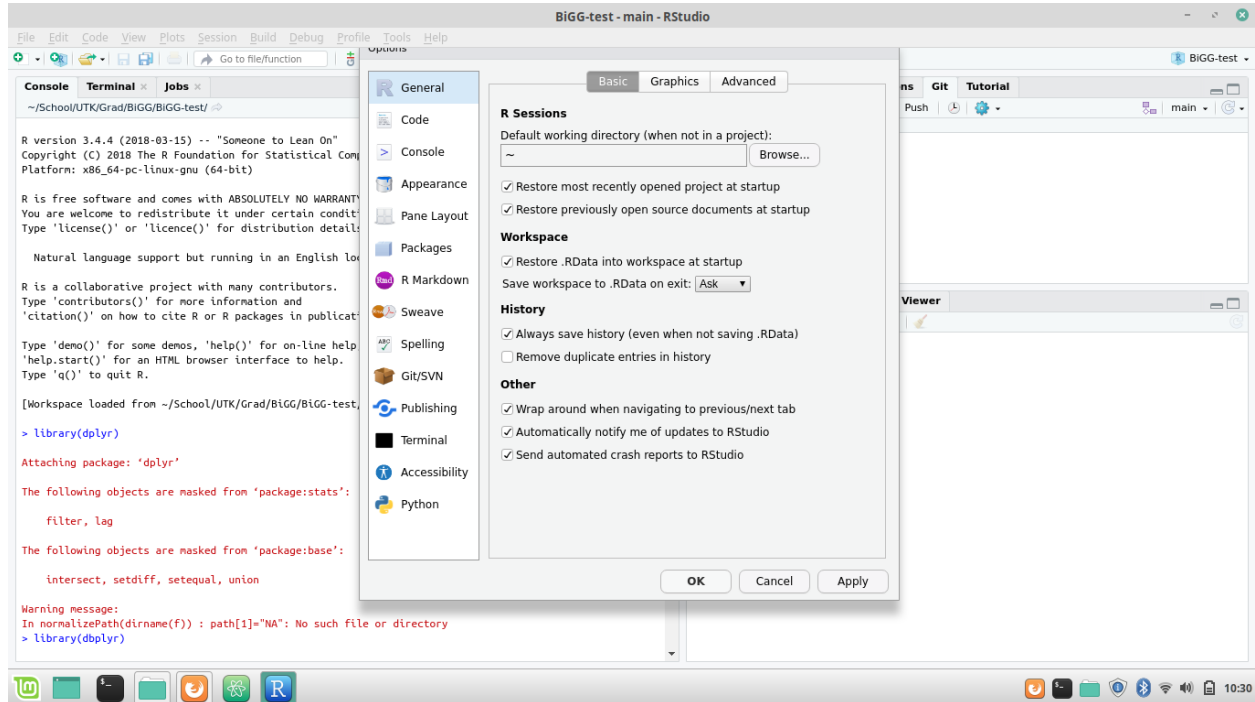
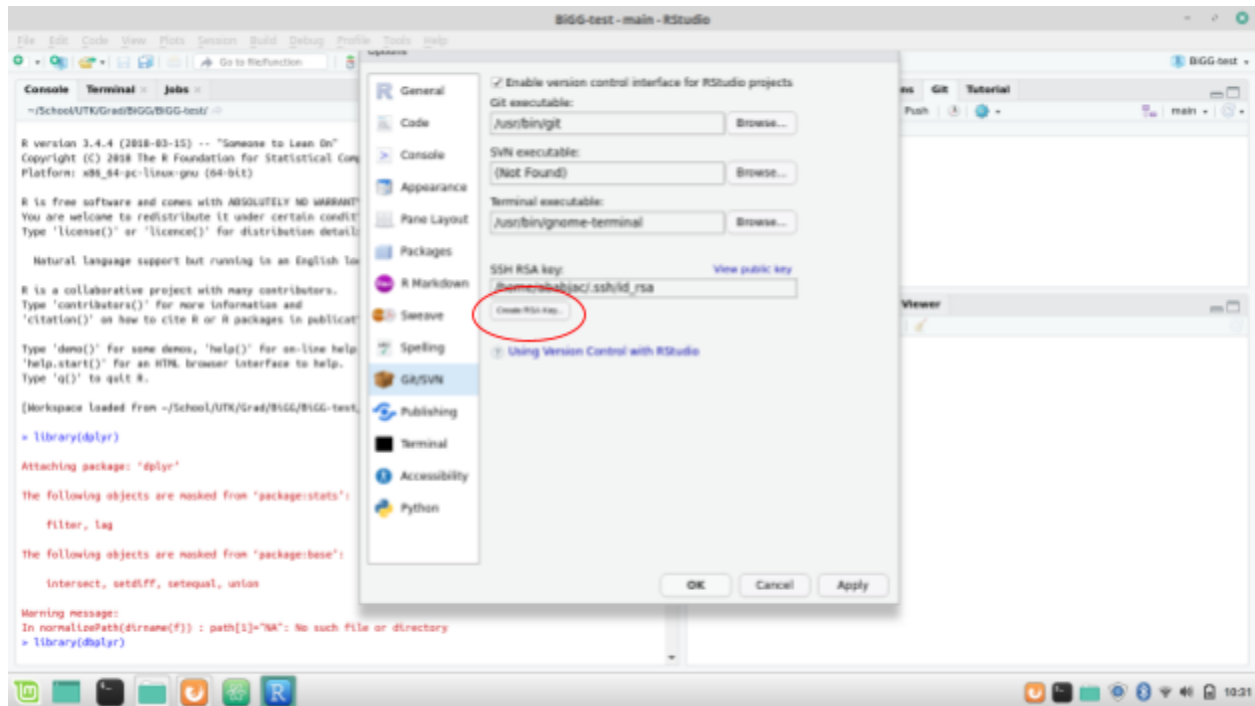


