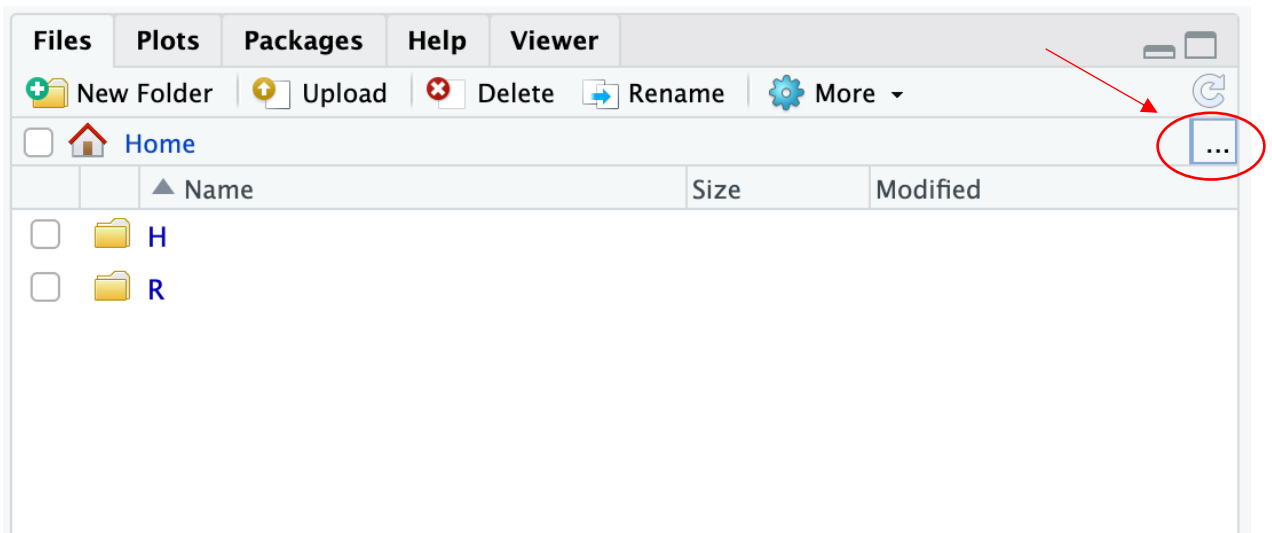


You should have an H folder and R folder. Your H folder is also known as your H: drive, which is your personal Bren drive. You can leave the R folder alone.

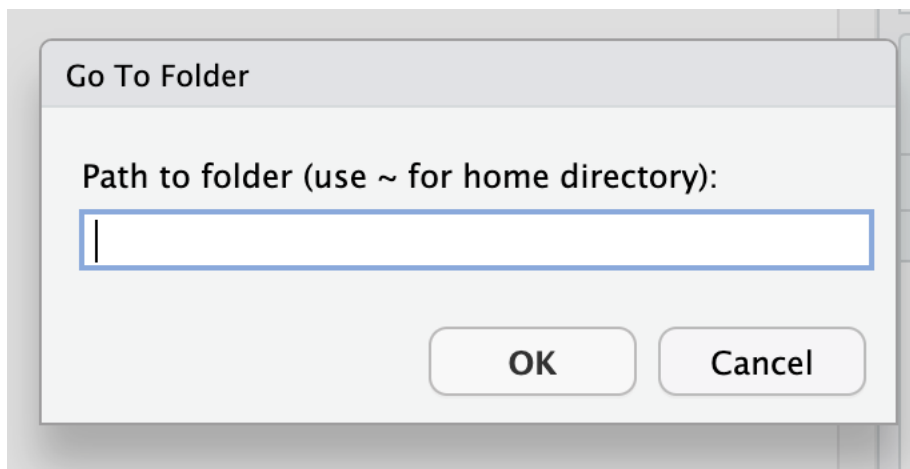
3. You can make a new folder, upload files, delete files, and rename files using the buttons right below “Files”



