Movie Xplorer

Timeline

Why are we here?

What can we say about the data using visualisation?

The application

INTRODUCTION	GOAL	DATA INSIGHTS	IMPLEMENTATION	DEMO

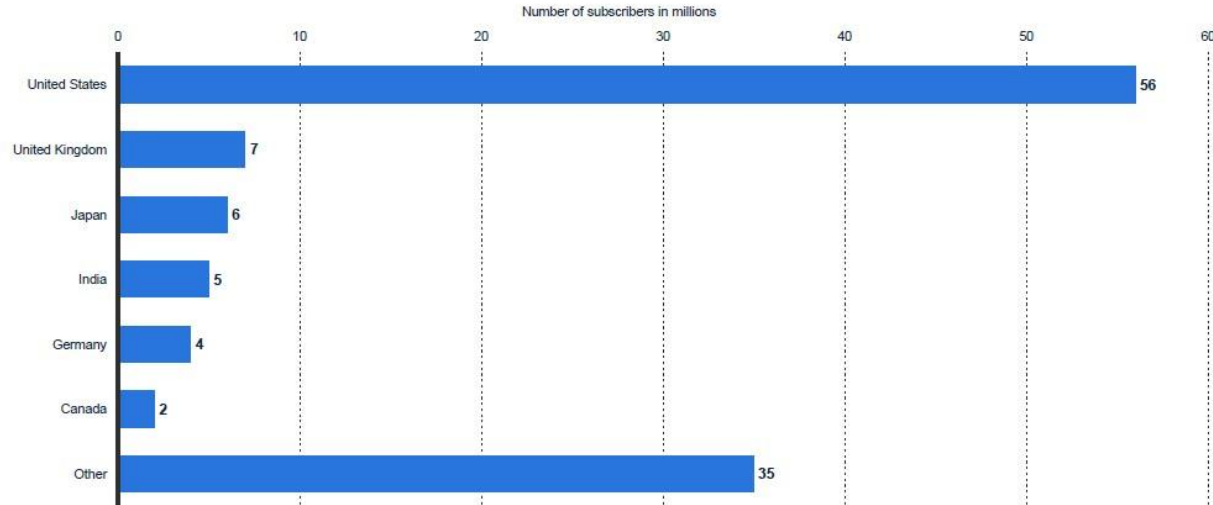What are we trying to solve?

How built the solution?

Amazon Prime Video

Number of Amazon Prime Video subscribers worldwide in selected countries in 2022 (in millions)