Steps for Configuring your GitHub Repo

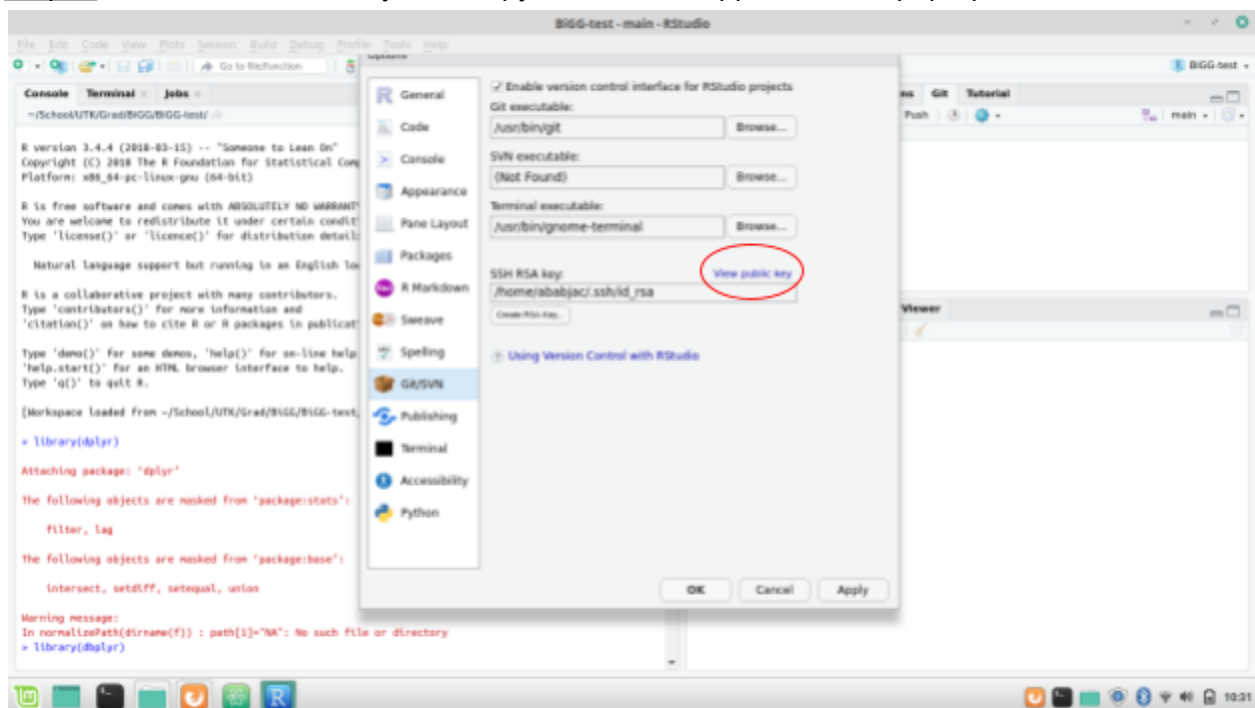
Step 1: Open RStudio and navigate to **Tools > Global Options**. You should see a window pop up like below:

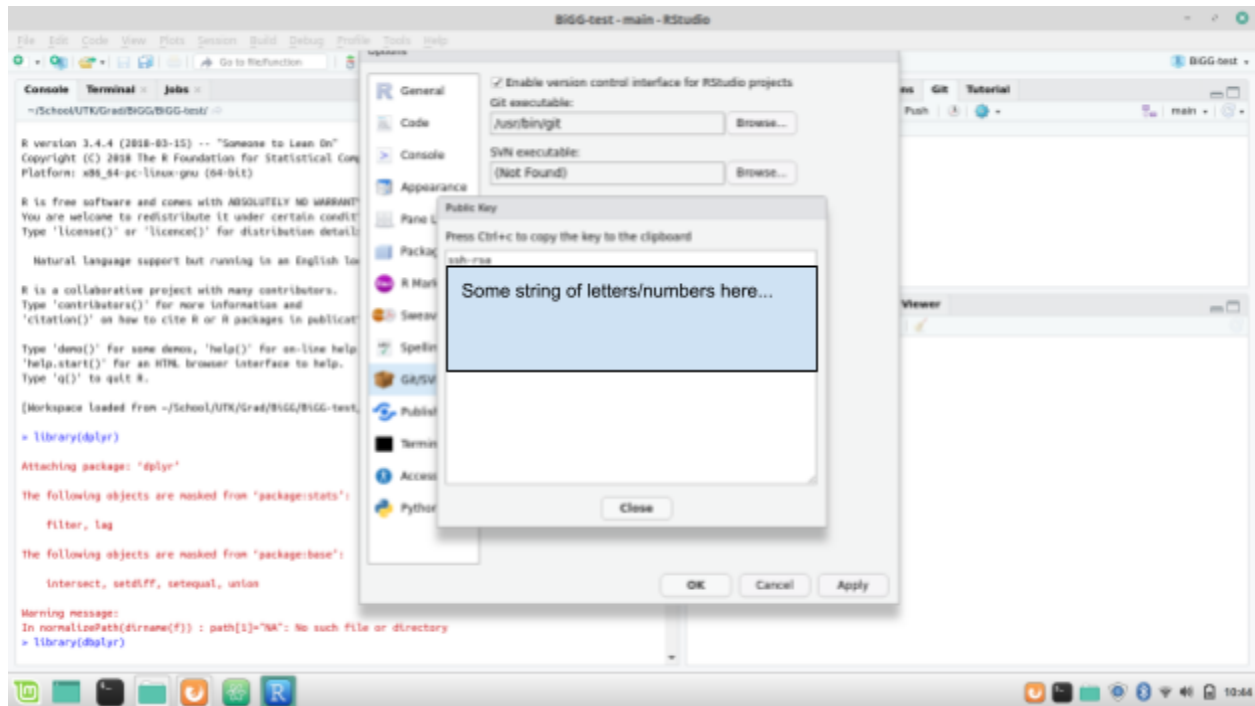


Step 2: Click on the Git/SVN tab and click the “Create RSA Key” button. It will have an optional “passphrase” box which you can leave blank.

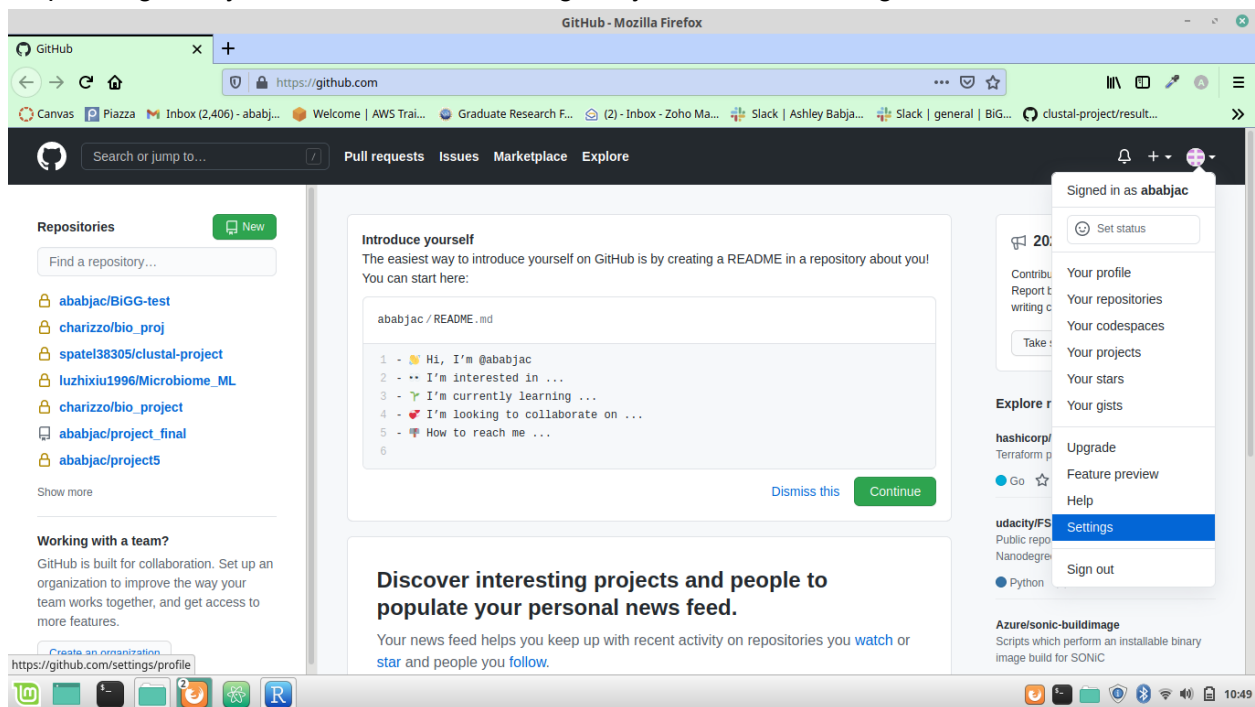


Step 3: Click “View Public Key” and copy the text that appears in the pop-up window.