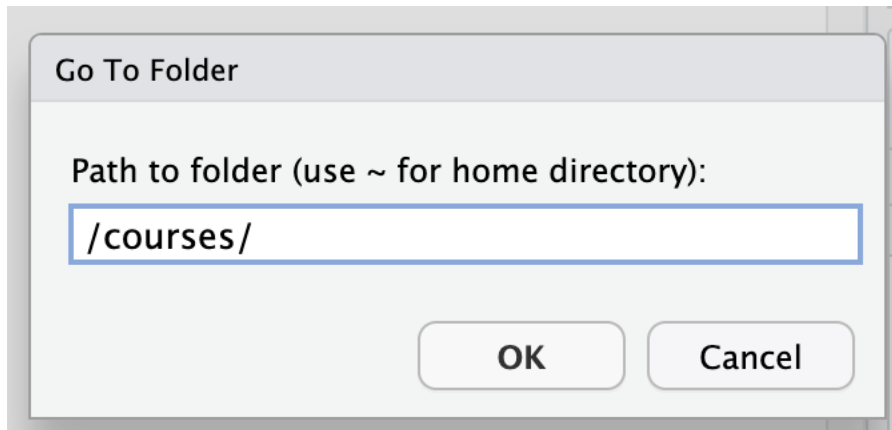
4. To navigate to other folders, you will press the “...” button in the top right corner of your files pane (circled in red)



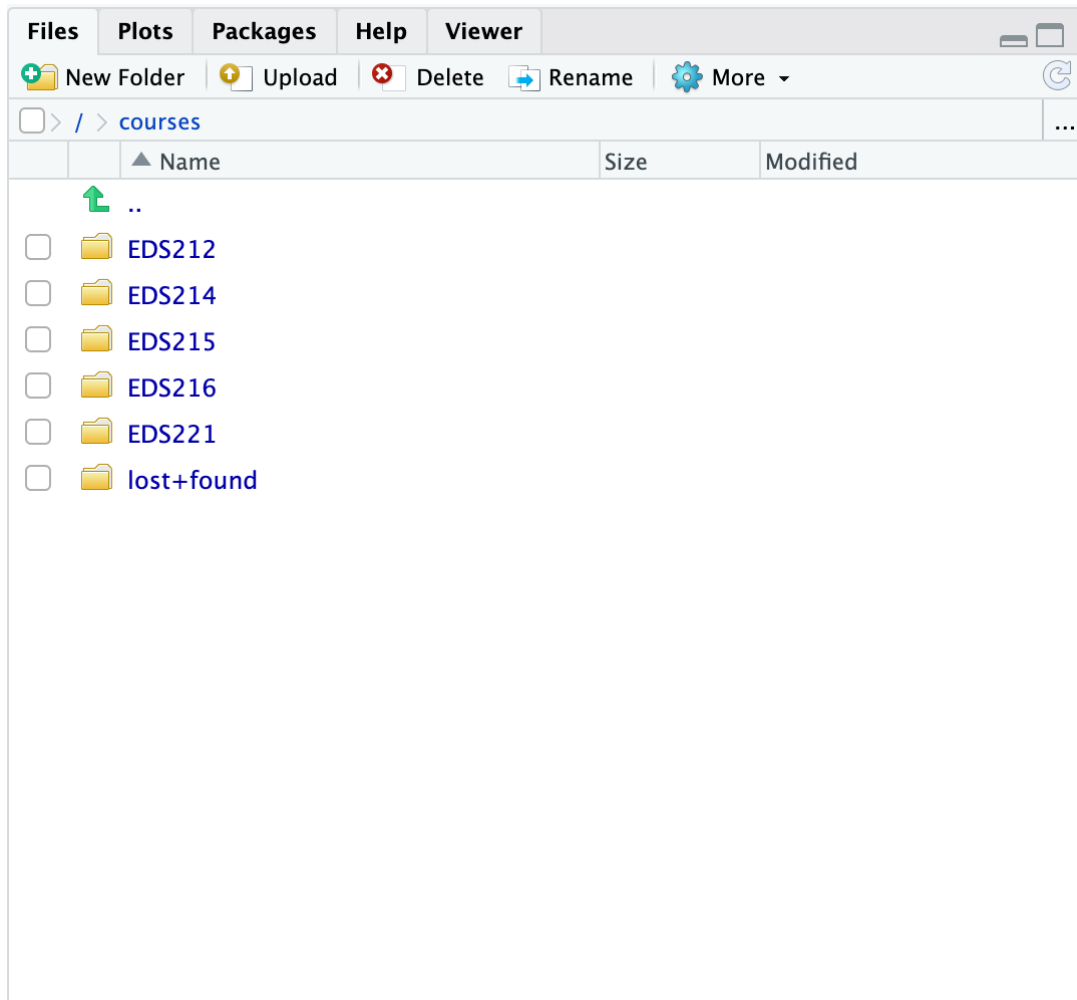
5. When you press on that button, the following window will open up:



