Git and Github

We will use git and GitHub extensively in this class, so it is crucial that you learn how it works. Git is useful not only for making your life easier, but also for maintaining transparency and promoting reproducible research.

Week 1 Forum Post

The prompt for this week is:

How has reproducibility and version control affected your work (professionally or academically)? Is there a time you that you wish you had used better practices for reproducibility and version control?

Please write your answer to this in the Week 1 Forum and also post a question, comment, or response.

Assignment 1: Part 1

Let's practice using git and GitHub.

1) First, make sure you have a GitHub account. You can sign up on https://github.com.

2) Next, make sure you have git installed on your computer. If you wish, you may use the git functionality on RStudio (or another GUI). Make sure you complete the initial configuration setup with your username and email.

3) In pairs or groups of 3, create a remote repository on GitHub that is linked to a repository on each person's local computer. Name the repo using the following format: `lastname1-lastname2-a1`.

4) Then, create a README file, making sure to title it as Assignment 1 and to add the group member names.

5) Practice making local changes and pushing to the remote repo on GitHub. Make sure your partner or other group members are then able to pull from the remote repo to get the latest updates and make changes themselves.

Make sure you write informative commit messages as you do this. This will be crucial in checking how much work each person did in their assignments and projects.