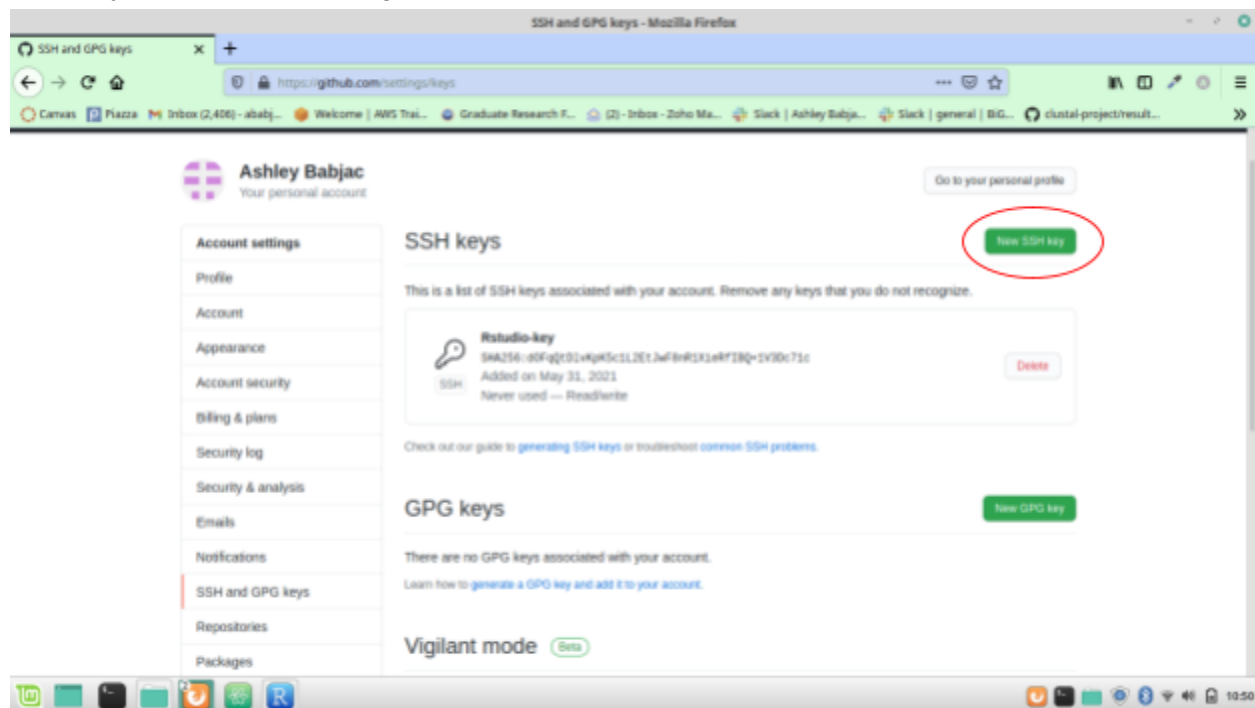




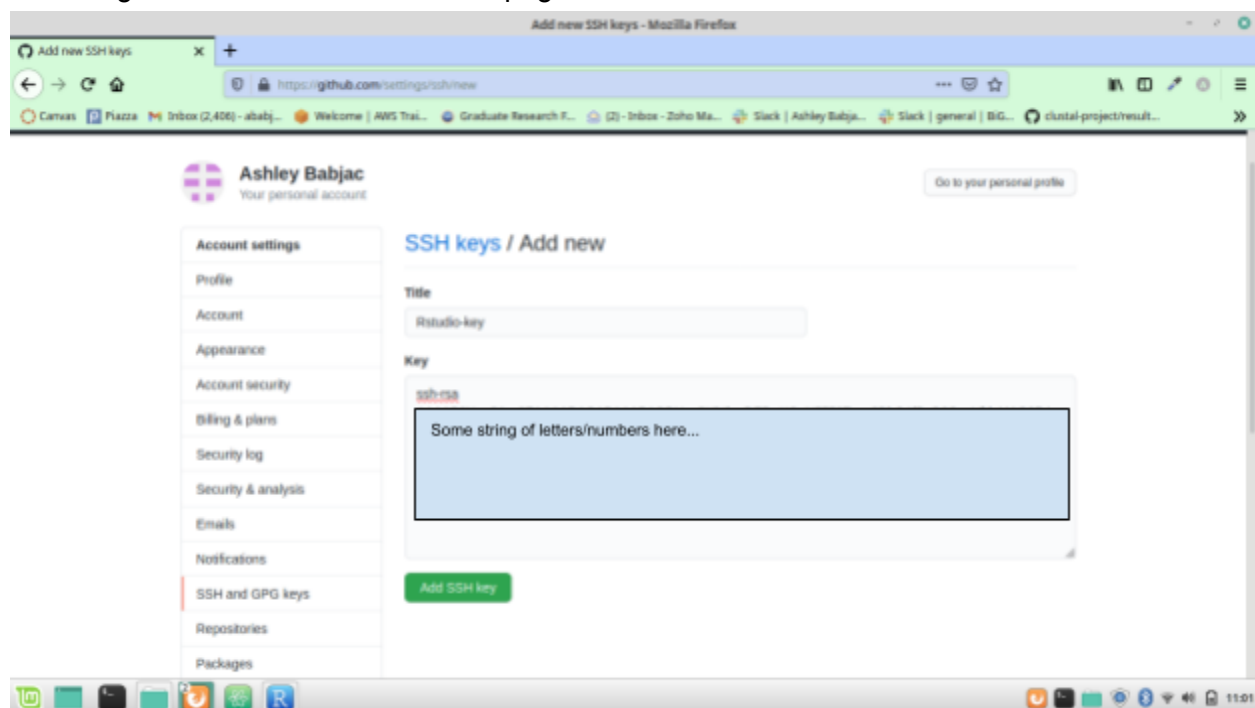
Step 4: Log in to your GitHub account and go to your account settings.