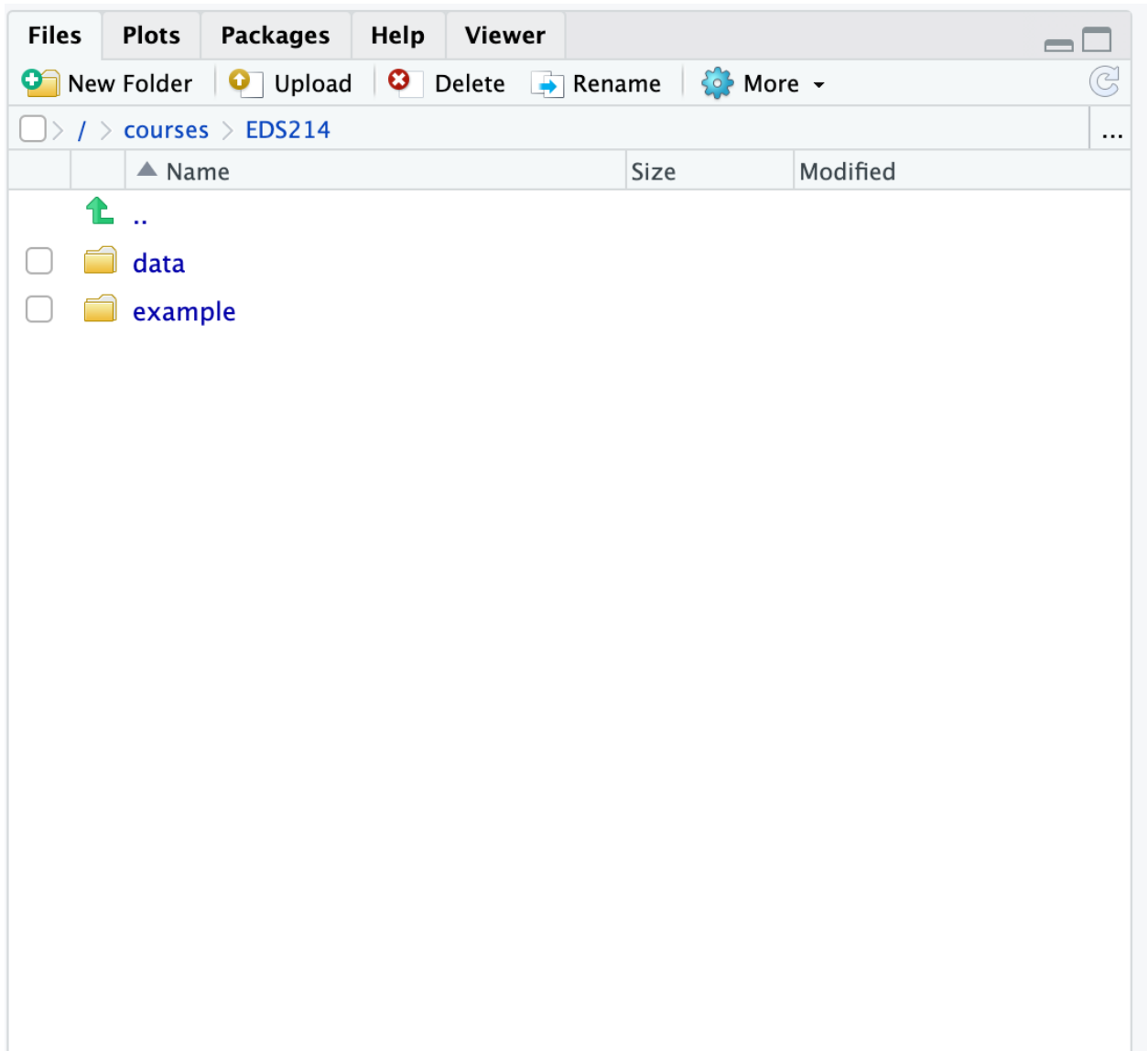
6. You can use this window to navigate to other folders within Taylor. As an example, we will navigate to the summer courses directory (/courses/):



7. When you press ok, your summer courses should pop up. It should look like this:



8. You can click on any of the courses and it will show you the data that your professor has uploaded to that folder. As an example, I clicked on “EDS214” and this is what’s in it:



9. You can use this same method to look through other folders within Taylor. As Brad mentioned in the presentation, there are multiple file storage places on Taylor. You can press the “...” button then type any of the following file paths to look through them. Here is the list (file paths are bold):

/courses/EDSXXX/

Faculty, Staff have write permissions and will put necessary datasets for coursework in appropriate folders. Students only have read permissions. (you can view permissions with `getfacl` command).

