Fork the class repo to your GitHub account

Connect to docker and mount a local volume

Start a new project in Rstudio.

Choose version control project.

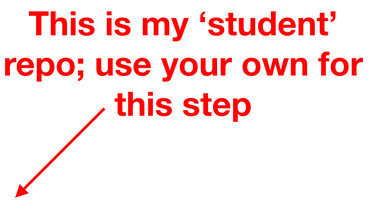
Choose git.

Copy ‘https:’ repo url then press tab

`https://github.com/nlangholzucla/stat418-tools-in-datascience-2025.git`

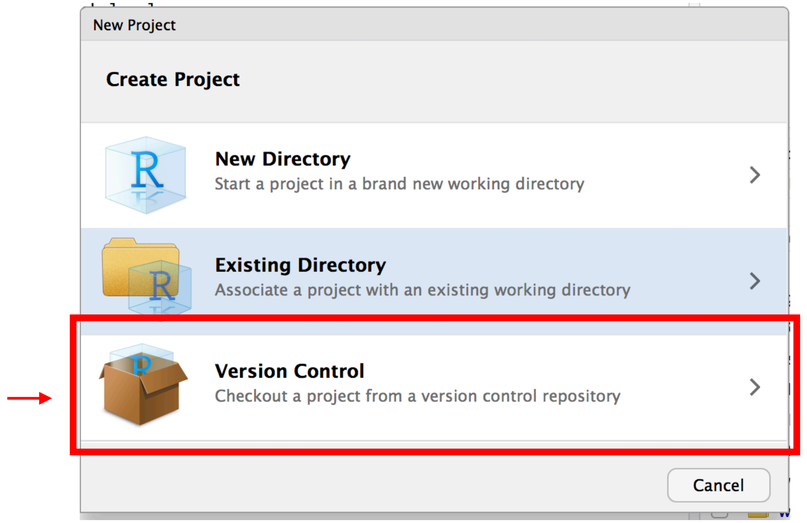
Browse to the directory where you want to setup your project and open

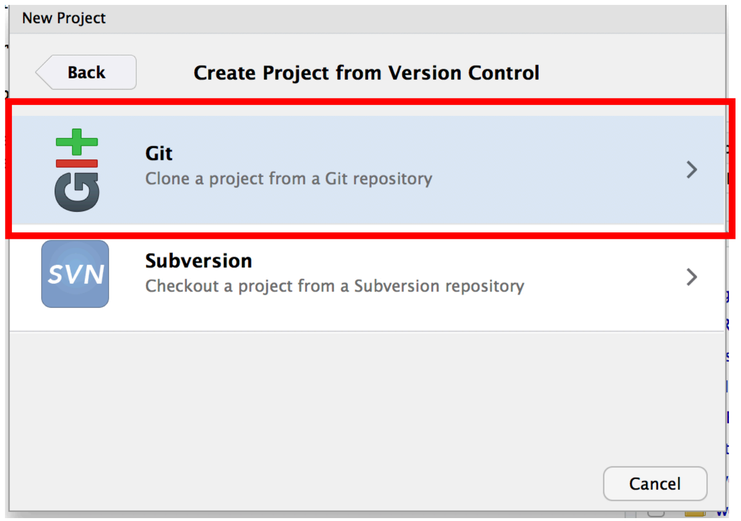
Start the new project

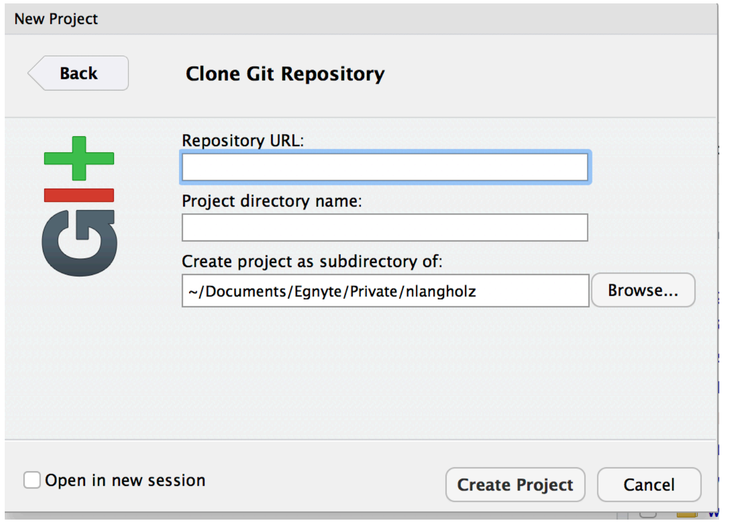


Choose version control project. (1)