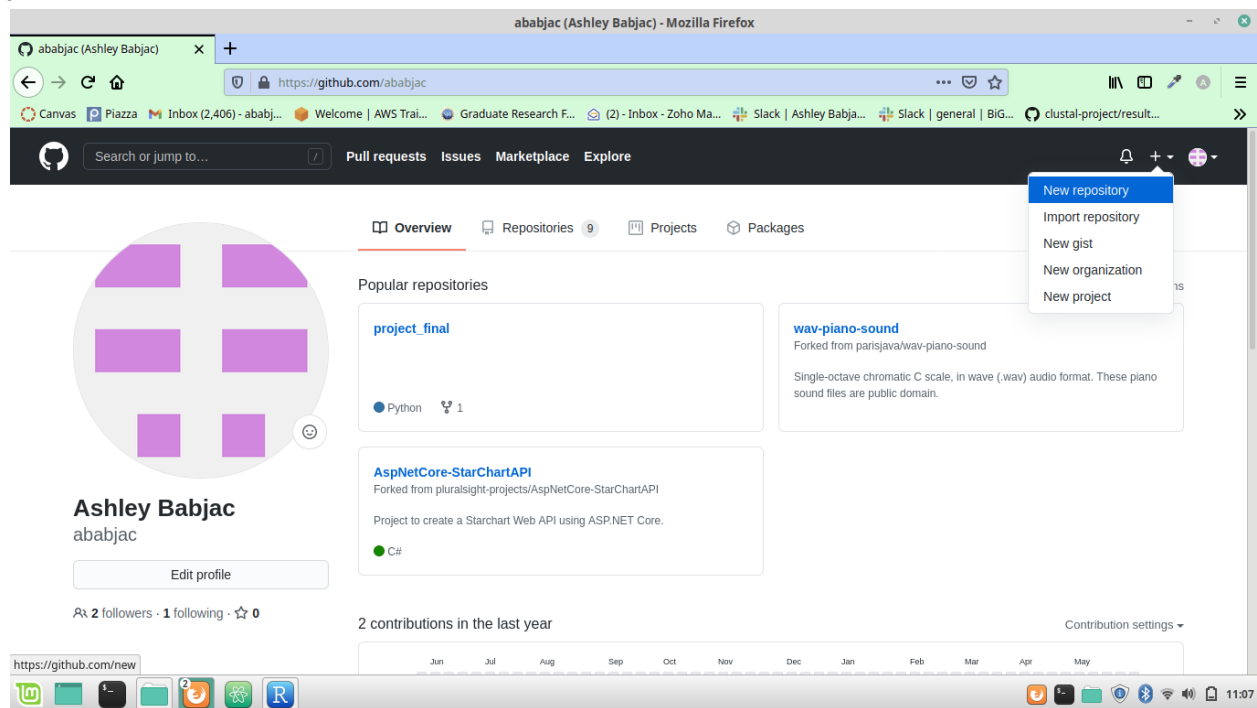
Step 5: Scroll down the side bar until you see an **SSH and GPG Keys** tab. Click on the “New SSH Key” button at the top right.



Step 6: Paste your public key into the “Key” box and give your key a title. Hit “Add SSH Key” and navigate back to the main GitHub page.

