Introduction to Git and Github

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Install Git & Create a GitHub account

The first two things you'll want to do are install git and create a free GitHub account.

1. Follow the instructions Installing Git to install git (if it's not already installed)

2. Once you've done that, create a GitHub account here Github. Accounts are free for public repositories, but there's a charge for private repositories.

Try Git Commands

If you would like to try out a few git commands and learn to use it online in a safe place before you try it on your own computer, follow the tutorial at this link

Git Cheat Sheet

For learning and to have a reference to commonly used Git and Github commands, please visit and store the pdf at the site [here] (https://education.github.com/git-cheat-sheet-education.pdf)

Detailed Tutorial

For a nice introduction to frequently used command line usage and a detailed tutorial on the git work flow and how we usually interact with github, the notes put together here are a good reference. It would be a good idea to replicate the workflow on your local machine.

Git History and Integration with R

The presentation made available here can help you get a good understanding of: - Why is Version Control necessary - What are Repositories - What is Git and why it is so useful - What is Github and how it works with Git - How R and RStudio integrates with Git and Github

Git Workflow & Collaboration

To get an understanding of the git workflow and the various ways in which you can collaborate with others via git, I continue to find this online tutorial very useful

If you are interested in a presentation about the typical workflow, you can find it here

Video Tutorials

If you prefer a video tutorial to understand Git the following two tutorials maybe of interest to you

- Git Tutorial for Beginners: Command-Line Fundamentals

- [How to Get Started with Git and Github • The Basics of Git and GitHub] (https://www.youtube.com/watch?v=rWhnsx4PDQU)