# Command Line Interface (CLI) Fun

**Justin Post** 

### Command Line?

- Command line is a text based interface for interacting with the computer
  - On Windows the default is the command prompt
  - On a Mac/Linux, Terminal, shell, or bash
- Command isn't great! After installing Git for Windows you now have a bash terminal
  - Windows: Type bash into the start menu
  - Mac: Search for Terminal in Launchpad

## Why Bother with the CLI?

- Allows for improved efficiency + repeatable processes
- Batch processing of files
- Automation of tasks



### **Basic Command Line**

#### Lots of commands you could learn:

- echo send output to the shell
- 1s list files
- cd or change directory (tab completion!)
- touch filename.ext or create a file
- mkdir or make directory
- my or move file
- cp or copy file
- rm deletes files
- start to open a file

Commands usually allow for flags to customize the call

# git from the CLI

Lots of useful git commands that are faster than using GUIs

- git clone
- git pull
- git status
- git add
- git commit
- git push

### **Quick Activity**

- Create an R script and submit it in batch mode
  - Adding Rscript to the path may be required
- Lastly, there are lots of keyboard shortcuts to learn to be really good at the CLI!