Choose git. (2)





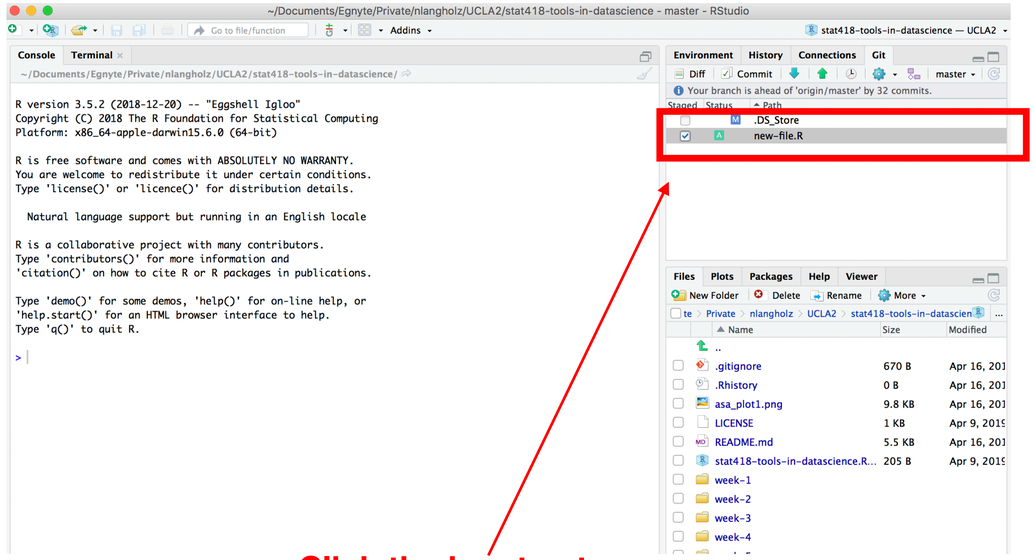


Copy ‘https:’ repo url then press tab (3)

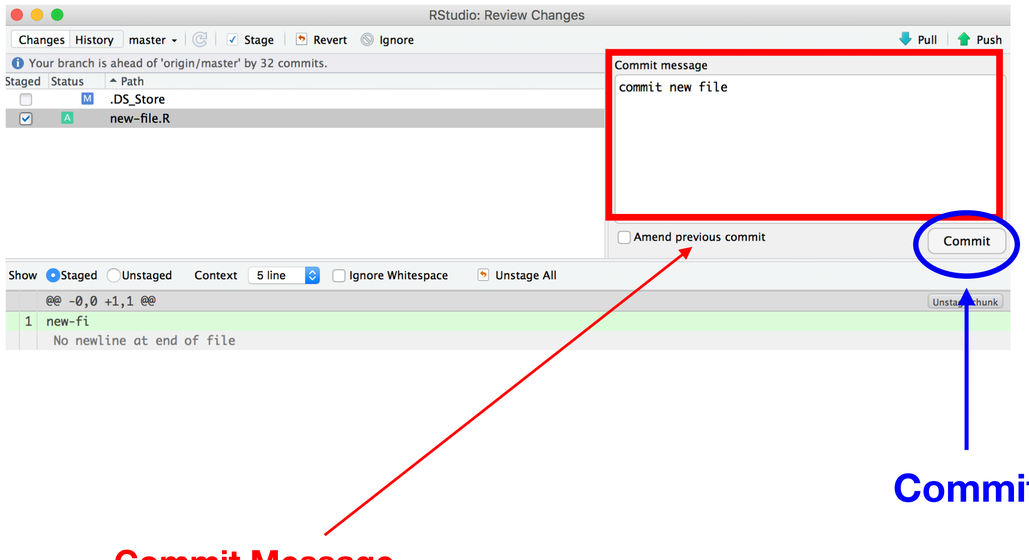
`https://github.com/nlangholzucla/stat418-tools-in-datascience-2025.git`

Browse to the directory where you want to setup your project and open. Start new project. (3)

Create your first commit. Make a file; save it to your local repo.



