

Kickoff

Peter Ganong and Maggie Shi

October 6, 2007

Pulling this week's material – main branch

This is the repository for PPHA 30538: Data and Programming in Python, fall 2024.

☆ 0 stars 🍴 133 forks 👁 0 watching 🌿 2 Branches 🏷 0 Tags 📈 Activity

🌐 Public repository · Forked from [uchicago-harris-dap/ppha30538_fall2024](#)

🌿 main ▾

🌿

📁

Go to file

+

<> Code ▾

This branch is **14 commits behind** `uchicago-harris-dap/ppha30538_fall2024:main`.

🌿 Contribute ▾

🔄 Sync fork ▾



This branch is out-of-date

Update branch to keep this branch up-to-date by syncing 14 commits from the upstream repository.

[Learn more about syncing a fork](#)

Compare

Update branch

052c4e2 · 4 days ago 🕒

yp Thursday kickoff slides 4 days ago

ed html without solutions for l... 4 days ago

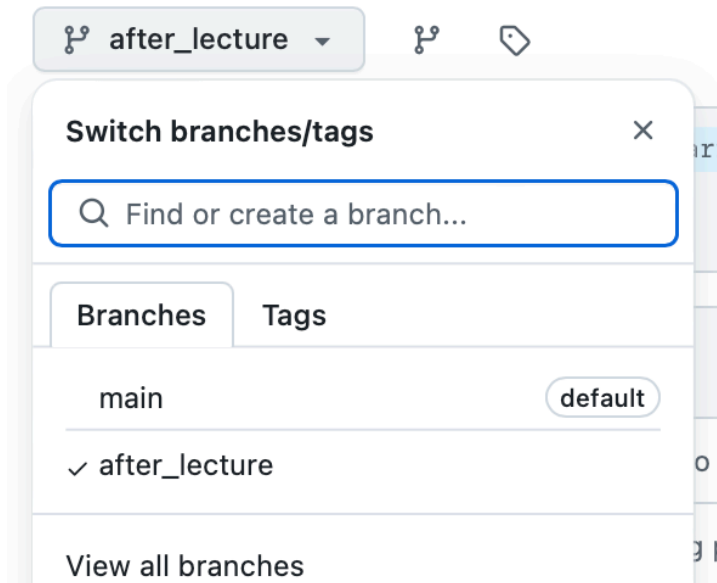
ate minilesson to include pyth... 4 days ago

ating ps1.pdf 4 days ago

gitignore 2 weeks ago

ate README.md last week

Pulling this week's material – after_lecture branch



MUD cards: about you professional (Professor Ganong)

- ▶ I loved reading these cards this weekend.
- ▶ Professional
 - ▶ Three current or former teachers in the class
 - ▶ Sustainable public transport system
 - ▶ Chinese port acquisitions
 - ▶ “PC game boy”
 - ▶ A huge number of you have internships or research projects where you are already using DAP skills – awesome! Excited to hear more about these
- ▶ “Observed the same things when I worked at the Mayor’s Office this summer in Chicago”

MUD cards: about you personal (Professor Ganong)

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- ▶ Semi-professional Chinese dancer
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- ▶ Once got a concussion from getting hit in the head by a fish
- ▶ One of you claims to have lived here for a winter and still says that they love the weather in Chicago

MUD cards: about you! (Professor Shi)

- ▶ Really fun to get to know a little more about you through MUD cards
- ▶ Diversity of professional backgrounds! Some examples of note: geopolitical risk management, AmeriCorps, film industry background, actor, criminal justice, want to do PhDs
- ▶ Diversity of interests! Some examples of note: playing tuba, owner of 2 pet bunnies, “legendarily bad at darts,” knows 5 languages, running a marathon later this month, a short story (mystery and fantasy) author, favorite foods include green curry and boba tea

Week 1 Recap

- ▶ Thank you all for your feedback on Ed - we are glad that you feel comfortable voicing concerns about the class!
 - ▶ **Realistic over perfect and clean:** thank you for your patience as we converge on submission processes
 - ▶ If dataset is very large: develop your code on a subset first using `df = pd.read_csv('your_file.csv', nrows = 1000)`
- ▶ **This class is hard.**
 - ▶ Learning to be an analyst is hard! And as an analyst, you will be asked to do things you were never taught.
 - ▶ Much of what is on problem sets is not covered in lecture – this is by design.
 - ▶ We will try to provide resources to support you. But you should expect to dedicate 10-20 hours a week – likely on the higher end in the first few weeks

Week 1 Recap

- ▶ We introduced three new concepts in the first week: VSCode + Quarto + Altair
 - ▶ The steepest part of the learning curve is likely last week
 - ▶ We will use VSCode and Quarto through the rest of the quarter
 - ▶ And stay with Altair through the end of week 3
- ▶ Getting help:
 - ▶ Help us help you: on Ed or at office hours, describe *in as much detail as possible* what your issue is, what you've tried, and why it seemed to not work. We will discuss in lab how how to create reproducible examples
 - ▶ Leverage your peers: if you notice in lab or from Ed that other students seemed to have gotten past the step at which you are stuck, ask them for help!

Debugging Tips

- ▶ *Highly* recommend copy and pasting your errors into ChatGPT and asking it what is wrong. This should be the first step of your troubleshooting “flowchart.”
 - ▶ Many of our answers to your Ed questions are us just doing this.
- ▶ Insert `print()` statements throughout Python code
- ▶ Places to look for Quarto rendering errors
 - ▶ Terminal output
 - ▶ In log file: use `quarto preview my-file.qmd --debug` to create `my-file.log`
- ▶ Isolate the error: if a Quarto document fails to compile, comment out sections of the document until you isolate which part is causing the issue
 - ▶ Sometimes commenting out doesn't work – try removing it outright

EdDiscussion Shoutouts

- ▶ Lively discussions on Ed on problem set, troubleshooting, etc. - this is great!
- ▶ Reminder: up to 2% extra credit for answering questions or posting useful info recommendation on reading CSV in VScode #42



Samar Negahdar
21 hours ago in [General](#)



PIN



STAR



WATCH

121
VIEWS



I had a personal recom for those who are checking the csv from vscode console. go to extensions> look for "rainbow csv" and install it. it will make the csv more readable, giving different colors to values which are separated by comma!

[Comment](#) [Edit](#) [Delete](#) [Endorse](#) ...

Shortcut for adding code chunks #34



Kishika Mahajan
Yesterday in [General](#)



PIN



STAR



WATCH

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VIEWS



Hey everyone!

10

Because this came up in the lab, the shortcut to add code chunks in VS Code is cmd+shift+I (for mac) and ctrl+shift+I (for windows).

[Comment](#) [Edit](#) [Delete](#) [Endorse](#) ...

Other Admin Announcements

- ▶ Lab quizzes are based directly on lecture
 - ▶ Pay attention to lecture and engage with in-class exercises
 - ▶ Know how to read and interpret Python functions relevant to lecture
 - ▶ You won't be asked to memorize syntax, but rather look at a chunk of code and explain what it does or find a bug in it
- ▶ Final project parameters will be released some time this week
- ▶ Problem set 1 solutions are live
- ▶ Problem set 2 is live and due at end of *next* week (Sat Oct 19)
 - ▶ It is on visualization and altair
 - ▶ Give yourself time to do it – longer than PS1