Command Line Interface (CLI) Fun

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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

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Why Bother with the CLI?

- Allows for improved efficiency + repeatable processes

- Batch processing of files

- Automation of tasks

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Basic Command Line

Lots of commands you could learn:

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

Commands usually allow for flags to customize the call

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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`

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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!

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