/Users/username

Your home folders, default location when logging in. Approximately 100GB of dedicated storage that only you have write access to.

- Uses POSIX file permissions

(Expectation of future Quota enforcement)

/Users/username/H

Special folder that is mapped to your Windows home folder. Used as a convenience to share files between Bren Windows computers, and Taylor. Should not be used to store significant amount of data. Requires a login event to mount such as SSH.

/scratch/username

Your scratch folder, additional space for fetching files, writing temporary files etc.

Meant to be ephemeral and data may be erased by admins on a regular basis.

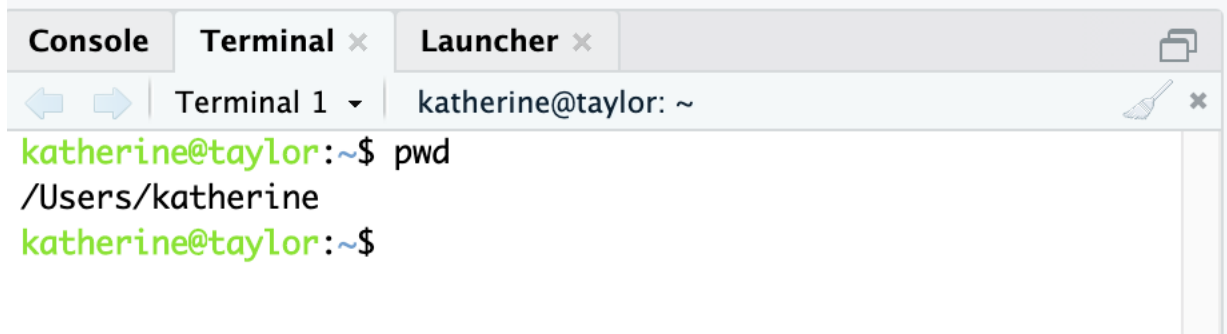
- Uses POSIX file permissions

- The Wild West!

Now let's say you want to change your working directory to another folder.

As an example, we'll set your "scratch" folder as your working directory:

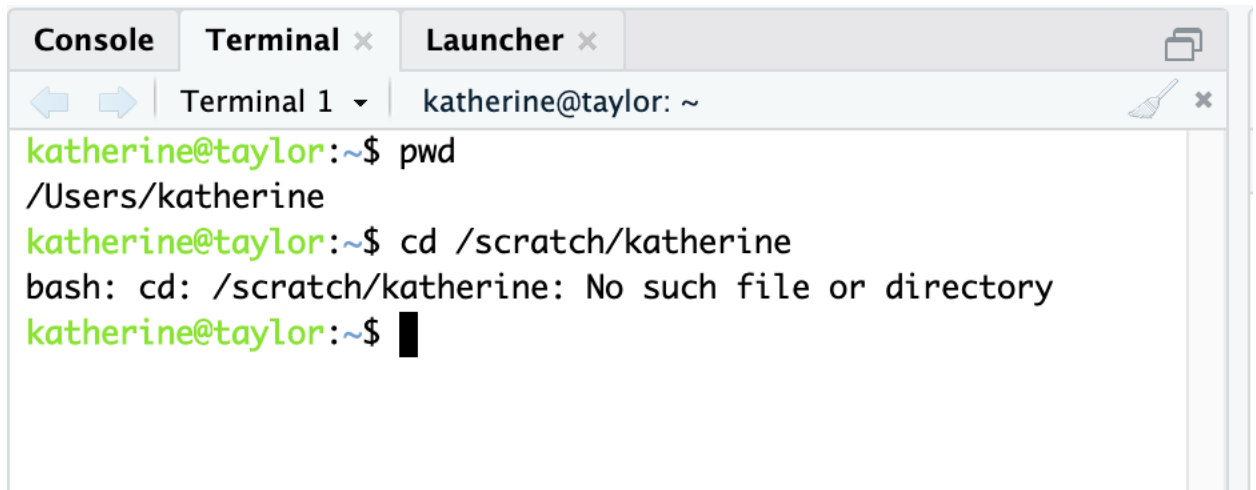
1. Open up your terminal in an RStudio Session on Taylor.
2. Type "`pwd`" which means print working directory



```
Console Terminal x Launcher x
Terminal 1 katherine@taylor: ~
katherine@taylor:~$ pwd
/Users/katherine
katherine@taylor:~$
```

This is your current working directory, which is also the default.

3. Now to change your working directory, you'll type "cd" and then type the scratch file path which should look like this:



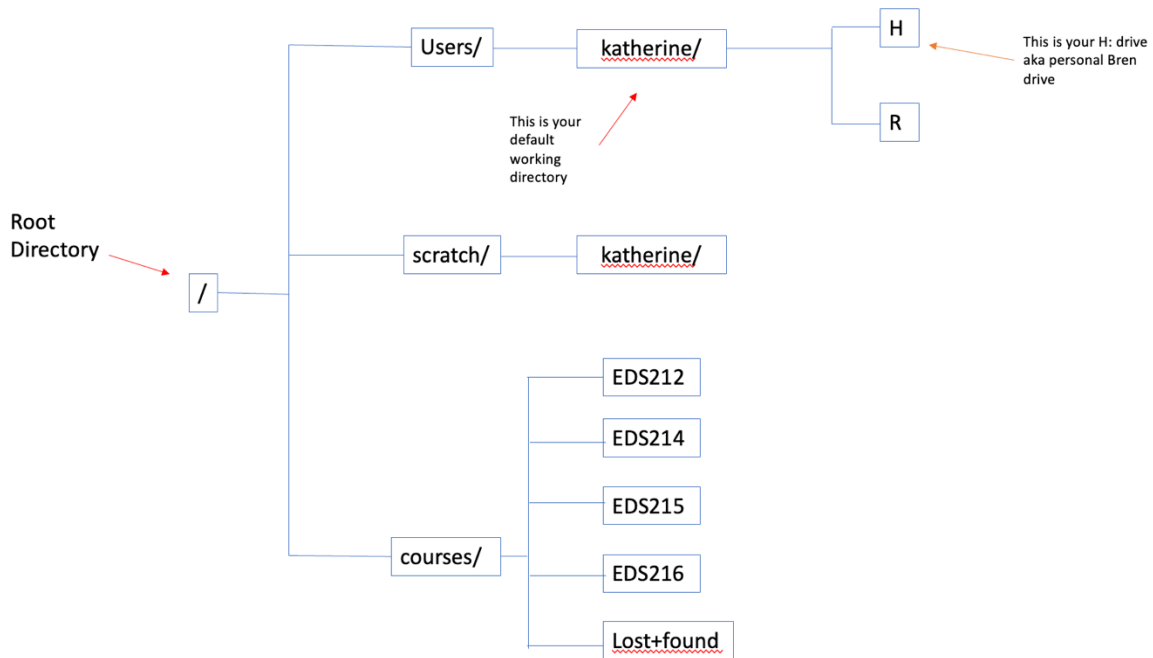
```
Console Terminal x Launcher x
Terminal 1 katherine@taylor: ~
katherine@taylor:~$ pwd
/Users/katherine
katherine@taylor:~$ cd /scratch/katherine
bash: cd: /scratch/katherine: No such file or directory
katherine@taylor:~$
```

NOTE: I don't have a scratch file, but you do - so if you type in your own username, you'll be working from your scratch folder.

As a test, type in "pwd" again and it should return with "/scratch/username"

4. Now if you run any commands in R, you'll be working from your scratch folder.
5. You can repeat step #3 and type in "cd /Users/username/H" in your terminal to set your H drive as your working directory.

For all the visual folks, this is a very basic map of Taylor:



