Lecture 4: numpy, Git/GitHub

LING 1340/2340: Data Science for Linguists

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Objectives

- ▶ GitHub class organization
 - Housekeeping our repos and forks
- To-do2 review: study notes in JNB
- Python's numpy library

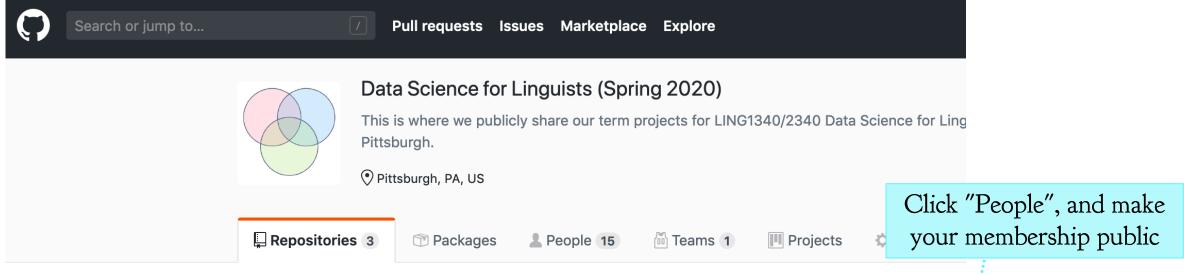
- ▶ Tools:
 - Git and GitHub
 - Jupyter Notebook

Bits and things

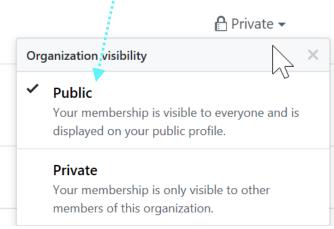
- ▶ Office hours working?
 - ◆ Cassie: Th -> F?
 - John: T -> M?
- > Syllabus review:
 - Final project
 - Todos
- Jupyter Notebook "style" tips

GitHub Class Organization

https://github.com/Data-Science-for-Linguists-2020



- So we can:
 - have everyone in one spot.
 - have all class materials in one spot.
 - have everyone's term project in one spot.
 - share *private* repos as a group.



Shall we try re-forking?

▶ On GitHub

- Delete your forks: HW1-Repo and Class-Exercise-Repo.
- Head to our GitHub class organization. Fork the two repositories.
- On your laptop
 - Your local repos' remote setting (git remote -v):
 - The "origin" URL is still the same.
 - The "upstream" URL can be updated:
 - In HW1-Repo/ folder, execute:

git remote set-url upstream https://github.com/Data-Science-for-Linguists-2020/HW1-Repo.git

• In Class-Exercise-Repo/ folder, execute:

git remote set-url upstream https://github.com/Data-Science-for-Linguists-2020/Class-Exercise-Repo.git

Back to Class-Exercise-Repo

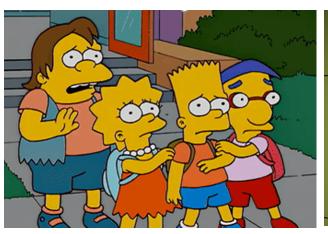
- https://github.com/Data-Science-for-Linguists-2020/Class-Exercise-Repo
- ▶ To-do2
 - Who has the best study notes?

numpy practice with the Simpsons



- ▶ In Class-Exercise-Repo, activity1/ folder:
 - You will find numpy_simpsons_BLANK.ipynb
 - Make a copy for yourself as numpy_simpsons_YOURNAME.ipynb:
 - cp xyz_BLANK.ipynb xyz_jevon.ipynb ____
 - Let's get to work!

cp file1 file2 makes a copy of file1 as file2.





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Wrapping up

- To-do 3: due on Tuesday.
 - Study pandas, make your own JNB.
 - Try two spreadsheet files, one your choice. (Make it small!)

Start thinking about project ideas