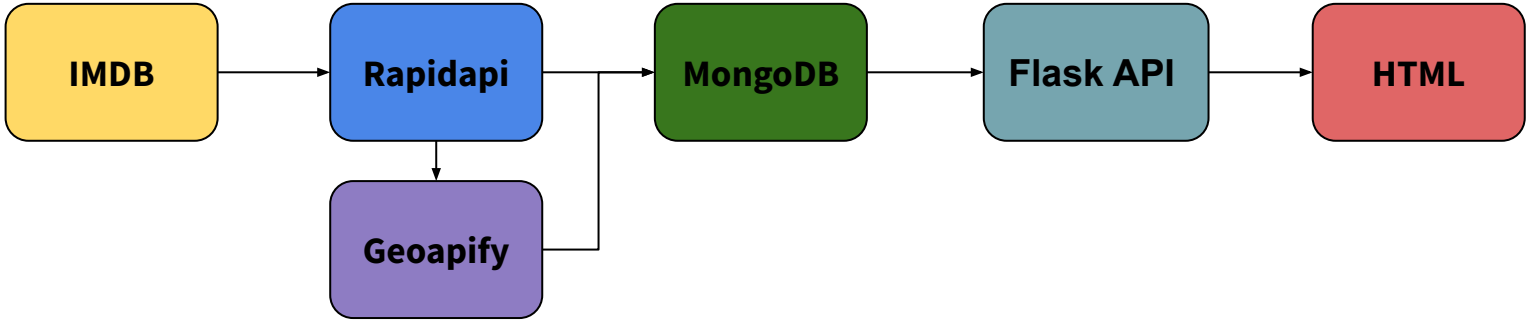
CINESIGHT

The Purpose

CineSight is an information aggregation dashboard that showcases unique traits that movies have (namely location and soundtrack) so that users may look into those against their demographic and aggregate ratings.

We want our users to be able to search up a film and quickly pull the information of where the film was shot, what tracks ran in the film, and the general thoughts on the film (by demographic). All this information should be easily accessible to the user from a by-movie dashboard.

Data and Delivery



Setup and running CineSight:

In our ReadMe.MD, we show users how to quickly get started with using CineSight. Here are the steps that need to be followed:

1. Users should clone the Git repository to their preferred location.
2. Users should run the ‘load_databaset.ipynb’ notebook with a local connection to MongoDB setup.
3. Users should run the ‘app.py’ python file, and follow the link from the terminal output to access our dashboard.

Running database setup:

The database setup depends on the JSON, OS, Pandas, and Pymongo libraries. Additionally, a local connection to port 27017 must be accessible.

When run with proper setup, users will receive the following success message:

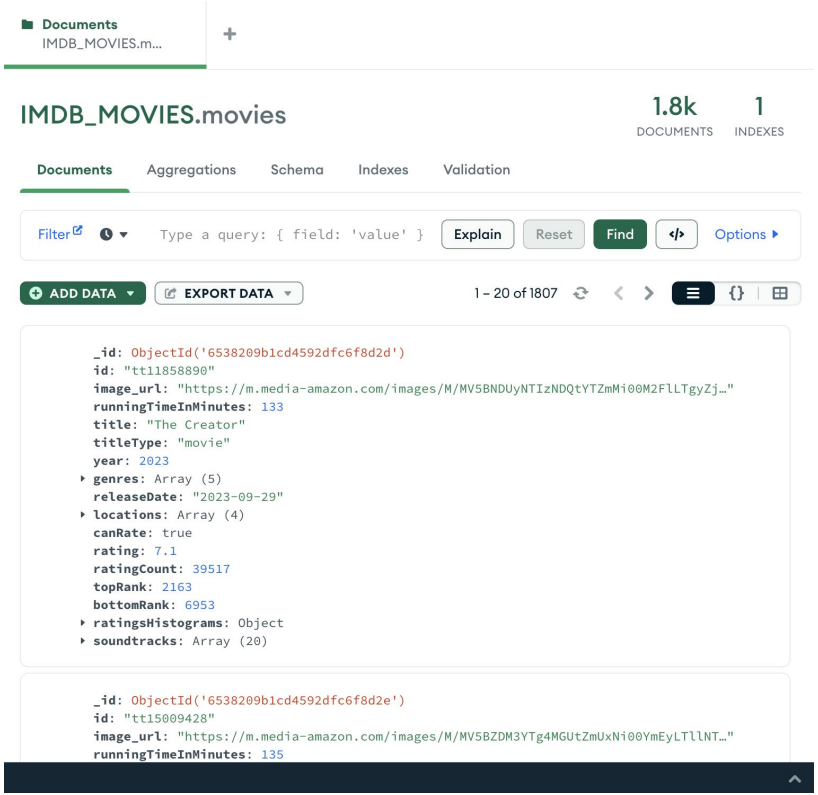
```python
# MongoDB connection settings
client = MongoClient('localhost', 27017)
db = client['IMDB_MOVIES']
collection = db['movies']

# Path to the JSON file with combined data
combined_data_file_path = 'Resources/IMDB_DATA_COMPLETE.JSON'

# Load the combined data from the JSON file
with open(combined_data_file_path, 'r') as combined_data_file:
    combined_data = json.load(combined_data_file)

# Insert the data into the collection
inserted_ids = collection.insert_many(combined_data)

# Print
print(f'Movie data loaded into MongoDB collection {collection.name}')
```

[9] Python

```
Movie data loaded into MongoDB collection movies
```

Database after running ‘load_databaset.ipynb’

Here is what a user’s database would look like after running the setup notebook to completion:



Fields present in database:

The following fields are present in each object in the database:

```
_id: ObjectId('6538209b1cd4592dfc6f8d30'
id: "tt9224104"
image_url: "https://m.media-amazon.com/i
runningTimeInMinutes: 116
title: "Meg 2: The Trench"
titleType: "movie"
year: 2023
▸ genres: Array (5)
releaseDate: "2023-08-04"
▸ locations: Array (5)
canRate: true
rating: 5.1
ratingCount: 57114
topRank: 5791
bottomRank: 527
▸ ratingsHistograms: Object
▸ soundtracks: Array (6)
```

Running ‘app.py’

Run app.py in a terminal with python and the following libraries installed:

- Flask
- Pymongo
- bson.objectID
- json
- Flask_CORS

After doing so, follow the following selected link as it appears in your terminal:

```
(base) Alecs-Air:IMDB_Interactive_Dashboard amdruggan$ python app.py
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with watchdog (fsevents)
 * Debugger is active!
 * Debugger PIN: 574-570-706
```

Sample Dashboard and Utility Images

The web app that we created uses the JS API Bootstrap (v5).

