

Project 3 Proposal: Movie Industry Analytics

(Group 8)

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Topic and Rationale

The project focuses on analyzing key trends and patterns within the movie industry, leveraging a dataset containing information such as movie genres, release years, revenue, ratings, and more.

The rationale behind this topic is to uncover insights into how different factors such as directors, actors, and genres influence a movie's financial and critical success.

These insights can be valuable for filmmakers, producers, and analysts looking to make data-driven decisions in the entertainment industry.

Dataset Details

Dataset Source: Kaggle – IMDB Movies Dataset

Dataset Link: <https://www.kaggle.com/datasets/harshitshankhdhar/imdb-dataset-of-top-1000-movies-and-tv-shows>

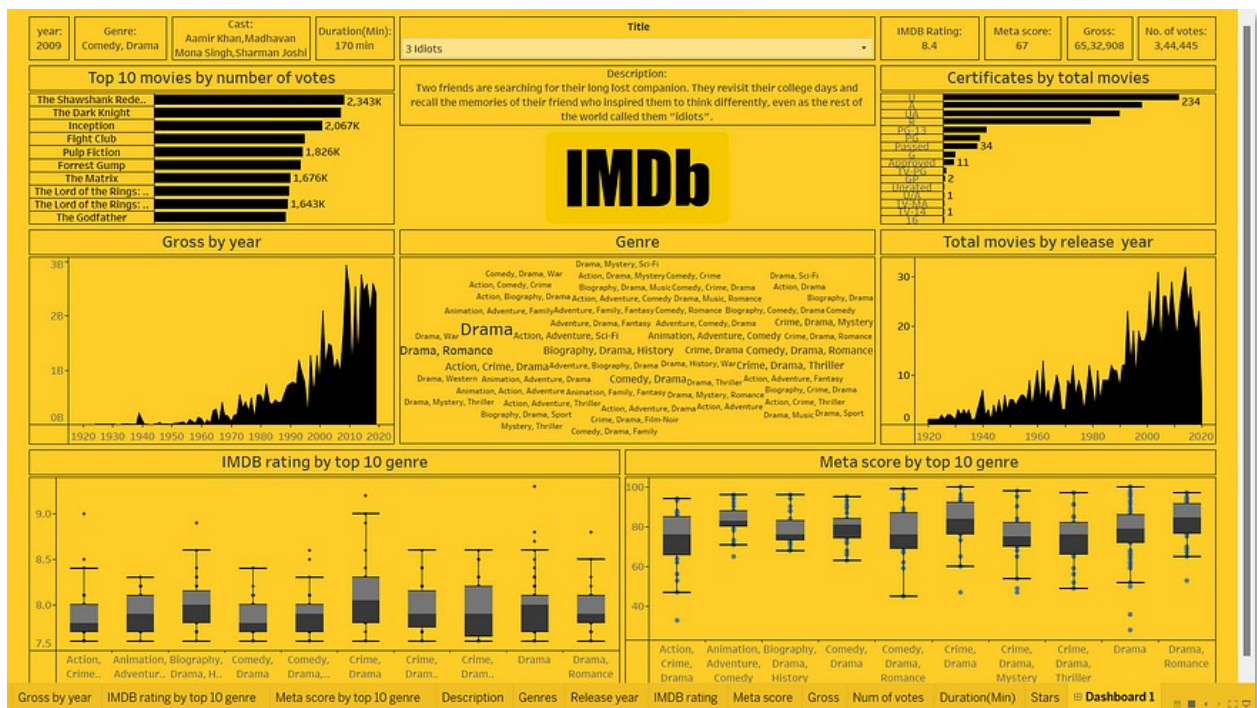
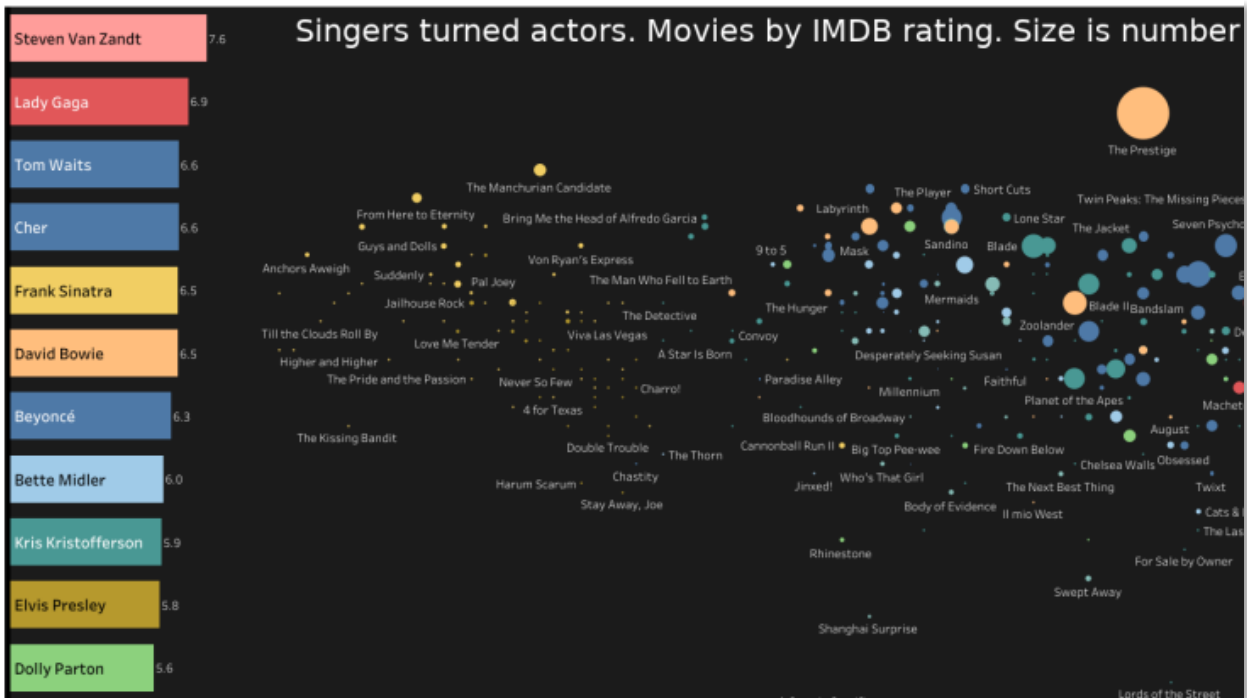
Screenshot of Metadata:

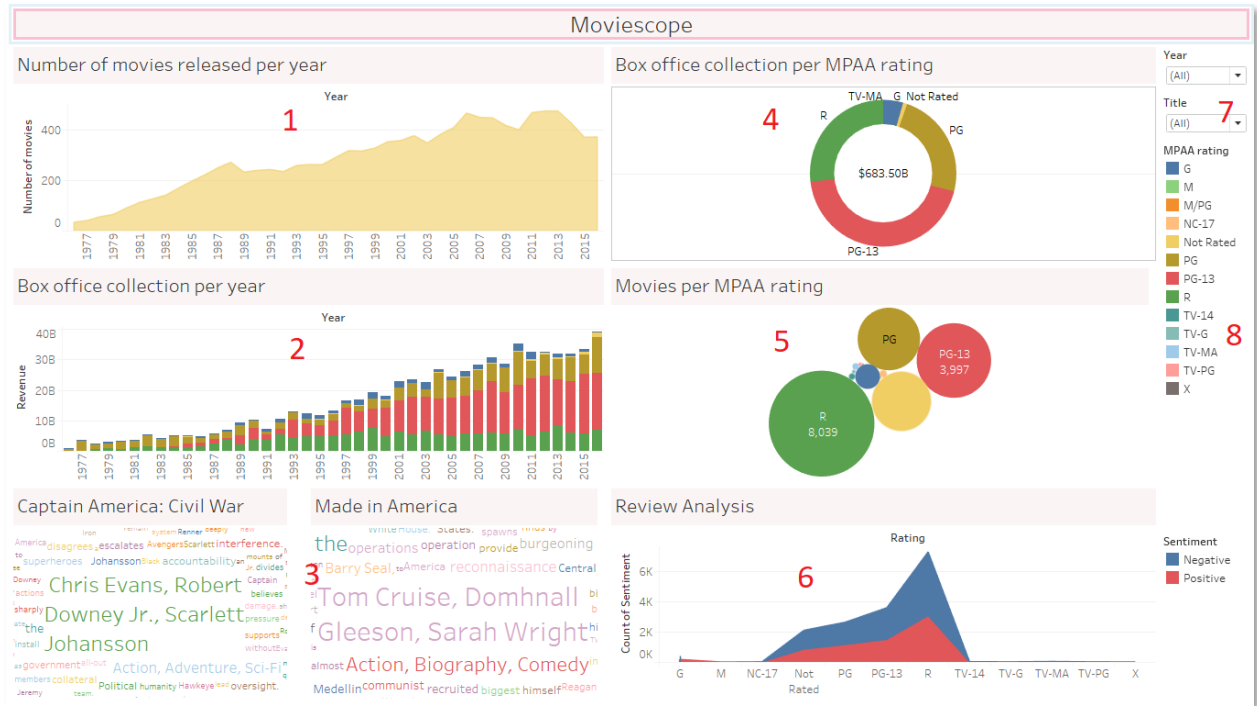


The screenshot shows the metadata for the 'imdb_top_1000.csv' dataset (438.1 kB). It includes a table with columns: Poster_Link, Series_Title, Released_Year, Certificate, Runtime, Genre, IMDB_Rating, Overview, Meta_score, and Director. Two rows are visible, representing 'The Shawshank Redemption' and 'The Godfather'.