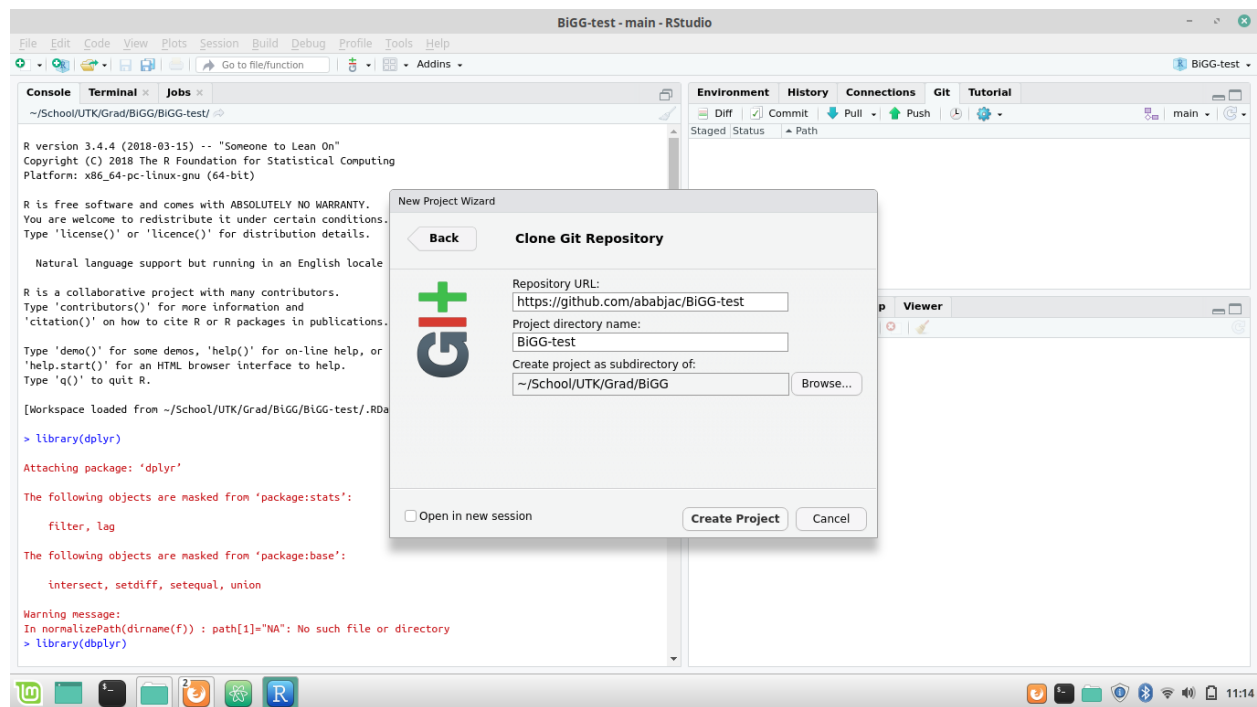


Step 7: In the black GitHub Scroll bar click on the '+' icon and create a new repository. For right now we are just creating a test repo so feel free to make it public/private and set your options as you would like.



Step 8: Once your repo is created, copy the link to your repo (i.e. mine is <https://github.com/ababjac/BiGG-test>) and navigate back to RStudio.

Step 9: In RStudio select **File > New Project**. From each pop-up menu select "Version Control", then "Git". You should see something like the screenshot below. Paste in the URL for your repo and select whatever subdirectory that you have configured your paths for.



Once you hit “Create Project” you should be all set up!

Steps for Updating your Repository -- Pulling/Pushing from GitHub

After your repo is set up you can begin working in it. At some point you are going to want to add these changes up to your repository. As background, Git uses the following terminology:

- Pull -- Updating our local files with what is stored in the global repository
- Push -- Updating the global repository with our local changes

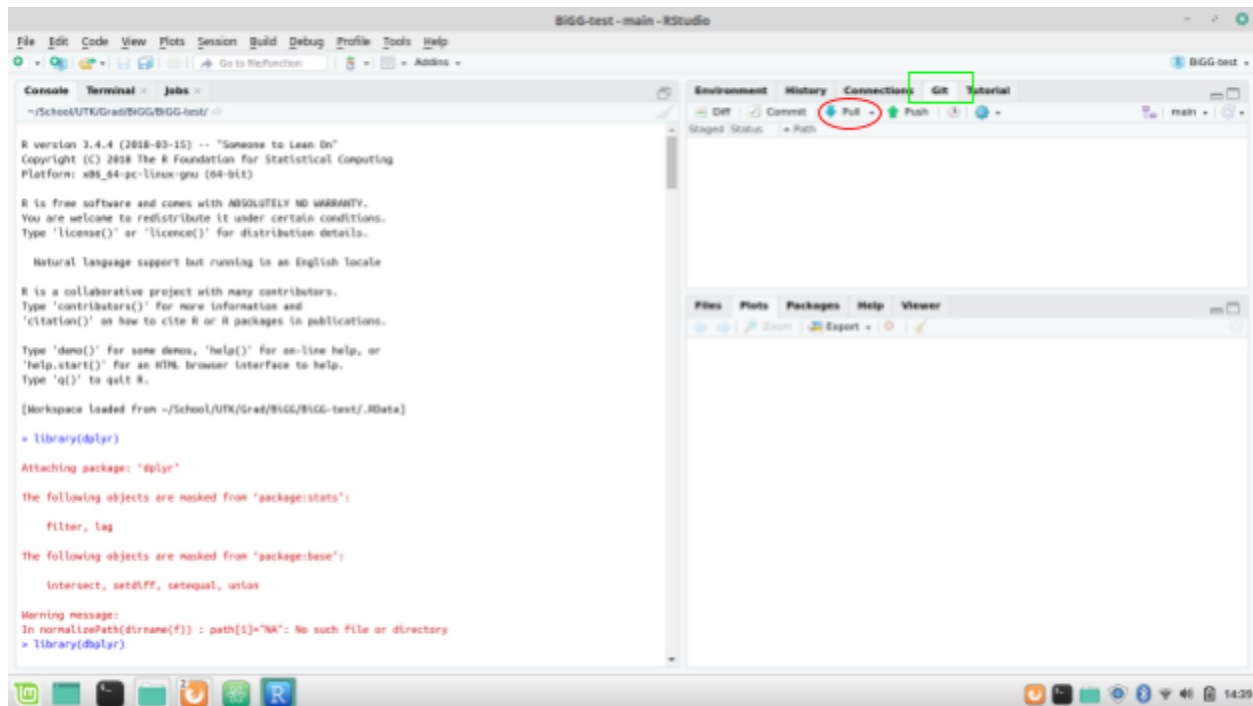
We will not go into too much detail about Git but if you would like to know more here is a helpful link for further reading:

<https://medium.com/@mehulgala77/github-fundamentals-clone-fetch-push-pull-fork-16d79bb16b79>.