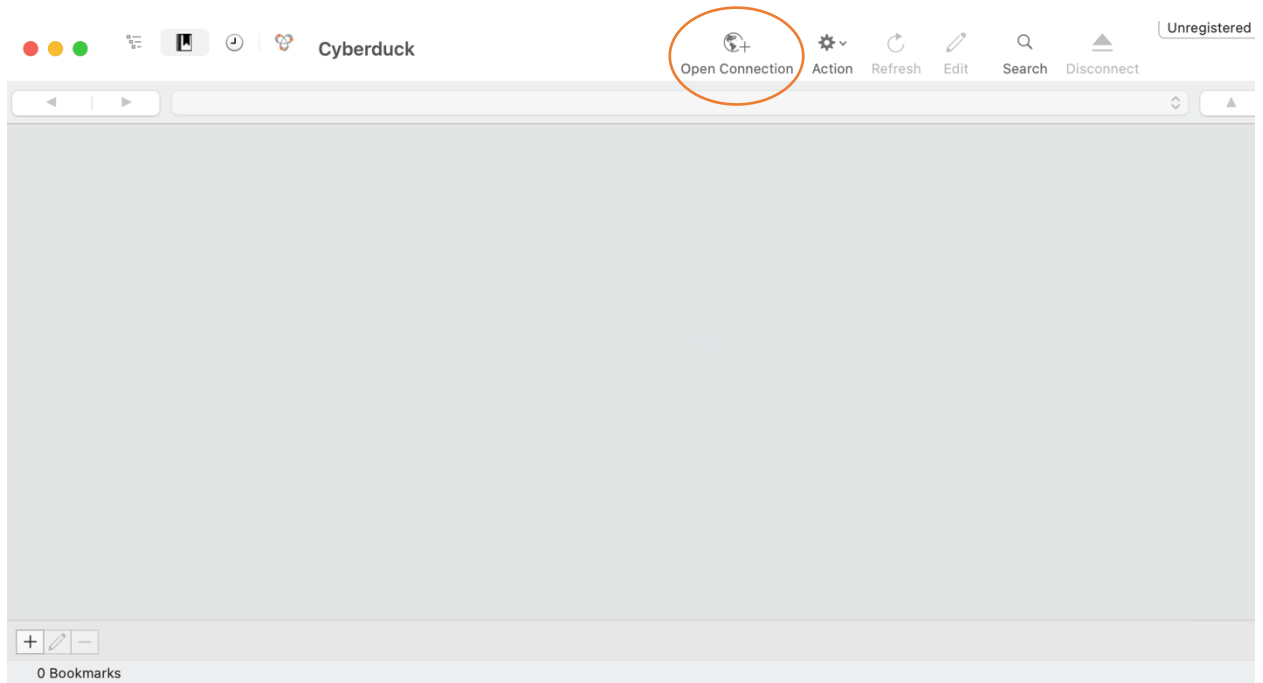
What's an easier way of navigating through files on Taylor?



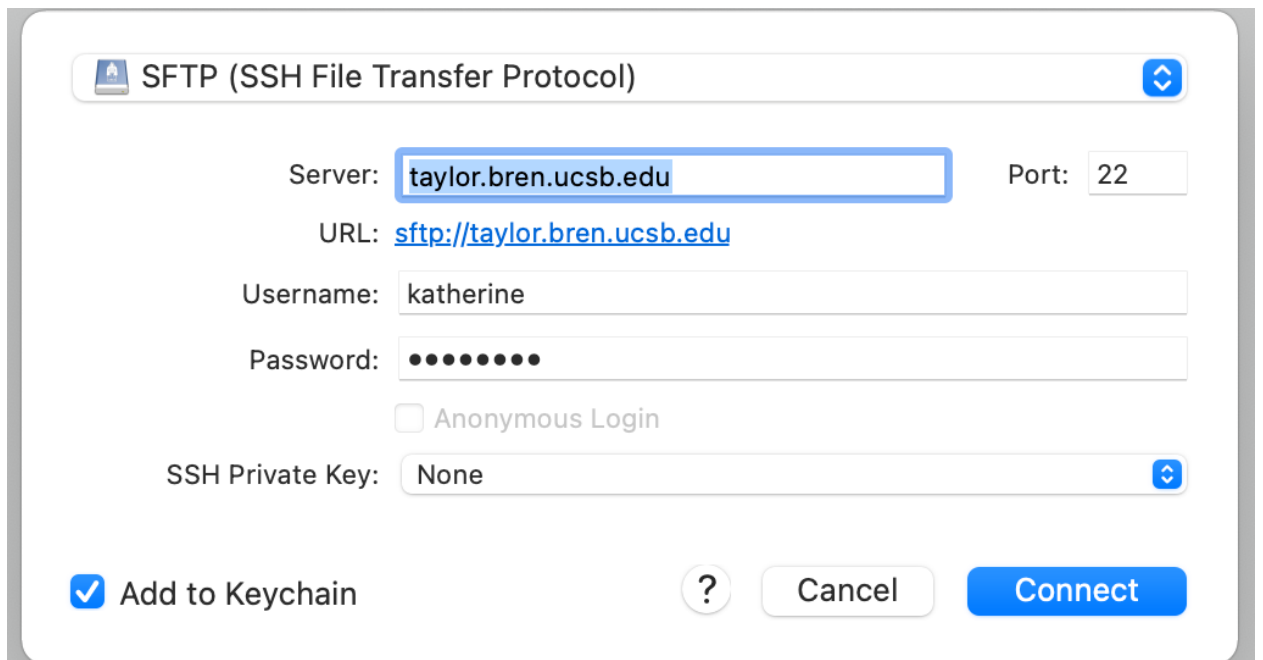
You can use an SFTP client, like Cyberduck. The advantage of using Cyberduck is it gives you a graphical user interface (GUI) to use to navigate through folders in Taylor. You can think of Cyberduck as your “finder” for Taylor.