Number of Amazon Video subscribers 2022, by country

3 Reasons People leave Streaming services

- Content not enough

- Lack of good recommendations

- Inconvenience

Goal

- Real time movie recommendations based on user's historical preferences

- More personalized recommendation promoting customer retention and conveniency
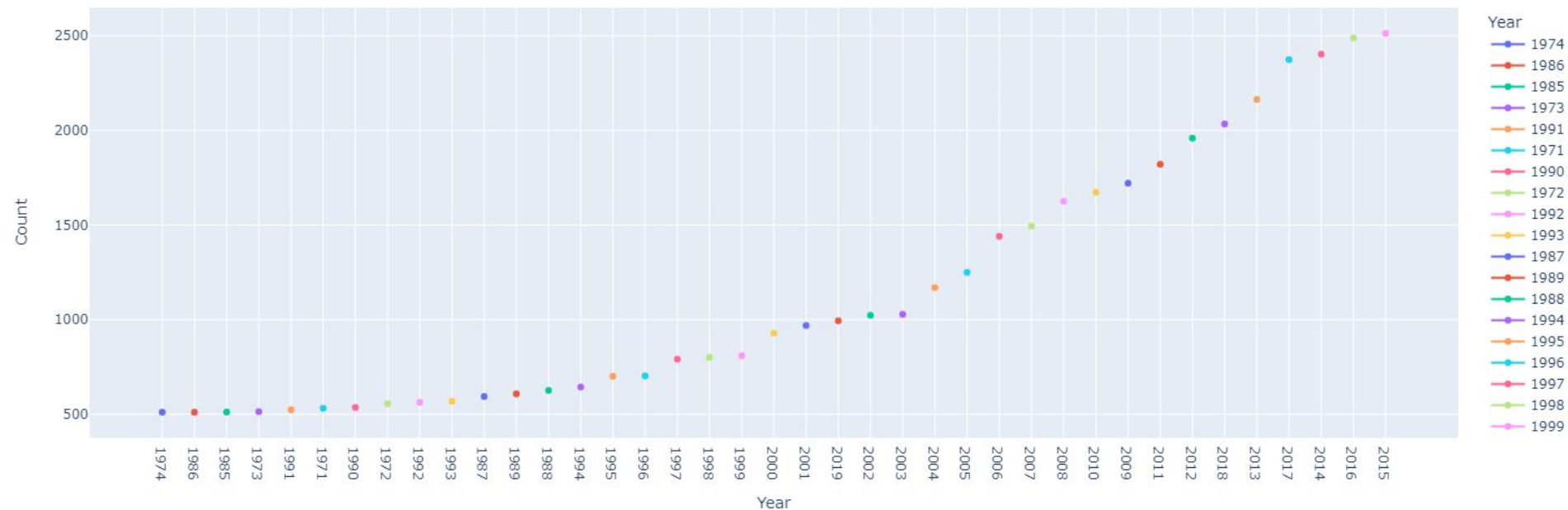
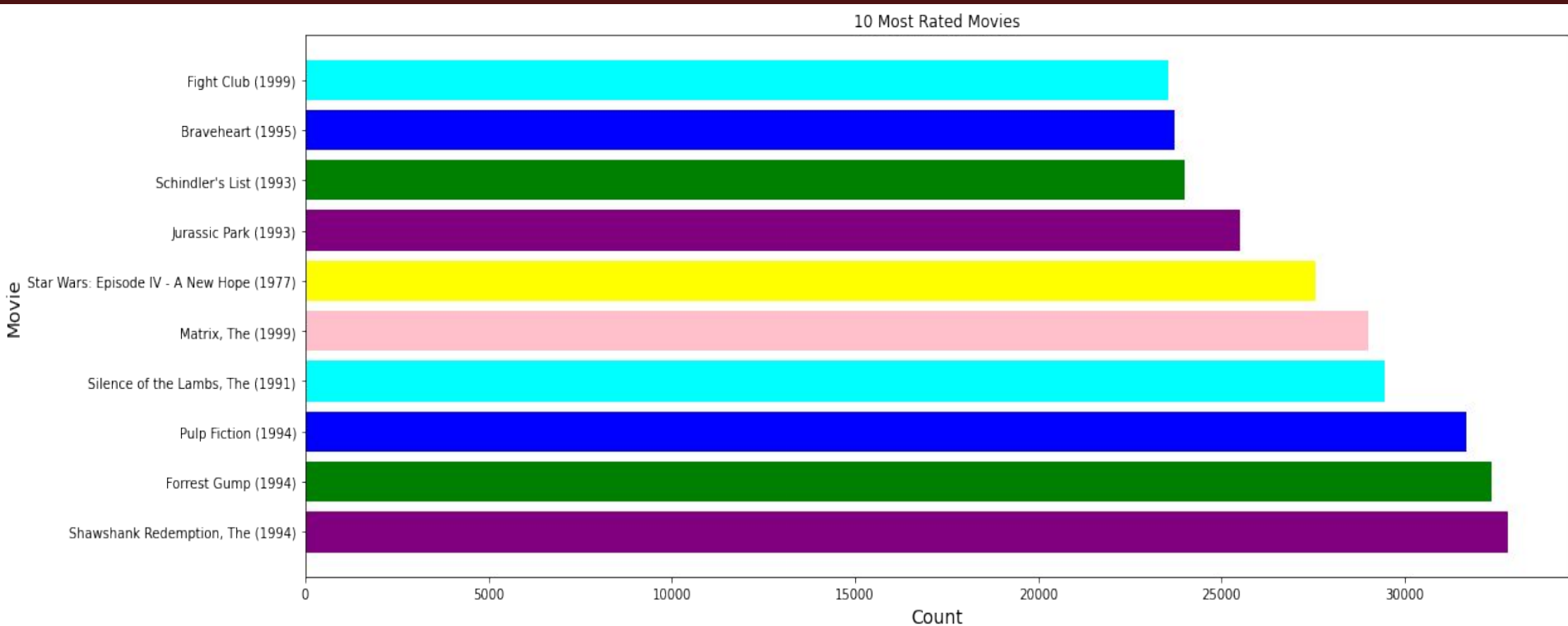- Increase in subscribers

