



COGS 108 – DATA SCIENCE IN PRACTICE

(DR. BRAD VOYTEK)

ENLIN WEI

SECTIONS A01 & A04

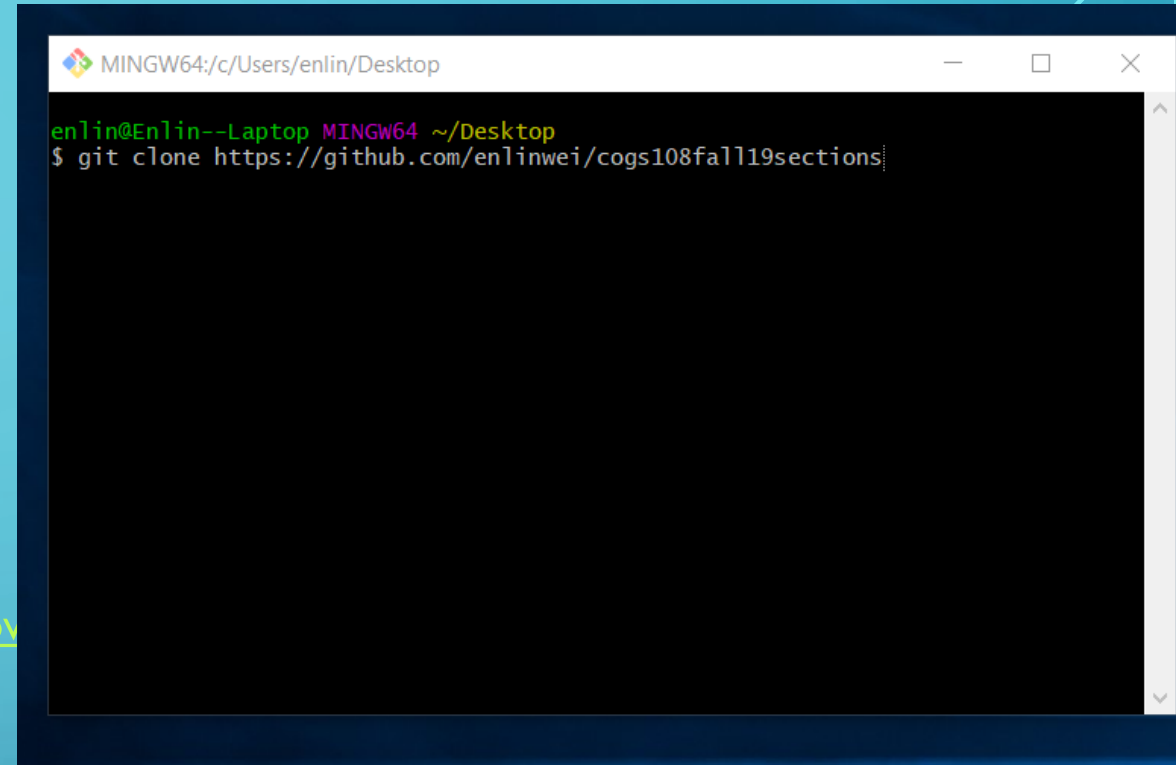
(MONDAYS & FRIDAYS 2PM-3PM)

OH FRIDAYS 12-2PM @ PC ROOM 4

HOW TO GITHUB



- Get git
 - Mac – already installed
 - Windows – download at <https://gitforwindows.org>
- Clone
 - Clone materials for section @ <https://github.com/enlinwei/cogs108fall19sections.git>
 - Command: “git clone <https://github.com/enlinwei/cogs108fall19sections.git>”

A screenshot of a Windows terminal window titled 'MINGW64:/c/Users/enlin/Desktop'. The prompt is 'enlin@Enlin--Laptop MINGW64 ~/Desktop'. The command entered is '\$ git clone https://github.com/enlinwei/cogs108fall19sections.git'. The terminal has a black background with green and yellow text.

```
MINGW64:/c/Users/enlin/Desktop
enlin@Enlin--Laptop MINGW64 ~/Desktop
$ git clone https://github.com/enlinwei/cogs108fall19sections.git
```

