

Git/GitHub Setup

These instructions have been adapted from documentation from Dr. Allison Horst's ESM 206 course at UCSB's Bren School for Environmental Science & Management

Step 0. Create a GitHub account

- Visit <https://github.com/>
- Create an account
 - Suggestions for your GitHub username (from Jenny Bryan's, [Happy Git/GitHub for the useR](#)):
 - "Incorporate your actual name! People like to know who they're dealing with. Also makes your username easier for people to guess or remember.
 - Pick a username you will be comfortable revealing to your future boss.
 - Be as unique as possible in as few characters as possible. In some settings GitHub auto-completes or suggests usernames.
 - Make it timeless. Don't highlight your current university, employer, or place of residence."

Step 1. Open the Terminal in RStudio

- In RStudio, if there is not already a 'Terminal' tab next to the Console tab, go to Tools > Terminal > New Terminal to open one. If Terminal is not an option, then go to Tools > SHell (they do the same thing). That will look something like this (but with your computer information and name) and there will be an active blinking cursor at the end of it.

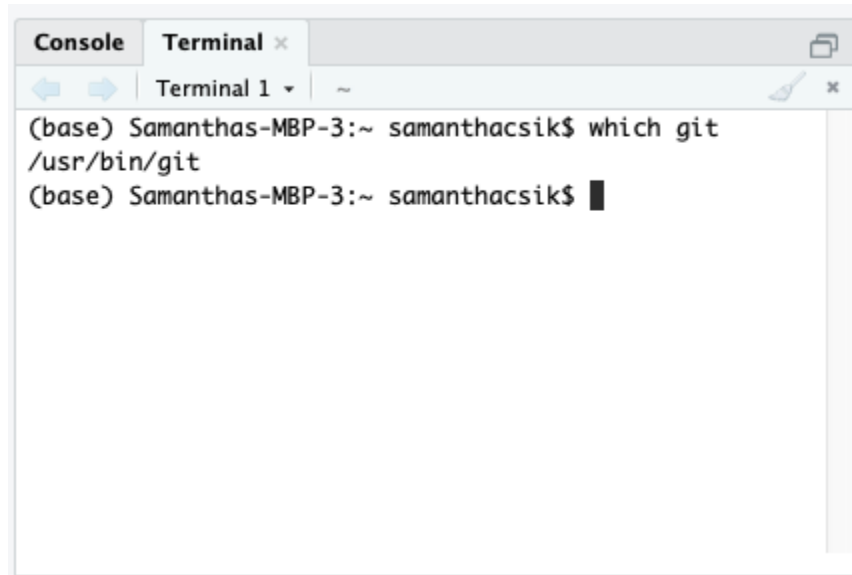


Step 2. Check to see if you have Git installed already

- Where the active cursor is, type `which git` and press Enter. If git is installed, it will return a pathway to something like `usr/bin/git` (it might not match that exactly, but if

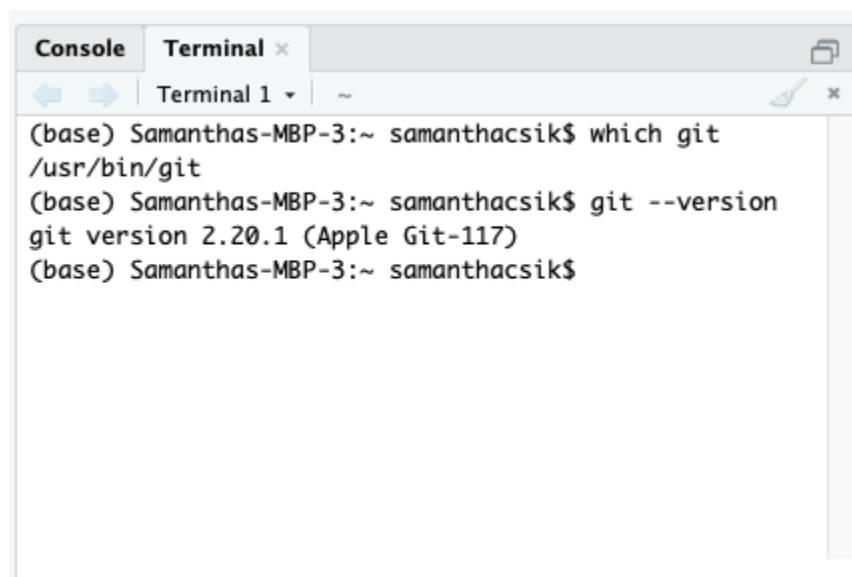
a pathway comes up that ends with [git](#), then you have it). If a pathway to git shows up, great! You have it. Continue to **Step 4** to configure GitHub.

- You may be prompted to install git automatically if you don't have it – choose yes!
- If you get something like, [git: command not found](#) and you are not automatically prompted to install, continue to **Step 3** to install manually.



```
Console Terminal x
Terminal 1 ~
(base) Samanthas-MBP-3:~ samanthacsik$ which git
/usr/bin/git
(base) Samanthas-MBP-3:~ samanthacsik$
```

- If you *have* git installed, you can also type [git --version](#) (then press Enter) to see the version of git you have. Like this:



```
Console Terminal x
Terminal 1 ~
(base) Samanthas-MBP-3:~ samanthacsik$ which git
/usr/bin/git
(base) Samanthas-MBP-3:~ samanthacsik$ git --version
git version 2.20.1 (Apple Git-117)
(base) Samanthas-MBP-3:~ samanthacsik$
```

Step 3. Manually install git

NOTE: You only have to do this if git was **NOT** found in Step 2, and you weren't prompted to install automatically

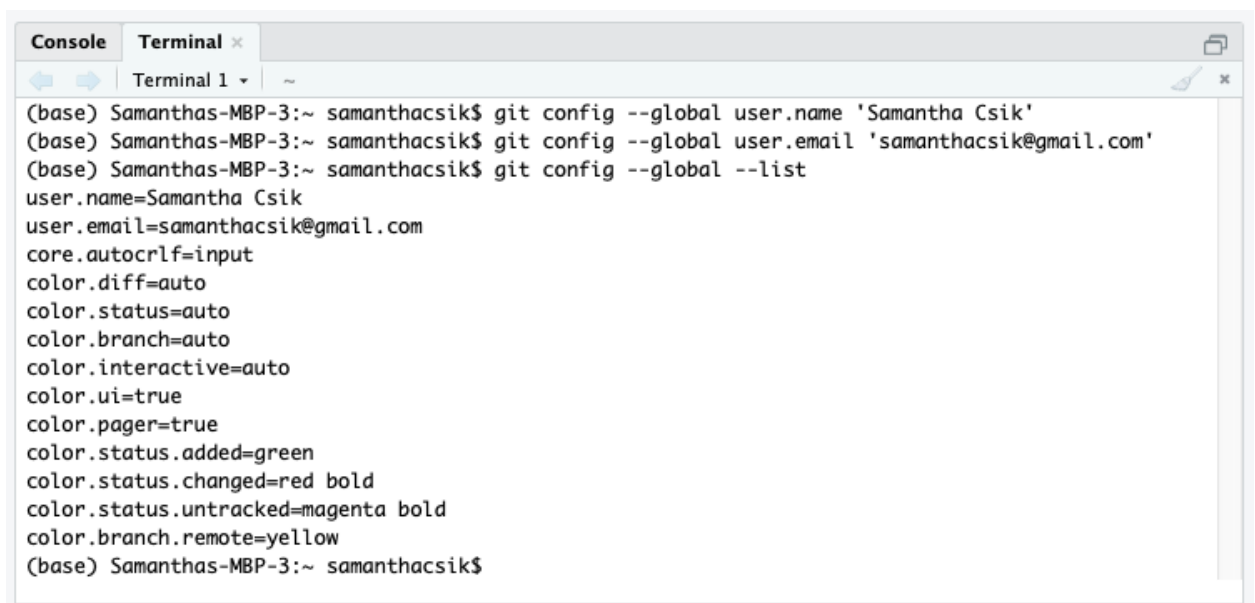
- Follow the instructions in [Ch. 6](#) of Jenny Bryan's Happy Git/GitHub for the user. Once you have it installed (you may need to restart RStudio first), make sure that you can see the git pathway and version in the terminal (do **Step 1** and **Step 2** above, ensuring that you can now see the pathway and version for git once it's installed). Once you have it successfully installed, continue to **Step 4**.

Step 4. Configure git

- In the Terminal (or Shell), enter the following (pressing 'Enter' after each line).

```
git config --global user.name 'Your Name Here'
git config --global user.email 'Your Email Here'
git config --global --list
```

- Where it says 'Your Name Here,' write your name (we recommend using your GitHub username or your real name). Where it says 'Your Email Here,' this **MUST** be your email associated with the GitHub account you created.
- For example, mine looks like this (though you may or may not see all the color configuration information in yours):

A screenshot of a terminal window titled 'Terminal x' with a tab labeled 'Terminal 1'. The prompt is '(base) Samanthas-MBP-3:~ samanthacsik\$'. The user enters three commands: 'git config --global user.name 'Samantha Csik'', 'git config --global user.email 'samanthacsik@gmail.com'', and 'git config --global --list'. The output of the third command is a list of git configuration settings, including user.name, user.email, core.autocrlf, color.diff, color.status, color.branch, color.interactive, color.ui, color.pager, color.status.added, color.status.changed, color.status.untracked, color.branch.remote, and the prompt '(base) Samanthas-MBP-3:~ samanthacsik\$'.

Git should now be installed and communicating with GitHub!