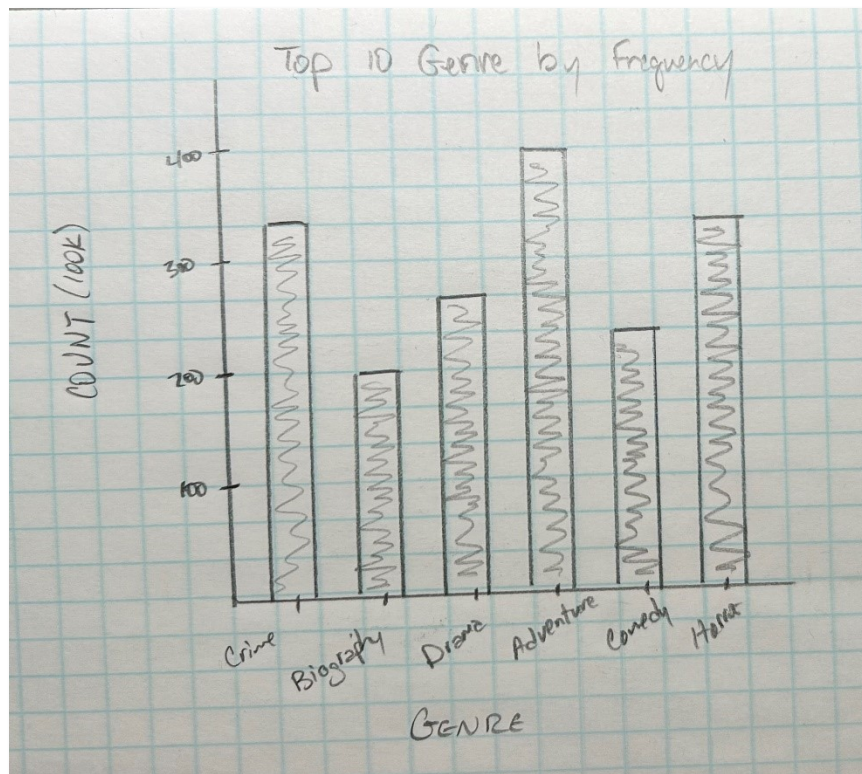
Poster_Link	Series_Title	Released_Year	Certificate	Runtime	Genre	IMDB_Rating	Overview	Meta_score	Director
https://m.media-amazon.com/images/M/WV5BMDFkYTc0MGEtZmNhMC80ZDIzLWVmNTc0ODM1ZmRlYWwMWFaXkE yXkFqcGde...	The Shawshank Redemption	1994	A	142 min	Drama	9.3	Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts ...	88	Frank Darabont
https://m.media-amazon.com/images/M/WV5BM2MyNj	The Godfather	1972	A	175 min	Crime, Drama	9.2	An organized crime dynasty's aging patriarch transfers	100	Francis Ford Coppola

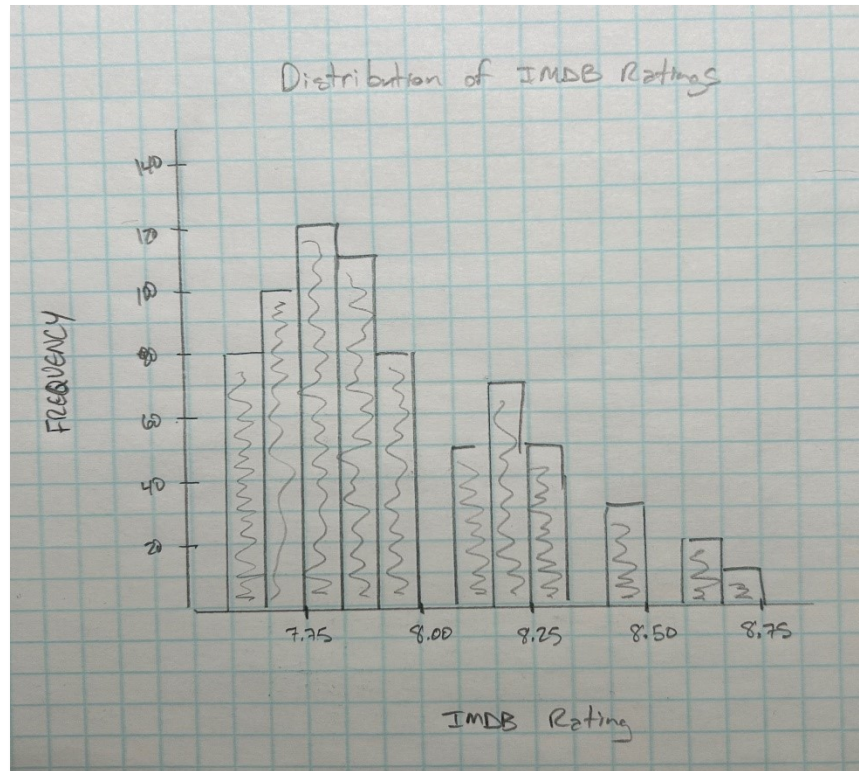
Inspiring Visualizations





Sketch of Final Design





GitHub Repository

The project's progress, source code, and documentation will be maintained here:

Repository Link: <https://github.com/frankguerra-3/Project-3.git>

URL: <https://frankguerra-3.github.io/Project-3/>

This project combines advanced visualizations, interactivity, and data analysis to create a comprehensive and user-friendly tool for exploring trends in the movie industry.