Data Insights

Movies Chart

- Increasing number of Movies can potentially increase subscribers' acquisition
- Attract new subscribers

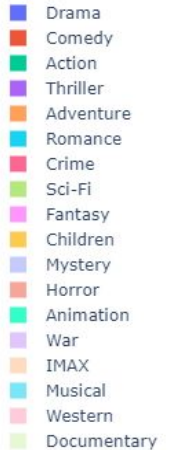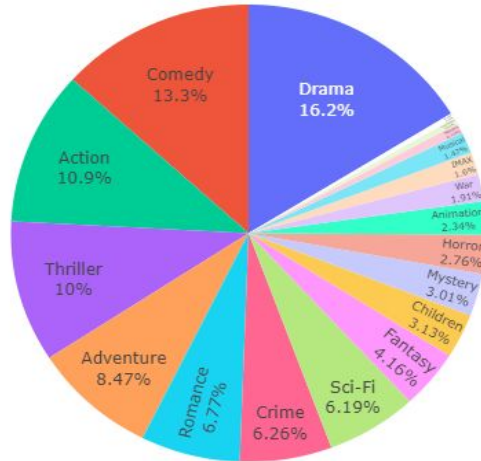Number of movies per annum

Most Rated Movies Bar Chart

10 Most Rated Movies

Genres Pie Chart

- Increasing streaming content based on most rated genre

Top genres rated

Drama 16.2%
Comedy 13.3%
Action 10.9%
Thriller 10%
Adventure 8.47%
Romance 6.77%
Crime 6.26%
Sci-Fi 6.19%
Fantasy 4.16%
Children 3.13%
Mystery 3.01%
Horror 2.76%
Animation 2.34%
War 1.91%
IMAX 1.6%
Musical 1.47%

Drama
Comedy
Action
Thriller
Adventure
Romance
Crime
Sci-Fi
Fantasy
Children
Mystery
Horror
Animation
War
IMAX
Musical
Western
Documentary