HOW TO GITHUB

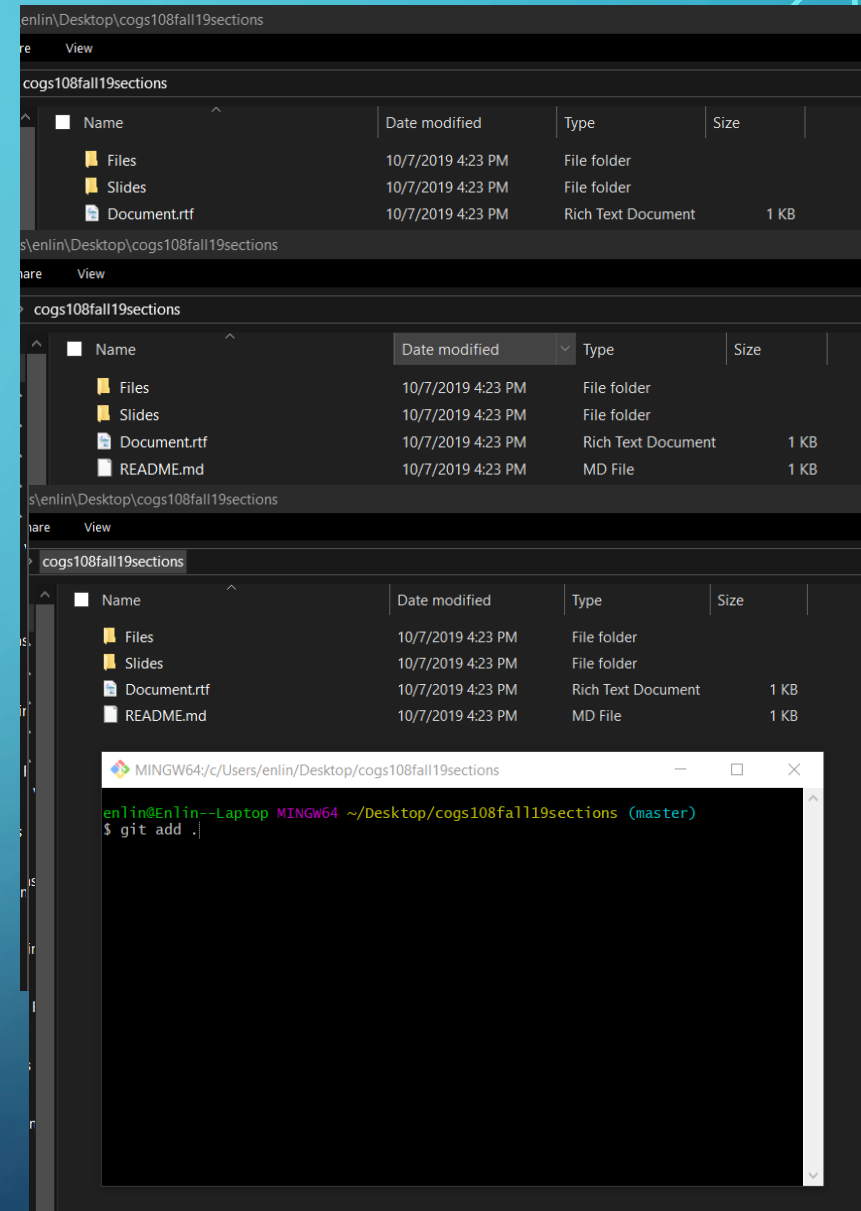


- Pull

- ALWAYS pull to get newest updates to repo before editing!
- Command: “git pull” (after going to correct directory in git bash)

- Add

- Tells git you want to add new changes
- Command: “git add name_of_file.txt”
- If you want to add all the changes at once, command: “git add .” (note period at end, it means all changes)



HOW TO GITHUB



- Commit
 - Tells git that you're ready to commit the changes you made in adding
 - Command: "git commit -m "your message here" "
- Push
 - Makes actual changes on Github
 - Command: "git push"

The image shows a Windows File Explorer window and a terminal window. The File Explorer window displays the contents of a folder named 'cogs108fall19sections', which includes 'Files', 'Slides', 'Document.rtf', and 'README.md'. The terminal window shows the execution of git commands: 'git add .', 'git commit -m "add test file"', and 'git push'. The output of these commands is visible in the terminal, showing the creation of a new commit and its push to the remote repository.

```
enlin@enlin--Laptop MINGW64 ~/OneDrive/UCSD/BS-MS Program/Courses/Fall 2019/[TA] COGS108 - Voytek/cogs108fall19sections (master)
$ git add .
$ git commit -m "add test file"
[master 15fc3a9] add test file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Document.rtf

enlin@enlin--Laptop MINGW64 ~/OneDrive/UCSD/BS-MS Program/Courses/Fall 2019/[TA] COGS108 - Voytek/cogs108fall19sections (master)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 508 bytes | 101.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/enlinwei/cogs108fall19sections.git
 aed756c..15fc3a9 master -> master

enlin@enlin--Laptop MINGW64 ~/OneDrive/UCSD/BS-MS Program/Courses/Fall 2019/[TA] COGS108 - Voytek/cogs108fall19sections (master)
$
```

PYTHON BOOTCAMP



- See “Files” folder
- You can also find Python practice in “02_python.ipynb” file in the “Section_Workbooks” repo on the COGS108 Github