

Lab 07 Pre-Work: BMI 5/625

Making a Site in the Tada!-verse
Part Deux: Connecting to GitHub

Alison Hill



First:

Build a site with blogdown

NOW!:

Push your blogdown site to GitHub

Next up in Lab 07:

Making a shareable site



<http://happygitwithr.com>

Pre-work

This slide deck will lead you through the necessary sections of [Happy Git with R](#) to connect RStudio with your GitHub account.

We are going to assume:

- ✓ Chapter 5: [Register a GitHub account](#)
- ✓ Chapter 6: [Install or upgrade R and RStudio](#)

Chapter 7: Install Git

Key commands in terminal:

```
which git  
git --version
```

Chapter 8: Introduce yourself to Git

Key commands in terminal:

```
git config --global user.name 'apreshill'  
git config --global user.email 'apresstats@gmail.com'  
git config --global --list
```

Obviously change the user name and email to your own.

Skip Chapter 9

Chapter 10: Connect to GitHub

Do all of this chapter!

Chapter 11: Cache credentials for HTTPS

Do all of this chapter! (make sure you get through 11.3)

Chapter 12: Set up keys for SSH

Optional.

Chapter 13: Connect RStudio to Git and GitHub

REQUIRED: Do all of this chapter!

Chapter 14: Detect Git from RStudio

Note: "This often “just works”, so this page is aimed at people who have reason to suspect they have a problem."

Hurrah!

You made it this far!



Open up your R project file for your blogdown site made in Lab 06.

Existing project, GitHub last

Now read and do all of this chapter with your [blogdown](#) site, since we already made the project and want to now connect it to GitHub. See next slide...

Generally, I don't recommend this workflow! IRL I try to do:

- [New project, GitHub first](#)

18.2: Make or verify a Git repo

We'll add GitHub to our existing project, using Chapter 18 from Happy Git with R. Scroll down to (note this is now in your R console, not terminal):

```
install.packages("usethis")  
usethis::use_git()
```

It should say that a restart of RStudio is required, type in "absolutely"

When it restarts, you should see the Git pane in RStudio. Don't forget this step in terminal from your project's working directory:

```
git init
```

18.3: Stage and commit

Follow instructions to stage and commit.

18.4: Skip

18.5: Make and connect a GitHub repo

As the local repo, use your `blogdown` R project. Now is a great time to edit your `.gitignore` file **before** you push your local repo to a remote. Here is my file for a blogdown site:

```
.Rproj.user  
.Rhistory  
.RData  
.Ruserdata  
blogdown  
.DS_Store # if a windows user, Thumbs.db instead  
public/ # if using Netlify
```

Great job!



You are done with Lab 7 pre-work!