Sign up for Github:

Github: https://github.com

Use your Chapman email address!

Pick a password that is different than your Chapman password

Install git:

git download: https://git-scm.com/downloads

Put it in default directory

Activate in RStudio:

Go to Preferences > Git/SVN

Check “Enable version control interface for Studio projects”

Initialize git:

Go to command line…

- MAC: Applications > Other > Terminal

- Windows: Start button > Search > “cmd”

Enter the following commands:

```
>  git config --global user.name yourusernamefromgithub

>  git config --global user.email youremail@chapman.edu
```

Exit command line.

Start a New Project in RStudio (Method 1 — Easiest)

Go to Github and in "Repositories" click the green "New Repository" button.

Pick a unique repository name (this will also be a folder name on your computer).

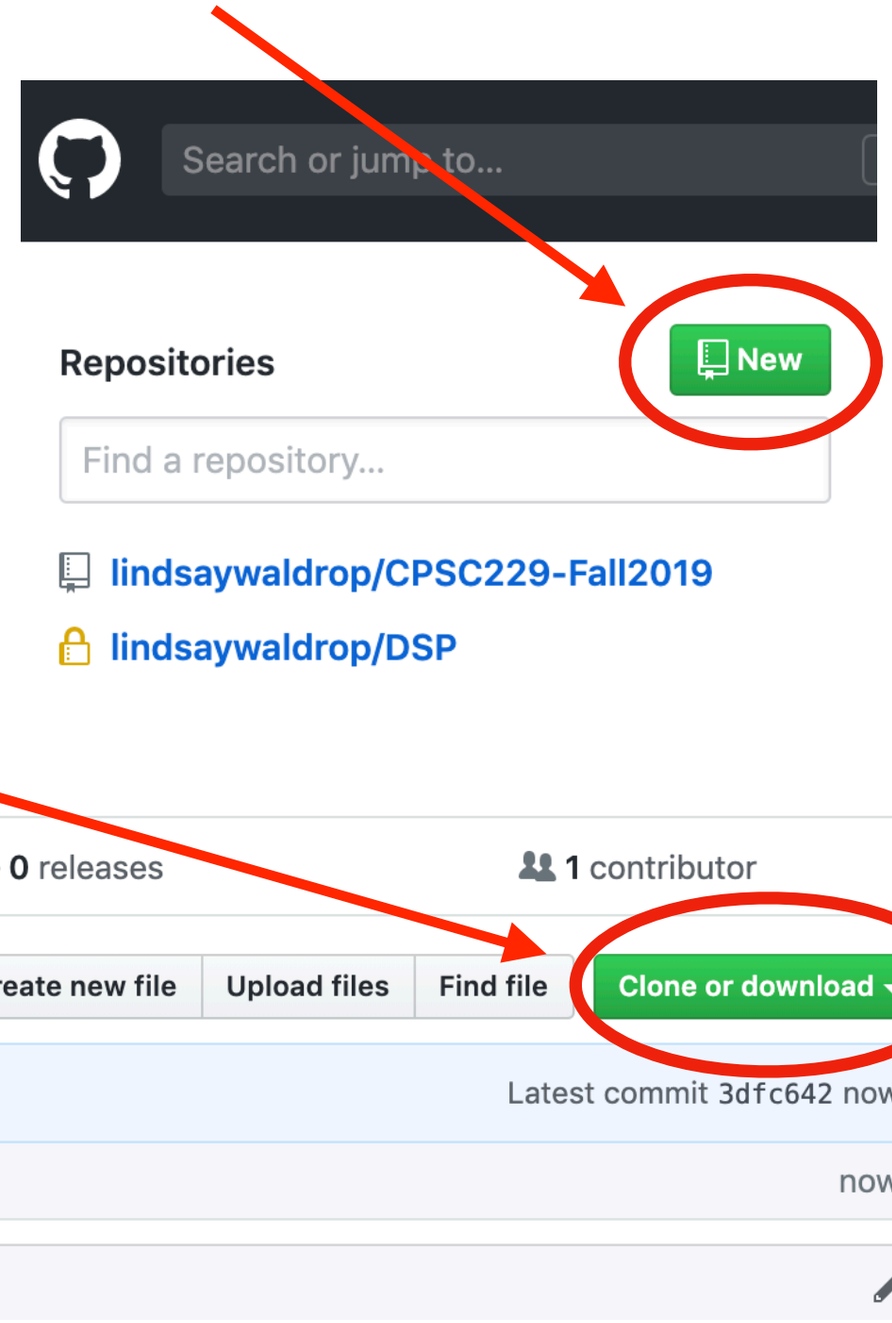
Click "Initialize this repository with a README file" then "Create Repository"

Click the "Clone or download" button and copy the URL to your clipboard.

Return to RStudio and from Files select "New Project…"

Select "Version Control" option and then "git"

Copy the URL from Github into the repository URL box and then click through to create a new project!



Protip: If you want to clone an existing repository, follow the same instructions, just use the existing repository's URL instead of creating a new one!

Basics of Operating git/Github

Your computer

Saved!

```
Your code
New code
New code
```

Staged	Status	Path
☐	M	YourRscript.R

You add some new code.

Click status checkbox

Staged!

```
Your code
New code
New code
```

Staged	Status	Path
☑	M	YourRscript.R

Changes to scripts recorded and catalogued.

Commit

Your git repository

Changes | History | master | (all commits)

Subject
HEAD -> refs/heads/master Another person's work
Added Comments
Added library
Multi function
Added a subtraction function
Added new function
Initial commit

Staged changes added to history

PULL

PUSH

Github

PUSH

Changes | History | master | (all commits)

Subject
HEAD -> refs/heads/master Another person's work
Added Comments
Added library
Multi function
Added a subtraction function
Added new function
Initial commit

Start a New Project in RStudio (Method 2 — Harder)

From RStudio and from Files select “New Project…” and then “New Directory” and “New Project”.

Be sure to select “Create a git repository”. Click through to start your new project.

Add some code/files. Commit these changes.

Go to Github and in “Repositories” click the green “New Repository” button.

Give your repository on Github THE SAME NAME as your RStudio project (this will help sync them).

UNSELECT “Initialize this repository with a README file” then “Create Repository.”

Click the “Clone or download” button and copy the URL to your clipboard.

Return to RStudio and click the little cog under the “Git” tab, select “Shell.”

Click the “Clone or download” button and copy the URL to your clipboard.

Enter the following commands:

```
>   git remote add origin URLYOUCOPIED
>   git remote -v
>   git push --set-upstream origin master
```

Now you can push and pull from Github!