



Entertainer Data Analysis

POWERBI | PYTHON

Project Details

Title	Entertainer Data Analysis
Technologies	Business Intelligence
Domain	Film and Entertainment
Project Difficulties level	Intermediate
Programming language used	Python, SQL
Others tools	PowerBi, Excel, Jupyter Notebook, MS power point

Problem statement

Normal life can be stressful, and people need to relax. Being entertained by others is a wonderful way to take some time out of life. It can reduce stress and make life's issues easier to face. The media and entertainment industry consists of film, television, radio and print. These segments include movies, TV shows, radio shows, news, music, newspapers, magazines, and books. Entertainment industry is a group of sub-industries devoted to entertainment. Entertainment industry is used to describe the mass media companies that control the distribution and manufacture of mass media entertainment.

Objective

The Goal of this project is to develop a PowerBi Dashboard, which can be used to analysis entertainer's filmography and their career as well as movie analysis over the year.

Benefits

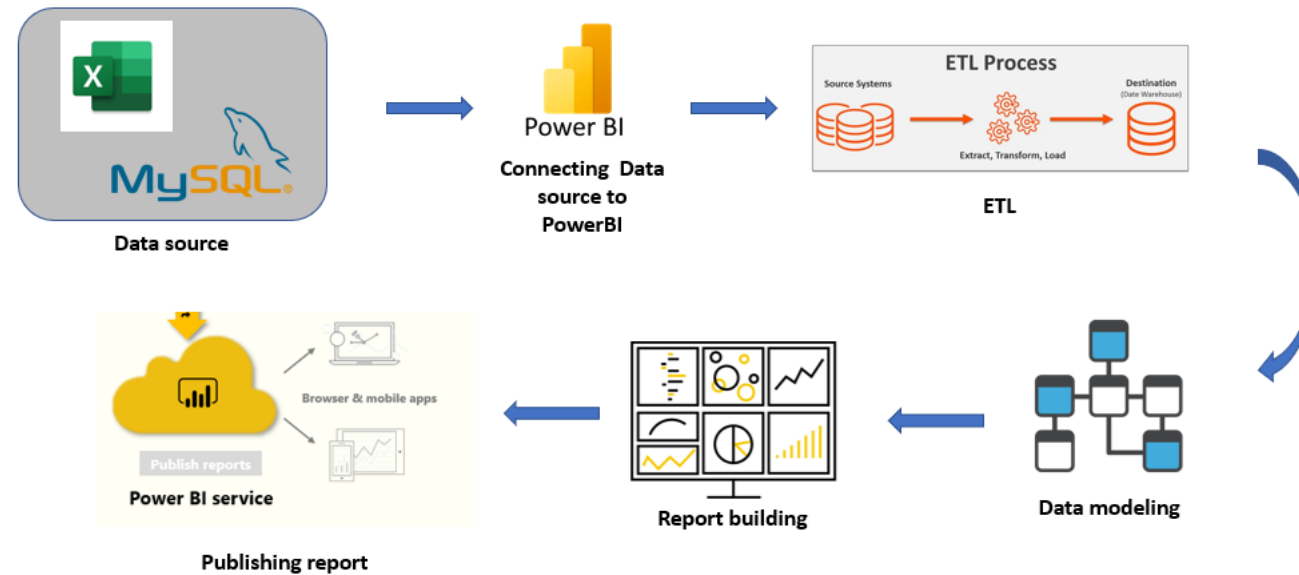
- Entertainer's filmography can be analysed with a click
- Awards of the entertainers can be consumed by the end user
- Different KPIs will indicate the main information about the entertainer
- Movie count trend or rating of the movies trend over the year can be consumed based on the filters applied

Data preparation Flow



As the provided data is not sufficient for data analysis, I have populated data for the given entertainers and stored them in local MySQL database using IMDbpy and pandas library.

PowerBI Architecture



Overall architecture of the project, which was used to build the dashboard

Dataset Information

Provided Dataset:

1. **Entertainer-Basic Info:** It consists of list of **70** Entertainers Name, Birth year and Gender
2. **Entertainer-Breakthrough Info:** It consists of details about the 70 entertainers like breakthrough year, first major award, breakthrough movie name
3. **Entertainer-Last major work Info:** It consists of the details about the 70 entertainers last major work and if died, Year of death details.

Populated Dataset:

Entertainers_basics_populated:

- Name: Entertainer's name
- DOB: Date of birth of the Entertainer
- Height: Height of the entertainer
- Nicknames: Nicknames of the entertainers, that is used by fans or cinema industry
- Quotes: Entertainers quote or statements they made in public
- Mini-biography: Mini biography of the entertainer
- Trademark: Trademark style or behaviour of the entertainer
- Headshot: URL of the entertainers headshot

Entertainers_film_list:

- Entertainer name: Name of the entertainer
- Movie name: Movie name which the entertainer acted
- Year: Release year of the movie


Entertainers_awards:

- Name: Entertainer's name
- Award: Award name
- Year: Year of the award
- Prize: Type of award
- Category: Under which category the award has been given
- Result: Whether entertainer won the award or just a Nominee (Winner/Nominee)
- Movie_name: For which movie the award was given
- Shared_with: with they shared the award with someone, there name


Entertainer_salary:

- Name: Entertainer's name
- Movie_name: Movie name of the salary they received
- Year: Movie released year
- Salary: Amount they received for that movie


Home Page




Entertainers and Movies



Detailed analysis of entertainer's movies average rating, awards, breakthrough year and much more focused only on one entertainer





Analysis on List of movies, top 5 actors based on ratings, awards, number of movies and etc.