Top Rated Movie Plots

- SN18+ plots most watched : subscribers love watching this kind of content.
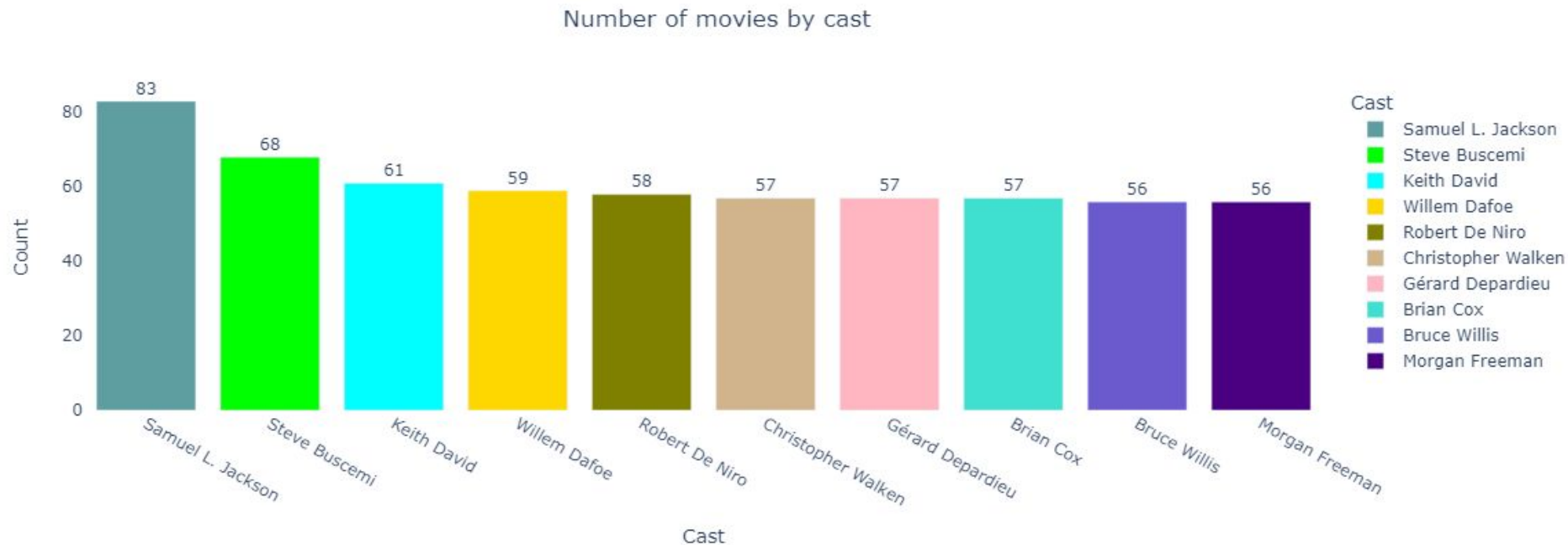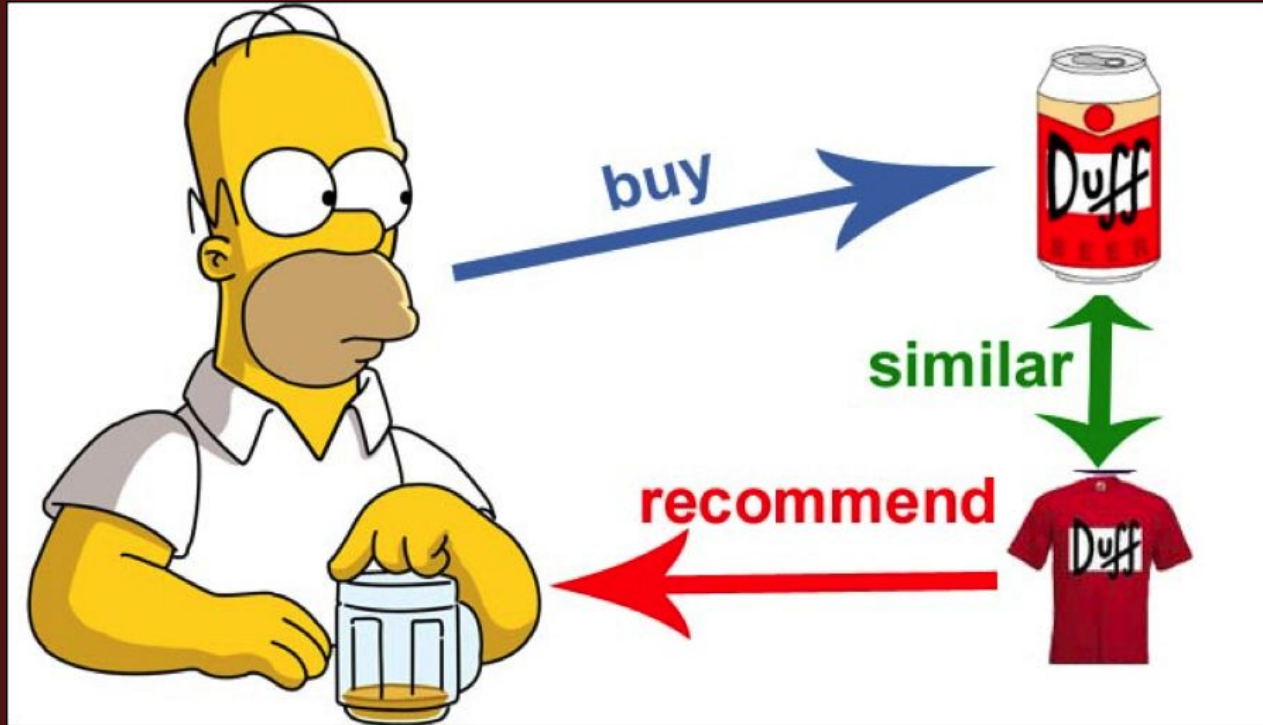

