Lecture 5: pandas with pop music

LING 1340/2340: Data Science for Linguists Na-Rae Han

Objectives

Housekeeping

- GitHub: Resolving conflicts with pull requests
- Using DataCamp courses, downloading csv files
- pandas library hands-on practice

DataCamp: download exercise .csv files

- https://learn.datacamp.com/courses/intermediate-python-for-data-science
- All .csv data files used in DataCamp exercise can be downloaded!
- Posted on course dashboard. Scroll down!
- You can download them and replicate exercises in your own Jupyter Notebook.

4 hours ▷ 18 Videos <> 87 Exercises ᡥ 577,851 Pa	rticipants 😫 7,400 XP	Download datasets and work locally!
Description Description Loops	6% •	PREREQUISITES
There are several techniques you can use to repo code. While loops are like repeated if statements all kinds of data structures. Learn all about them	s, the for loop iterates over	Introduction to Pythor DATASETS

pandas practice

- ▶ 50 Years of Pop Music
 - https://www.kaylinpavlik.com/50-years-of-pop-music/
 - You tried out the CSV file 'billboard_lyrics_1964-2015.csv'

- In Class-Exercise-Repo, activity2/ folder:
 - The CSV data file is already in the directory.
 - You will find pop_music_BLANK.ipynb
 - Copy it as pop_music_YOURNAME.ipynb and work on it.
 - ← You are welcome to commit your version.

cp file1 file2 makes a copy of file1 as file2.







Homework 2: Process the ETS Corpus

- https://naraehan.github.io/Data-Science-for-Linguists-2022/hw2
- Corpus distributed via a private GitHub repo "Licensed-Data-Sets"
 - Clone directly to your laptop: no need to fork
- Submission via your own personal & private repo (shared with Na-Rae & the TAs)

Wrapping up

To-do #4

- Continuation of pandas study notes
- Try a classmate's CSV
- Next class:
 - Pop music lyrics, round 2
- Coming up: Project ideas
 - Due next Tuesday.
 - Not sure? Come chat with me and the TAs
- Coming up: HW2 Process ETS Corpus
 - Due next Thursday.
 - This one is much bigger than HW1. Start soon!