Click the box to stage and then commit



Commit Message

Commit

Click the the box next to file to stage it. Then click commit and add a commit message.

Finally click the box to commit.

Finally click the box to commit.(continued…)

This won’t work so you will have to set your global git user email and user name.

(If it does work then you have already set up these details at a previous time. Congrats!)

Click on the terminal tab next to the console in Rstudio.

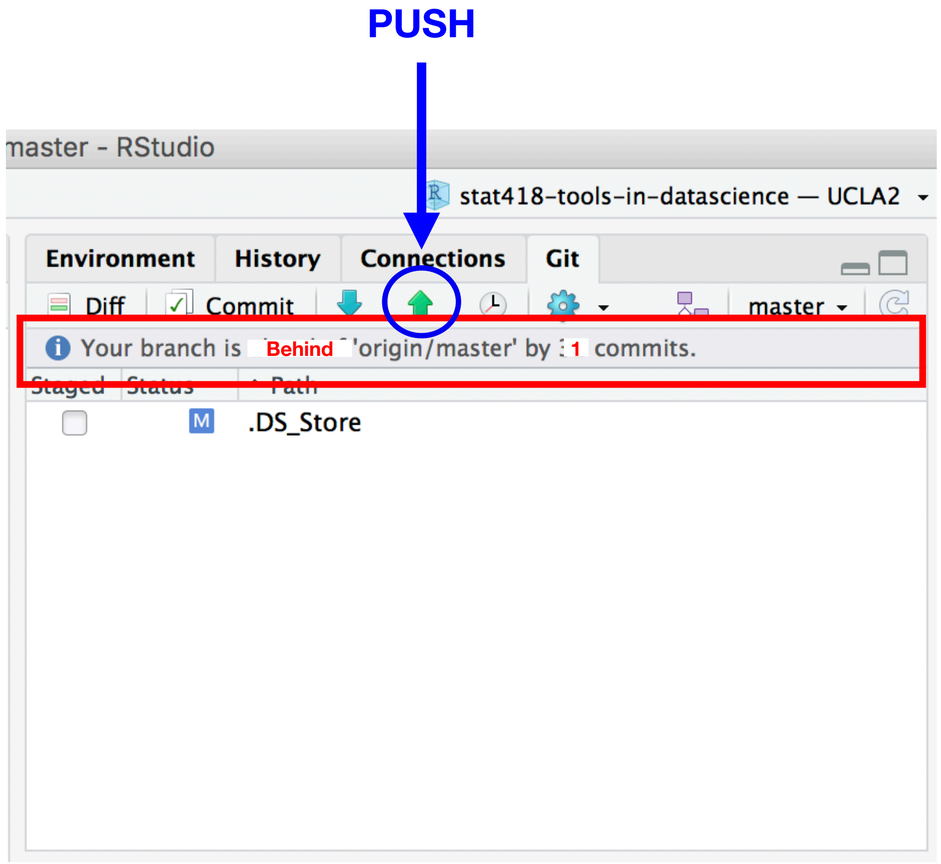
In the terminal

```
 git config --global user.email “<your-github-email>”
git config --global user.name “<your-github-username>”
```

Now try to commit again. Use a descriptive comment. Will ask for your username and password.

You will see that your origin/master is one commit behind your local repo. To get your remote repo up-to-date you need to push. Click the green up arrow to push.