I recommend you get in the habit of “pulling” before “pushing” in order to avoid conflicts!

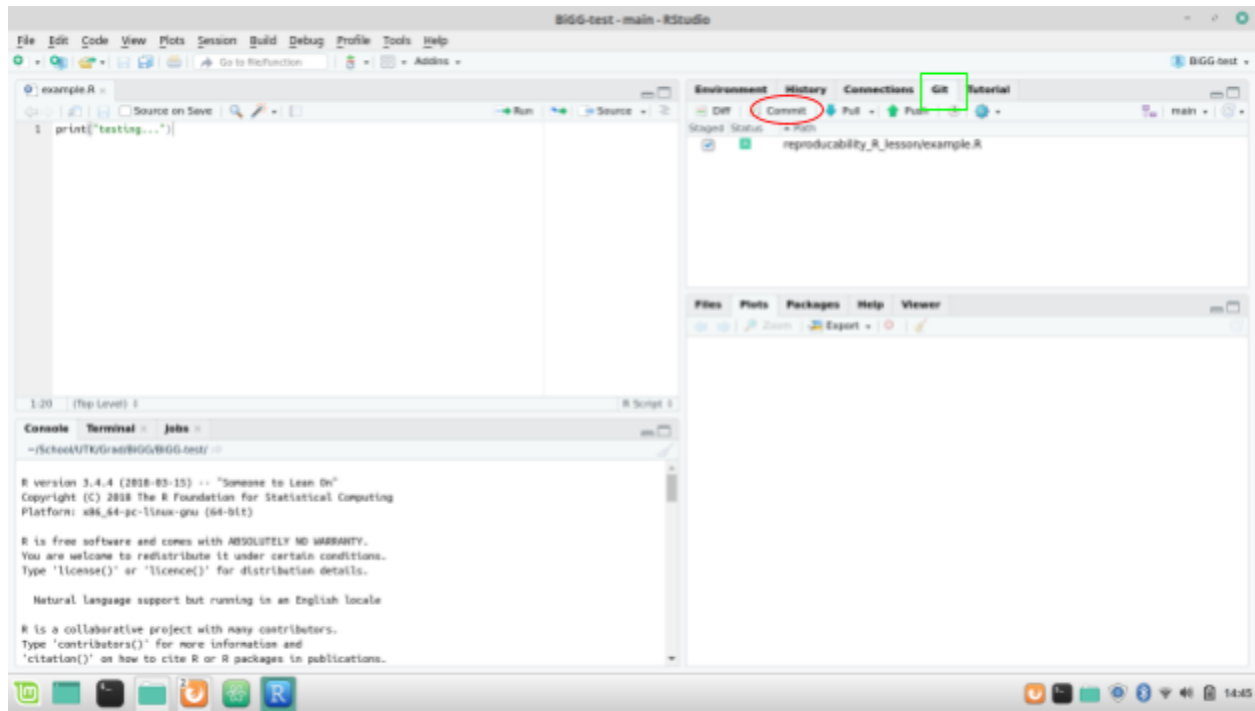
Pulling:

Step 1: Navigate to the “Git” tab in RStudio and simply click the “Pull” button. Enter your username/password (or if you have SSH auth configured then it may give a different prompt) and it should pull down your code.

