In class work + brainstorming

Agenda

Jupyter notebooks

https://code.visualstudio.com/docs/datascience/jupyter-notebooks

Virtual Environments

Opening + working with files CSV version

▶ Can open them from csv using our regular 'with open'

▶ Can use csv reader – see today's example for why ☺

```python
with open('file.csv', newline='') as csvfile:
    data = csv.reader(csvfile)
    names_csv = next(data)
    for row in data:
        data_csv.append(row)
```

https://docs.python.org/3/library/csv.html

Tasks

track_name,track_add_date,track_add_time,multiple_artists_bool,name_of_artists,album_name,album_release_date_precision,number_of_tracks_in_album,position_in_playlist,track_duration_ms,track_popularity,track_explicit,images_path,data_collection_date

Flowers,3/31/23,10:02:16,FALSE,['Miley Cyrus'],Endless Summer Vacation,3/10/23,day,13,1,200600,87,FALSE,./images/flowers_miley_cyrus.jpg,3/31/23

Kill Bill,3/31/23,10:02:16,FALSE,['SZA'],SOS,12/8/22,day,23,2,153946,94,FALSE,./images/kill_bill_sza.jpg,3/31/23

- Upload the data

- # Task 1: dictionary to find how many times each song is in playlist

- # Task 2: dictionary providing a list AND COUNT of songs an artist has

TASK: choose your difficulty level!

- No hints: GO! Data file here
- Some hints:
- More hints: