INFO7374 AlgorithmicDigitalMarketing

Yifu Liu: 001083896
Pengfei He: 001426963

Presentation PDF version
Final_Project_Team7.pdf

Presentation Codelab Link
https://codelabs-preview.appspot.com/?file_id=18y0vtt7fbOe6YHVr6QPGWJ5wLjGavVQ1RrZ8rss58oU#0

Proposal Codelab Link
https://codelabs-preview.appspot.com/?file_id=1gUrVXPptgbgPuNotlfZ1tzMTz_QKmcpxuw_vUJMXhlg#0

Heroku Link
https://quiet-reef-82062.herokuapp.com/

Video Link

Our Submission
We implemented the 'Being a Wise Movie Investor App" and creates two version apps:

1 Pure Streamlit
2 Streamlit with FastAPi

The application is deployed on Heroku.

Raw Data
Raw data is too large to be stored in github. Please refer to:

https://drive.google.com/file/d/1mnH9UaaXZ-gP3At0Q2Qus-Gz0EJOqiYx/view?usp=sharing
https://drive.google.com/file/d/19C8m6CwRu9I-eydnTbp4gPCp_eeFMb7t/view?usp=sharing

Processed_data
This folder holds the data generate by the decision tree algorithm. They will be used for the streamlit app.

1 predicted_data.csv
Data for recommendation

2 similar_movie_data.csv
Data for similarity search

Source_code
This folder holds the source code for our app:

1 download_tmdb_data.py
Scraping script (open source)

2 Wise_Movie_Predict.ipynb
Notebook to make predictions

3 wise_investor_pure_streamlit.py
App version one: fully developed by Streamlit

4 wise_investor_streamlit_with_fastAPI.py
App version two: developed by Streamlit and fastAPI

5 fastAPI.py
FastAPI for App version two

5 locustfile.py
Load testing

Screenshot
This folder holds the screenshot for our app:

1 scraping_TMDB
Screenshot of scraping

2 numeralize_column
Numeralize columns

3 decision_tree
Decision tree algorithm

4 screenshot_app1
Default layout for app

5 screenshot_app2
App displays recommendations

6 fastAPI
FastAPI

7 load_test_on_fastAPI
Load test on fastAPI