1. **Connect to GitHub**

   1.1 Make a repo on GitHub
   Go to https://github.com and make sure you are logged in.

   Near “Repositories”, click the big green “New” button. Or, if you are on your own profile page, click on “Repositories”, then click the big green “New” button.

   How to fill this in:

   - Repository template: No template.
   - Repository name: myrepo or whatever you wish (we’ll delete this soon).
   - Description: “Repository for testing my Git/GitHub setup” or similar. It’s nice to have something here, so you’ll see it appear in the README.
   - Public.
   - Initialize this repository with: Add a README file.

   Click the big green button that says “Create repository”.

2. **Install Git**

   You need Git, so you can use it at the command line and so RStudio can call it.
   If there’s any chance it’s installed already, verify that, rejoice, and skip this step. (But consider updating an existing installation.)
   Otherwise, find installation instructions below for your operating system.

   2.1 Git already installed?

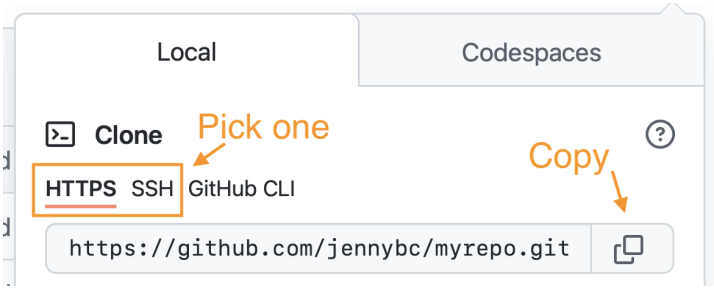
   Go to the terminal in R . Enter which git to request the path to your Git executable:
   which git
   ## /usr/bin/git

   and git --version to see its version:

   git --version
   ## git version 2.37.2

   2.2 Need to install ?
   Install Git from here:
   http://git-scm.com/downloads.

3. Go to Github Account
   - Select the AFS repository
   - Now click the big green button that says “<> Code”.
   - Copy a clone URL to your clipboard. If you’re taking our default advice, copy the HTTPS URL. But if you’re opting for SSH, then make sure to copy the SSH URL.
   - Selecting an HTTPS vs SSH URL on GitHub



4. Clone the test GitHub repository to your computer via RStudio
   In RStudio, start a new Project:

   - File > New Project > Version Control > Git. In “Repository URL”, paste the URL of your new GitHub repository. It will be something like this https://github.com/jennybc/myrepo.git.
   - Accept the default project directory name, e.g. myrepo, which coincides with the GitHub repo name.
   - Take charge of – or at least notice! – where the Project will be saved locally. A common rookie mistake is to have no idea where you are saving files or what your working directory is. Pay attention. Be intentional.
   - I suggest you check “Open in new session”, as that’s what you’ll usually do in real life.
   - Click “Create Project”.
   - You should find yourself in a new local RStudio Project that represents your test repo on GitHub. This should download the README.md file from GitHub. Look in RStudio’s file browser pane for the README.md file.

5. Make local changes, save, type in commit message and commit and push
   From RStudio, modify the README.md file, e.g., by adding the line “This is a line from RStudio”. Save your changes.

   Commit these changes to your local repo. How?

   From RStudio:

   - Click the “Git” tab in upper right pane.
   - Check “Staged” box for README.md.
   - If you’re not already in the Git pop-up, click “Commit”.
   - Type a message in “Commit message”, such as “Commit from RStudio”.
   - Click “Commit”.
6. Push your local changes online to GitHub
7. Confirm the local change propagated to the GitHub remote

IF YOU ENCOUNTER FATAL AUTHENTICATION ERROR
Follow this link to create an authentication key (personal access token).

https://github.com/settings/tokens/new

Name: xyz
Expiration: Never
Scope: select all

Generate token
This token can be used as your password for the pop up in R Studio

Snippet Styling:

```
snippet my_header
	## ---------------------------
	##
	## Script name:
	##
	## Purpose of script:
	##
	## Author: Siddharth Chaudhary
	##
	## Date Created: `r paste(Sys.Date())`
	##
	## Copyright (c) Siddharth Chaudhary, `r paste(format(Sys.Date(), "%Y"))`
	## Email: siddharth.chaudhary@wsu.edu
	##
	## ---------------------------
	##
	## Notes:
	##
	##
	## ---------------------------
```

If you are unable to read your snippet in an RScript file then check indentation in the snippet.