Details about the project and attributes

Done By : Naveen S

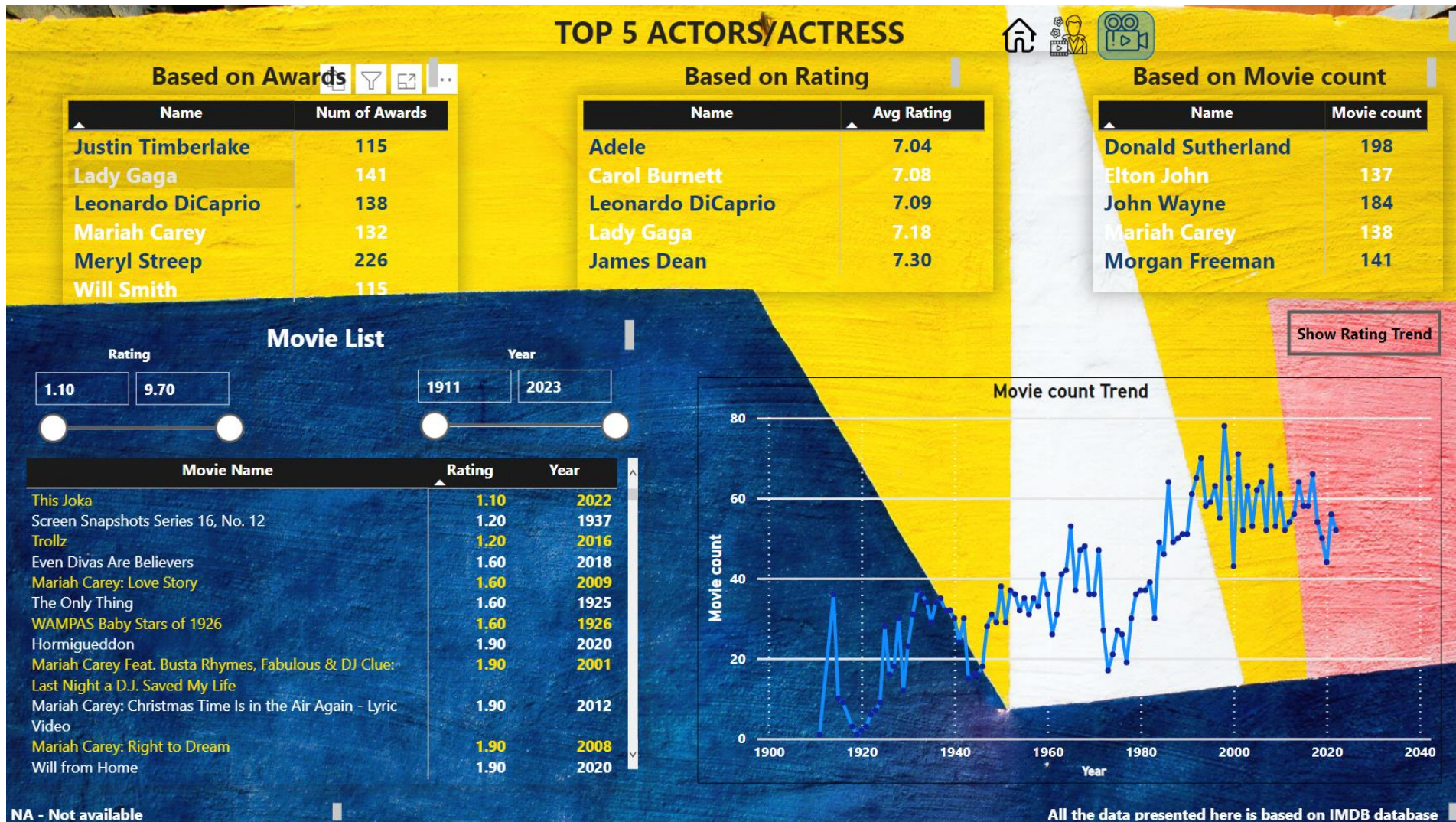
 

All the data presented here is based on IMDB database

Entertainer Analysis Page



Movie Analysis Page



KPIs (Key Performance Indicators)

- Average Movie rating of the Entertainer
- Total number of movies acted by the Entertainer
- Total number of awards
- Breakthrough Movie year
- Break through Movie name
- First major award year
- Date of birth of the Entertainer
- Height of the Entertainer
- One of the famous Quote of the Entertainer
- Trademarks of the Entertainer
- Nicknames of the Entertainer

Some of the insights from the Report

- Meryl Streep is the entertainer who received highest number of awards among other entertainers
- Top 6 entertainers who received most of the awards
 - Meryl Streep
 - Lady Gaga
 - Leonardo DiCaprio
 - Mariah Carey
 - Justin Timberlake
 - Will Smith
- James Dean has the highest average rating of movies among others
- Highest number of movies (55) released till date was on 1998
- Highest average rating of movies was on 1949
- Donald Sutherland acted in highest number of movies till date, which was 198 movies

- As it is a entertainer's analysis project, based on the end user need they can consume a lot of insights from the dashboard.
- For the filtering purpose based on the end user need, in entertainers analysis page, there is a drop down filter to select the particular entertainer.
- In Movie analysis page, Included several filters like rating and year, so the end user can filter the data according to their interest

Thank You!