Top rated movie plots
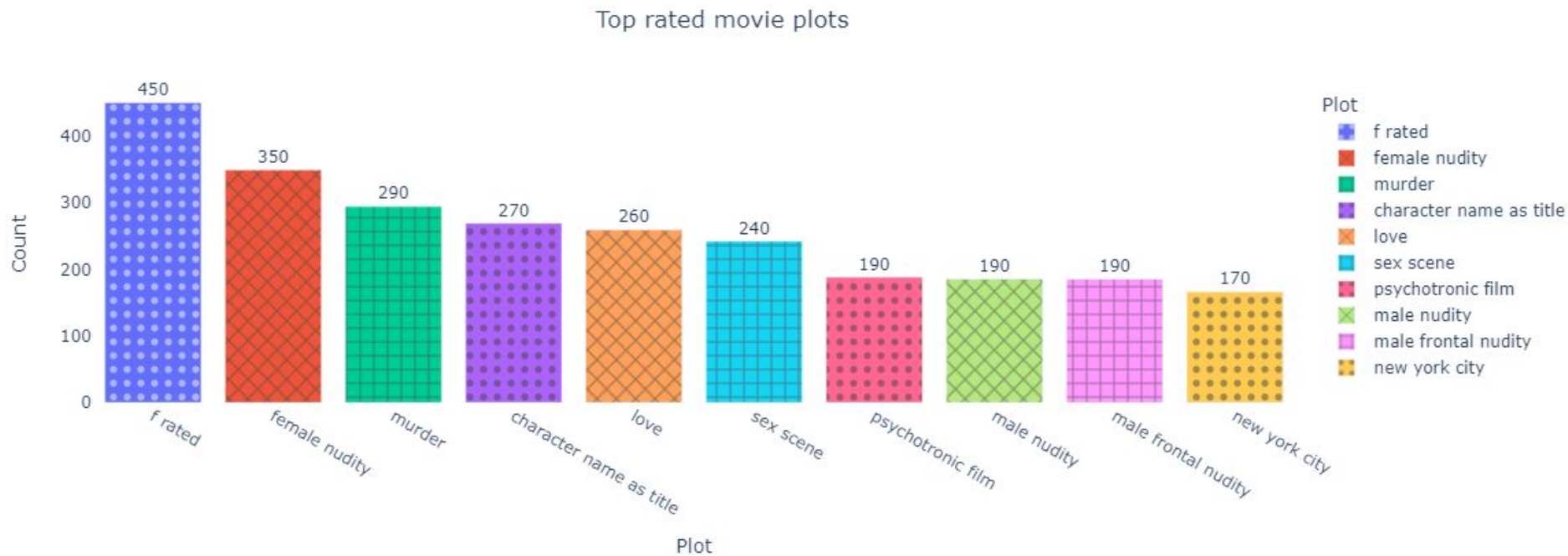
Movie Keywords Word Cloud
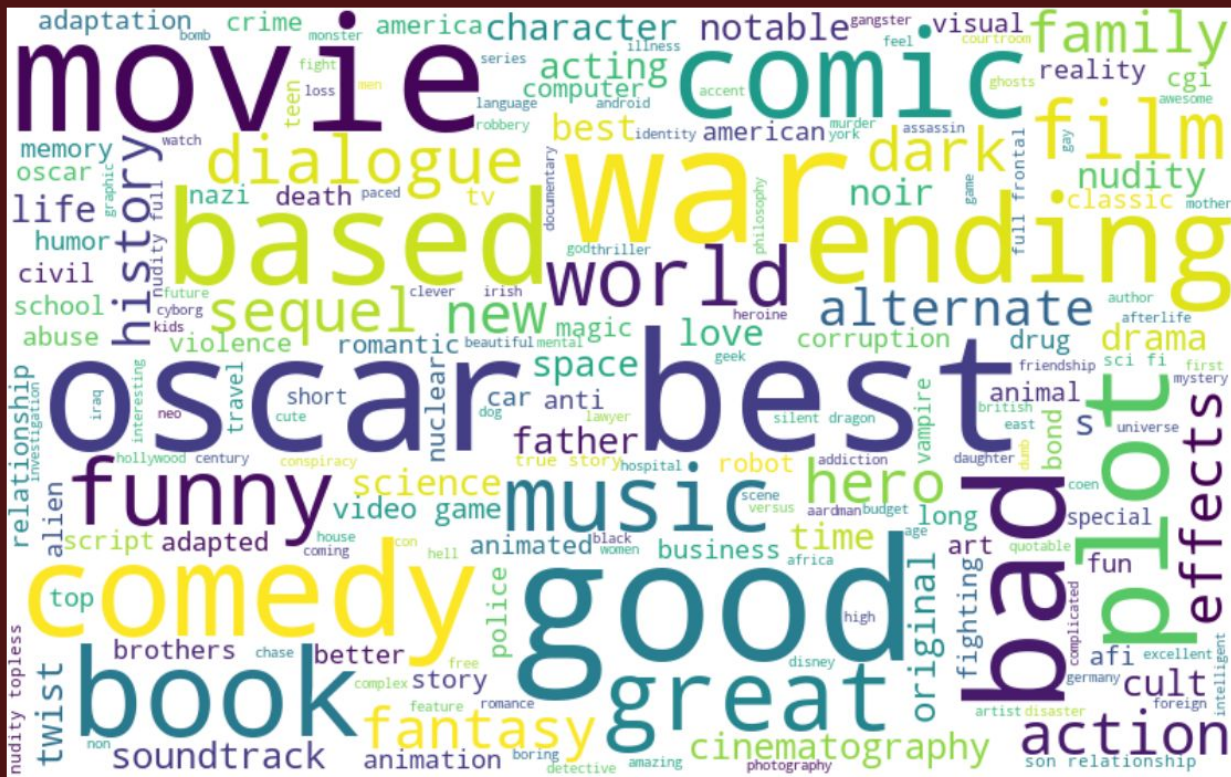
Most Occurring Cast Bar Chart