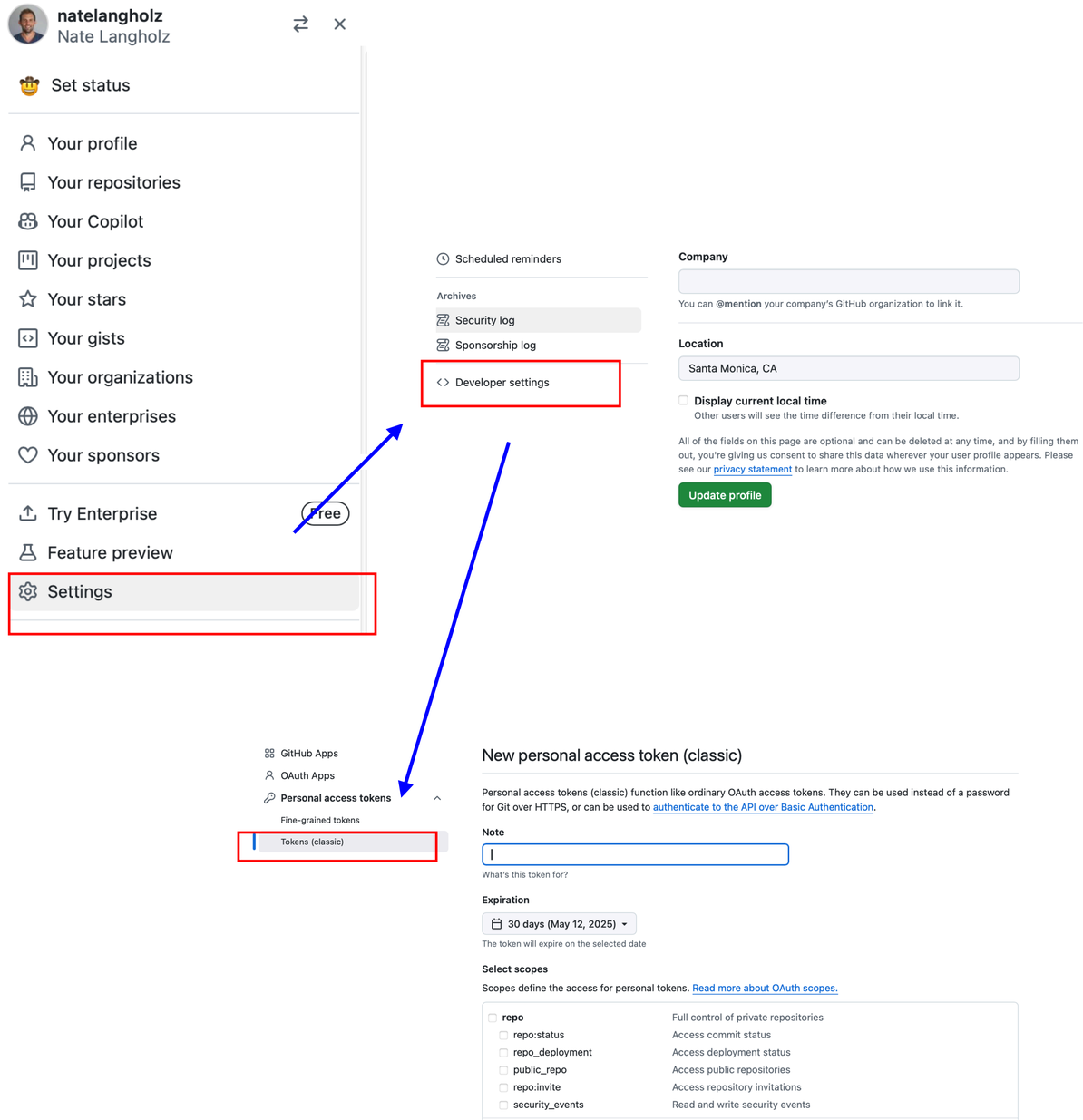
Now go check your remote repo (on GitHub.com) to make sure the changes are available there.



When you go to push it will now ask for your GitHub username and personal access code

The personal access code, can be created under your profile settings, developer settings, and personal access tokens.

Create a classic one for this use with here and so far I've selected all scopes. With that copied token, you can now input and push.



Sync your forked repo to my master repo. Configure a remote that points to the upstream original repository in git to sync changes you've made with the original and allows you to sync changes made in the original repository with the fork.

List current configured remote repository for your fork

```
git remote -v
```

Specify a new remote upstream…the original repository

```
git remote add upstream https://github.com/natelangholz/stat418-tools-in-datascience-2025.git
```

Makes sure the new upstream repository is the correct one

```
git remote -v
```

Sync a fork of a repository to keep it up-to-date with the upstream repository. Fetch the branches and commits from the upstream repository. Commits to master will be stored in a local branch, upstream master. **Repeat this in your project when you want to sync new commits from upstream… should do this at least once a week (at the start of each class)**

List current configured remote repository for your fork

```
git fetch upstream
```

Check out your fork's local master branch

```
git checkout main
```

Merge changes from upstream/master into your local master branch. Brings your fork's master into sync with upstream repository, without losing local changes

```
git merge upstream/main
```