CineSight

Select the movie you want to explore

The Creator

More Info

Argylle

More Info

The Equalizer 3

More Info

Meg 2: The Trench

More Info

Mission: Impossible - Dead Reckoning Part One

More Info

Gran Turismo

More Info

Expend4bles

More Info

Jawan

More Info

PAW Patrol: The Mighty Movie

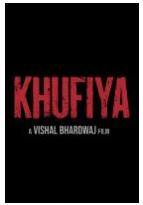
More Info

Blue Beetle

More Info

Teenage Mutant Ninja Turtles: Mutant Mayhem

More Info



Khufiya

More Info

Home API

Everything

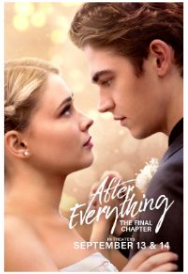
Search

CineSight

Select the movie you want to explore

Everything Everywhere All at Once

More Info



Everything Everywhere All at Once

Release Date: 2022-04-08

Genre(s): Action, Adventure, Comedy, Fantasy, Sci-Fi

IMDB Rating: 7.8

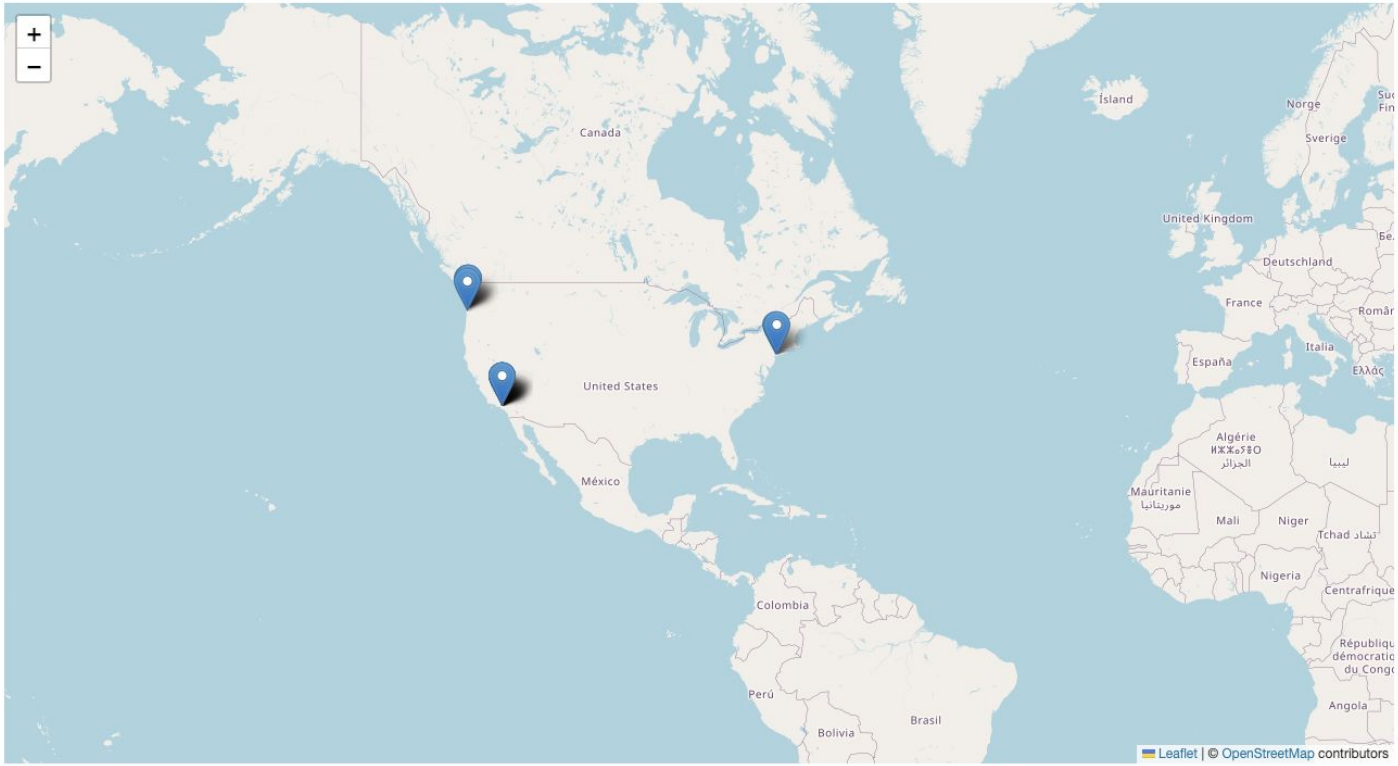
Running Time: 139 minutes

Everything Everywhere All at Once

Use the interactive charts below to explore the dataset

Everything Everywhere All at Once

Filming Locations

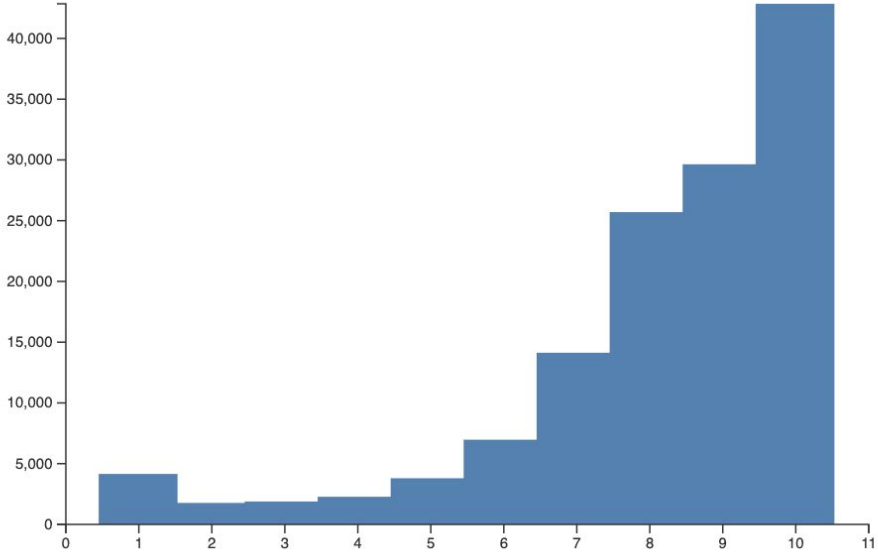


Soundtracks

Title	Artist
Life Can Be So Delicious	Sunita Mani and Aaron Lazar
Stutter Apertures	Ryan Lott Published by Leroy Lott Music administered by Domino US Publishing Company Courtesy of This Is Meru by arrangement with Ghost Town, Inc.
Absolutely (Story of a Girl)	John Hampson (as John Charles Hampson) Published by Round Hill Songs o/b/o Hazelsongs Courtesy of John Hampson
Rainy Day	Susan Christie Published by EMI Blackwood Music Inc. Courtesy of Friendly Fire Licensing
El Corrido De La Gallinita	Apolinar Méndez Published by MANTRAM Courtesy of Friendly Fire Licensing

Ratings

US users



<Demo>