

Intro to Git and GitHub

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Session Outline

1. Download and Install Git help, creating github account help (first 15 minutes)
2. Introductions (15 minutes)
3. Git Slides (adapted from U of T coders) (20 minutes)
 - ▶ Version control (3 slides)
 - ▶ describe git and github
 - ▶ why to use git
 - ▶ describe version control with git
 - ▶ describe git
4. Edit a text file and git it. Work flow:
5. git configure

```
#This step you only do it once (first time using git on your machine)  
git config --global user.name "tarahenechowitz"  
#your github username, check your github profile  
git config --global user.email "tara.henechowitz@mail.utoronto.ca"  
#also recommend using your github account email
```

PART II GitHub

1. Create a repository on github that matches the name of your repository on your computer

- ▶ take our repository from our computer and “push it” to github so it can be store on their server in addition to or instead of our computer
- ▶ Why would we want to do this?
 1. storage (privately or publicly)
 2. Public sharing of data (open science)
 3. now that its on github your team members or even general public can collaborate with you on your work and you can log the changes of multiple users!

To push our repository to github, we need to first set up the connection between the repository on our computer with the repository on github

#go to the repository that we just made and there is the g
#git remote add origin https://github.com/tarahenechowic

Part 4 How to use git with Rstudio

Social aspect of Github

starring following