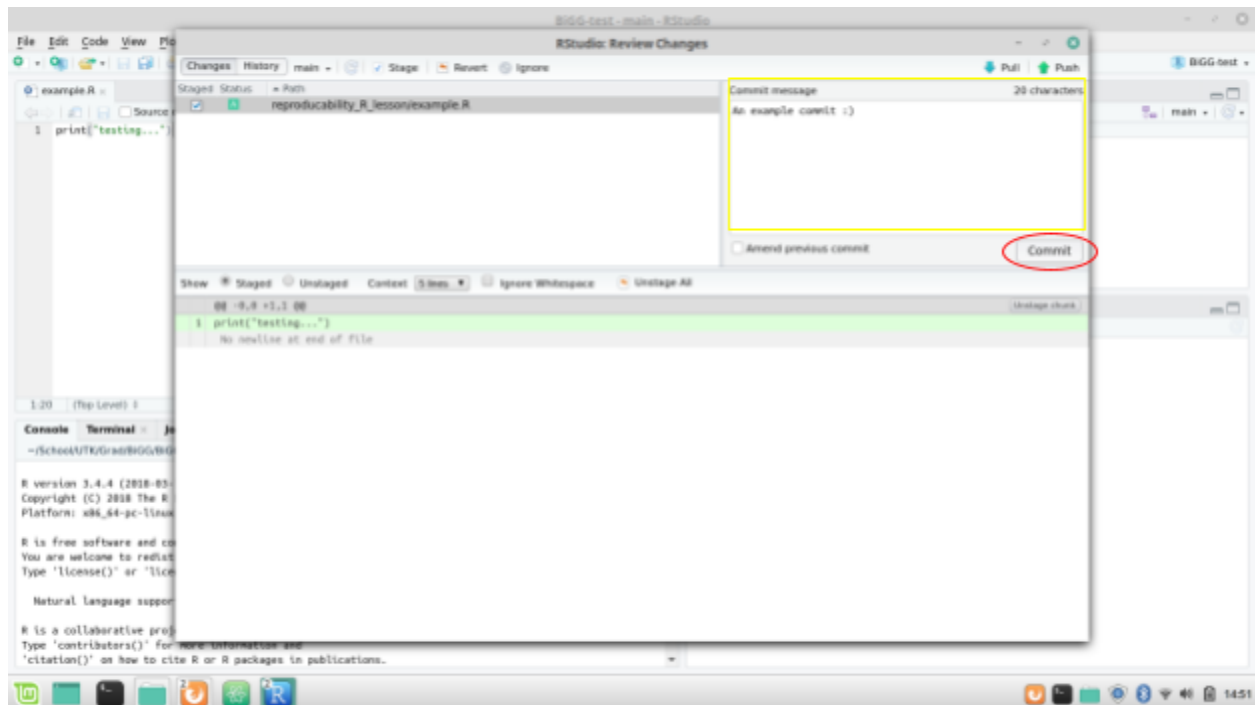


Pushing:

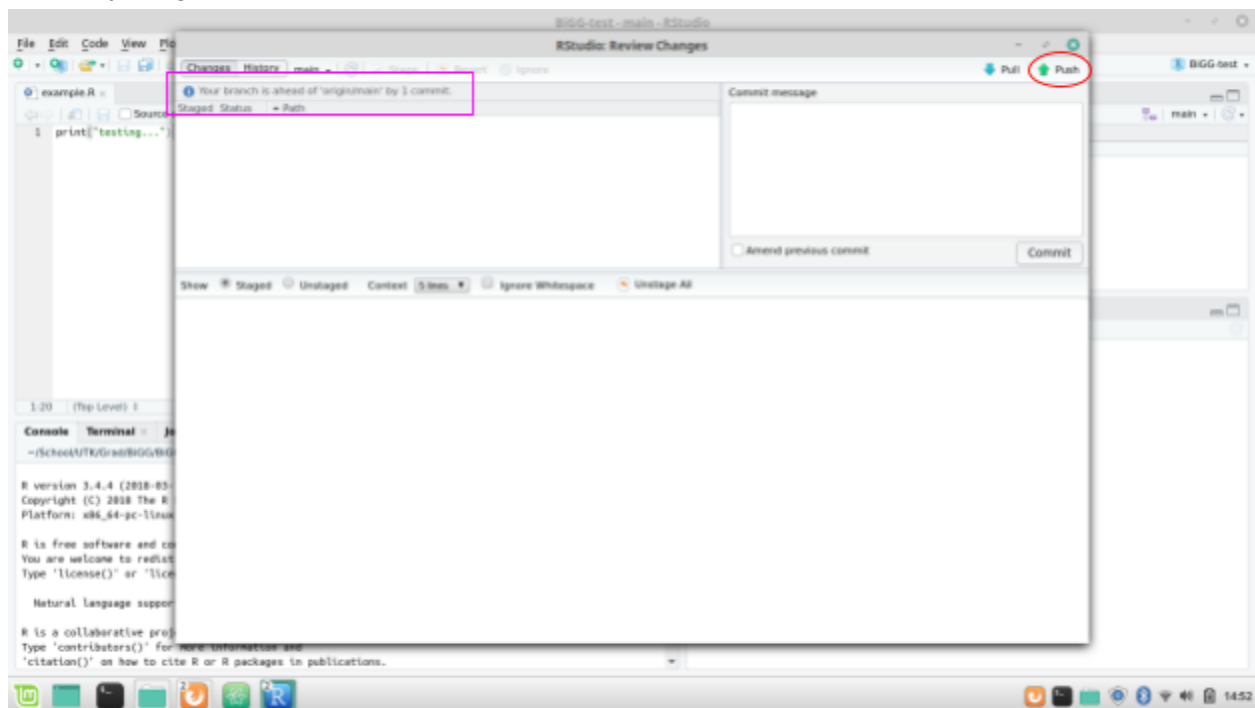
Step 1: Navigate to the “Git” tab in RStudio and select the checkboxes for the files you would like to stage. Click the “Commit” box which will open a new window.



Step 2: Add a commit message and then hit the “Commit” button. This will pop up a new window which you can just close out of.



Step 3: You should now see that your branch is “ahead of main” and so we need to push our changes. Click the “Push” button, enter your username/password and you should complete the push to your global repo.



Adding/Switching between Repositories

In order to add a new repo, you can follow the steps above starting from where we created a new repo in GitHub.

If you want to switch between multiple repositories, you can use the pulldown menu in the far right-top corner of the screen.