To connect to Taylor using Cyberduck:

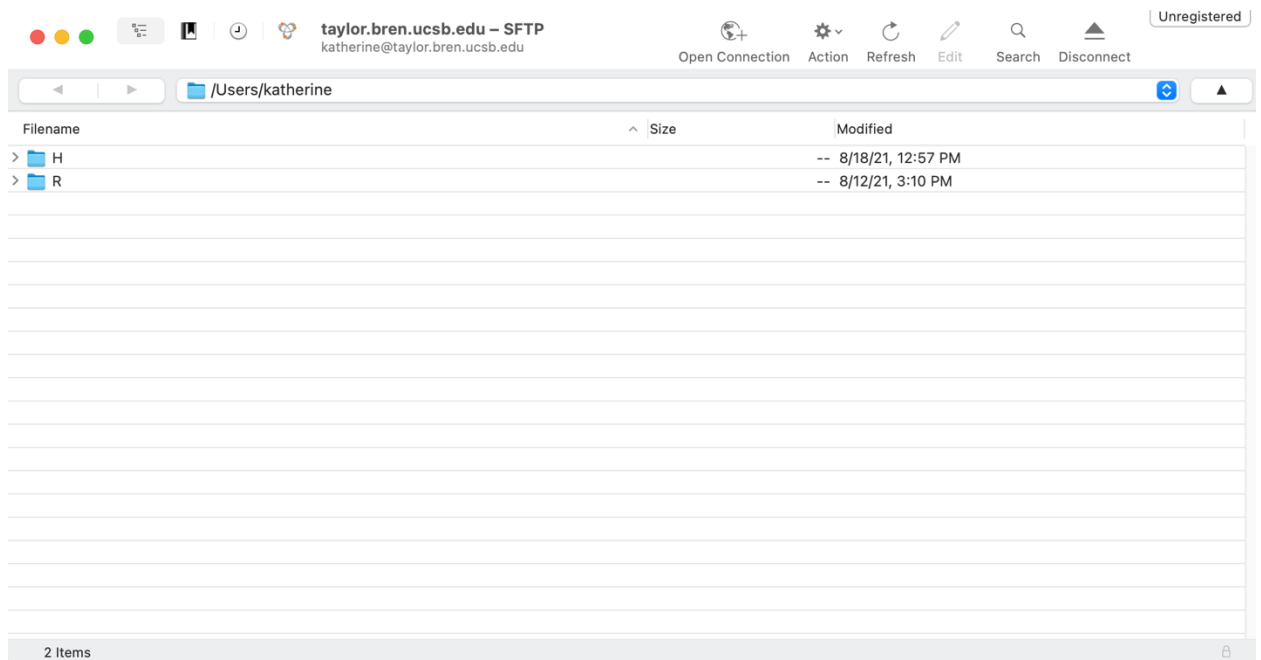
1. Download Cyberduck: <https://cyberduck.io/download/>
2. Open Cyberduck and click on “Open Connection”



3. This window will pop up. Make sure you choose “SFTP” in the drop-down menu at the top. Then fill in all the necessary information and press “Connect” then “Allow”



4. Now you're in your home directory on Taylor and this is what it should look like:



Thank you for coming to my TED talk. It's **completely** okay if you're still confused about any of this material. It's really challenging to conceptualize when you're first introduced to it.

Please feel free to message me on Slack or find me in person if you need any help at all.
Really, I'm happy to help you 😊

-Kat