- Most subscribers have favorite casts
- Having a top 10 casts feature in the app

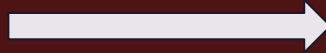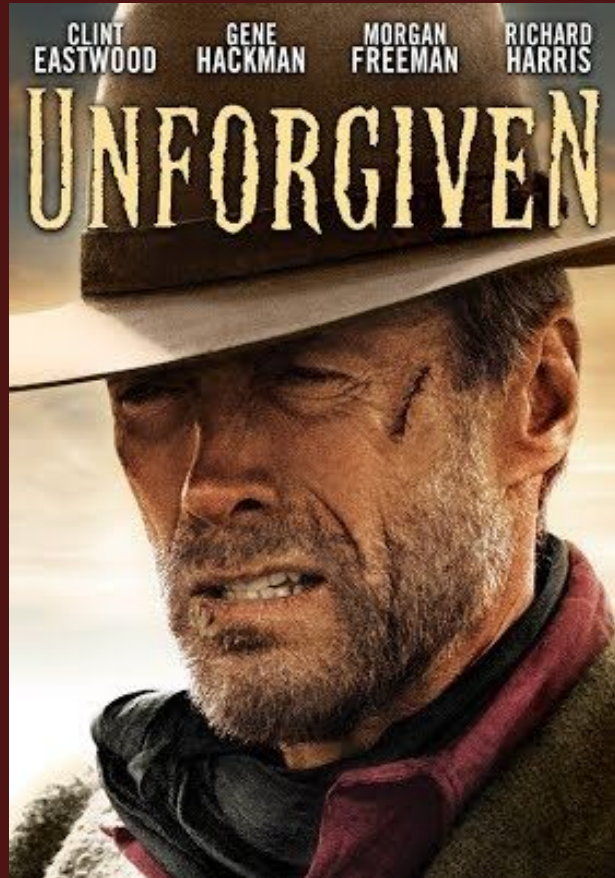
Number of movies by cast

Building the Recommender Engine

Content-Based Filtering

Content Based

Consolidated Recommendation
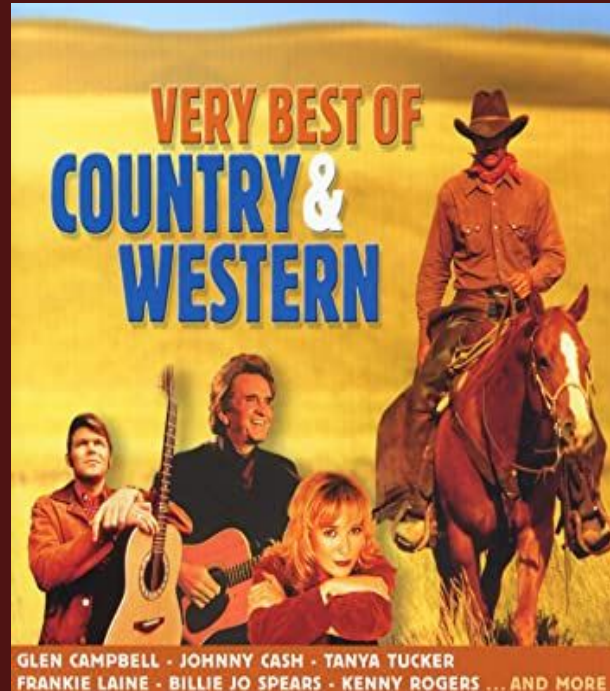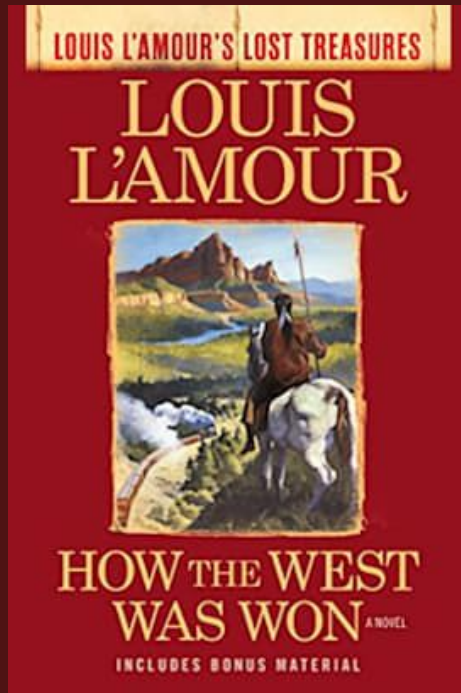
Building the Recommender Engine

Collaborative -Based Filtering
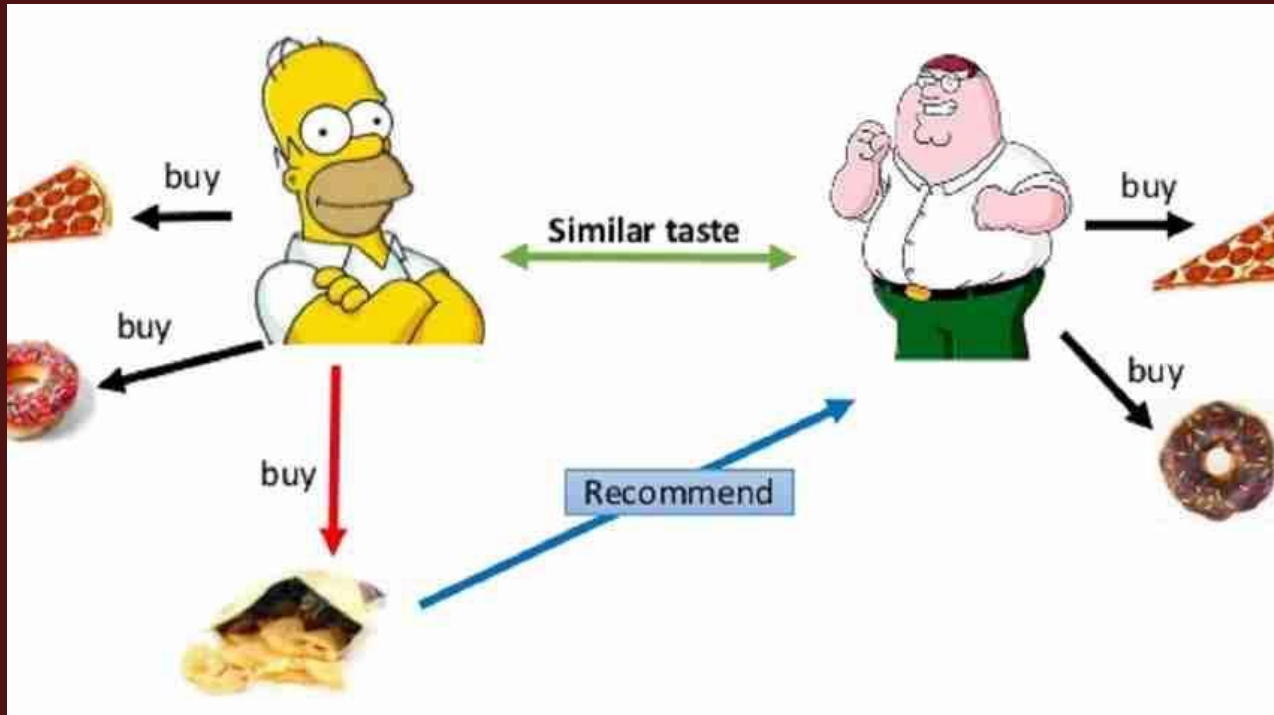
Collaborative - Based

User One
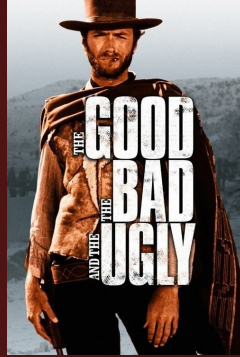
User Two
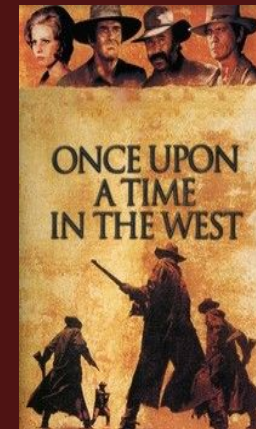
Movie Xplorer Demo

Featuring:

- Recommender
- Info
- Trailers & Comment
- Data Insights
- Contact Info
- Help Tutorials

Consolidated Amazon App

Amazon Prime Membership:

Prime Video
Prime Gaming
Prime Music
Prime Reading

Idea Generation

amazon Prime

Concept Development

Pilot Phase

Competitive Advantages

- Increasing content
- Incorporating such algorithm as a cross recommendation system for Amazon
- More accurate and personalized recommendations
- increase in subscribers = increase in revenue
- Top notch recommender against competing streaming providers

Thank You

Q & A

Trends Analytics Dream Team

Meet the Team

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Data Scientist

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Data Scientist

About

- Knowledge is power.

Trends Analytics

About Trends Analytics.

Founded in 2022, Trends Analytics is a data driven company which provides data and business solutions. We use Artificial Intelligence (AI) and Advanced Analytics to enable more personalised solutions for your business needs. We are passionate about Artificial Intelligence and its impact in the future of our society. We help optimise operations, superior customer experiences and innovative business models. We have a team of certified Data Professionals, which consists of Data Scientists, Engineers, Analysts and Project Managers.

About Movie Xplorer.

Movie Xplorer is a movie recommendation application which uses collaborative and content-based algorithms to recommend movies to the user. The dataset is obtained from MovieLens and is maintained by the GroupLens research group in the Department of Computer Science and Engineering at the University of Minnesota. Additional movie content data was legally scraped from IMDB. The movie recommendations are catered to each user's needs and the user can comment about the movies they have watched. The video content is legally scraped from YouTube.

MOVIE XPLORER

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Trailers

- Try it before you buy it.

Select Release Year Period

2022

2018   2022

You selected movies released between 2018 and 2022

Top 10 Best Movies 2022   ⌄

Top 10 Best Movies 2021   ⌄

Top 10 Best Movies 2020   ⌄

Top 10 Best Movies 2019   ⌄

Top 10 Best Movies 2018   ⌄

Statistics

Xplore the Statistics

Hi there, you can explore some interesting stats about the movies.

○ **Line & Bar Chart**   ○ **Box Plot**   ○ **Pie Chart**

Line & Bar Chart
⌃

Select 2 metrics to plot

Movies ✕   Distribution ✕

Moivie KPIs 1900-2022

Avg released movies

3716.5

↑ 1411

Distribution

16.74

Movie Release Year Distribution

5000

4000

Contact Us

- Reach out

Explained, Gathered, Analyzed & Unsupervised by The Dream Team

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📬 **Get in touch with us!**

Your name

Your email

Your message here

Send mail

We are based at   ⌄

Help

- Guides to all pages

Need Help?

Welcome Xplorer, Not sure what to do or where to be? We have the support you need.

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