

Using GitHub in RStudio Cloud

To get your team's lab assignment in GitHub into the RStudio Cloud you need to carry out the following steps:

1. When you log-in to GitHub, your dashboard will appear, click on the drop-down bar on the left hand side to navigate to the course's workspace (it should say Stat-511-section-###)
2. Click on the course page
3. Click "View Organization"
4. This brings you to the course workspace
5. Your repositories (lab assignments) will appear in the Repositories tab
6. Click on your team's Lab 2 repository
7. This brings you to the workspace for your team's assignment
8. Click on the green "Clone or Download" button
9. Click the clipboard icon or copy the https link

Now, in RStudio Cloud, you need to carry out the following steps:

1. Log-in and navigate to your course's workspace (using the upper left hand drop down menu)
2. Once you are in in the course workspace, click on the blue arrow next to the "New Project" button
3. Click on "New Project from Git Repo"
4. Paste the link you copied from GitHub into the box
5. Check the box that says "Add packages from the base project"
6. Click on the blue "OK" button
7. Enter in your GitHub username and password

Important: If you get these wrong it won't open your GitHub assignment!

You should now be in your team's GitHub assignment in the RStudio Cloud! Now you can interact with the assignment the way we did for Lab 1, with a few exceptions.

- When you save your document, that is only a **local** save and does not update your project to GitHub.
- To update your project on GitHub you need to (1) stage your changes, (2) commit those changes, and (3) push your changes up to GitHub.

Add your group's names to the top of the document and click save.

Click on the Git tab in the upper right hand corner. You should see that the lab2.Rmd file appears, since it was modified. To push this change to GitHub, we will carry out the following steps:

1. Declare to RStudio who you are by running the code below (changing my information to yours):

```
# To commit, push, and pull your changes to GitHub

# First -- load up the usethis package
library(usethis)

# Second -- specify your GitHub username and email address
use_git_config(user.name = "atheobold", user.email = "allisontheobold@montana.edu")

# Third -- check by running a git situation-report
git_sitrep()
```

2. Now click to check the box next to the Lab 2/lab2.Rmd
 3. Click the commit button
 4. A box will open to show you the changes in your document
 5. Type a **explanatory** commit message in the commit box (e.g. changed group member names)
 6. Click the commit button
 7. A box will appear saying how much you added/deleted to the document, click close
 8. Now click the push button
 9. Enter in your GitHub username and password
 10. Once it has pushed your changes the box will say "HEAD -> master"
- You've done it! Now continue making **small changes**, committing them, and pushing them up to GitHub!