R Session #2

Cognition and Emotion Group

Last Session:

- Accessed files from GitHub
  - Had trouble with internet connection
  - Some trouble with unzipping files
- Installed R and R-Studio
- Tried to open an excel file
  - Struggled a bit with file directories

This Week

- Try again, try better
  - Have install files on USB
  - Have data/slides on USB
  - Go into file directories in a bit more detail
- Boring but important to be able to open files comfortably

Step 1: Download and Extract Resources

- Go here: https://github.com/angnguyen/ce_group
- 'Clone or Download' > 'Download ZIP' > save in 'Downloads' folder
  - .zip files are files that are compressed to save space
  - Need to extract contents from .zip into another place (e.g. Desktop) before using
  - Technically you can use files inside without unzipping – not a good idea, gets messy real fast.
- Downloads folder > Right-click 'ce_group-master.zip' > 'Extract all'
- Click 'Browse' > Click 'Desktop' on the left side thing > 'Extract'
- Should end up with folder called 'ce_group-master' on desktop

Step 2: Open R-Studio and Create Script

- Double-click R-studio icon
- To create script
  - File > New File > R Script

- Blank script should appear on top left quadrant – we type our code in here

Opening Excel Files

- Load library
  - library(openxlsx)
- Open file using code
  - variable name <- openxlsx("file directory")
- File directory is where your file lives
  - All files exist in your hard drive, and they are located in folders, within folders
  - The directory tells you which drive your file is in, and the sequence of folders you have to go through to get to the file.
  - Starts with drive "C:\" followed by folder names separated by "\" and it ends with the file's name and the file extension (e.g. '.docx', '.xlsx' etc.)

Finding file directory in windows

- Find file through windows explorer

- Select file, click 'copy path' on home tab
  - Or click blank spot on navigation bar and copy directory of folder
    - Doesn't have filename+extension so you'll need to remember to add that

- Put directory in quotes
  - variable name <- openxlsx("file directory")

- Remember to change '\' into '/'

- Make sure you have the correct address – otherwise it won't run

Finding file directory on mac

- Right click file > Get info > Highlight 'where' section > right click and copy > paste into R

Run code and inspect data

- <An: go to last sessions slides>