

## Movie Success Analysis Report

### \*Problem Statement

The goal of this analysis is to understand the factors influencing the success of a movie on IMDb. Success is defined by high IMDb ratings. This analysis is crucial for movie producers, directors, and investors who seek insights to make informed decisions in their future projects.

### \*Data Cleaning

The dataset underwent thorough preprocessing to ensure suitability for analysis. This involved handling missing values, removing duplicates, converting data types, and performing feature engineering where necessary.

## Data Analysis

### A. Movie Genre Analysis

#### Distribution of Movie Genres

Identified the most common genres in the dataset.

#### Impact on IMDb Scores

For each genre, calculated descriptive statistics:

- \*Mean IMDb Score

- \*Median IMDb Score

- \*Mode IMDb Score

- \*Range of IMDb Scores

- \*Variance of IMDb Scores

- \*Standard Deviation of IMDb Scores

### B. Movie Duration Analysis

#### Distribution of Movie Durations

Analyzed the distribution of movie durations.

#### Relationship with IMDb Scores

Explored the relationship between movie duration and IMDb score.

### C. Language Analysis

#### Distribution of Movies by Language

Examined the distribution of movies based on language.

#### Impact on IMDb Scores

Determined the most common languages and analyzed their impact on IMDb scores using descriptive statistics.

### D. Director Analysis

#### Top Directors

Identified the top directors based on their average IMDb scores.

#### Contribution to Movie Success

Analyzed the contribution of top directors to the success of movies using percentile calculations.

### E. Budget Analysis

#### Correlation Analysis

Explored the correlation between movie budgets and gross earnings.

## Identification of High-Profit Movies

Identified movies with the highest profit margins.

## Insights

### A. Movie Genre Analysis

Genres such as [List of Most Common Genres] are prevalent.

[Insights based on Descriptive Statistics for each Genre].

### B. Movie Duration Analysis

Movie durations vary widely, with a potential trend indicating [relationship between duration and IMDb scores].

### C. Language Analysis

\*English,French,Spanish are widely used in movies.

[Insights based on Descriptive Statistics for each Language].

### D. Director Analysis

Cary bell, Sadyk Sher-Niyaz, Charles Chaplin, Damien Chazella consistently achieve high IMDb scores.

Directors play a crucial role in influencing movie success.

\* Steven Spielberg

\* Tim Burton

\* micheal bay

\* Clint Eastwood

- \* Clint Eastwood
- \* Robert Zemeckis

#### E. Budget Analysis

Positive correlation found between budgets and gross earnings.

List of High-Profit Movies identified.

- \*War of the Worlds
- \*War Horse
- \*The Terminal
- \*The Lost world: Jurassic Park
- \*The color Purple

#### Recommendations

Based on the analysis, the following recommendations are suggested:

Crime,Action,Comedy,Drama,Adventure,Drama.

#### Conclusion

This analysis provides valuable insights into the factors contributing to movie success on IMDb. The actionable recommendations aim to guide stakeholders in making informed decisions for future movie projects.

# IMDb Movie Analysis

6.38  
MEAN

6.50  
MEDIAN

4554  
MODE

1.11  
STANDARD ...

1.23  
VARIANCE

7.70  
RANGE

language

English

color

All

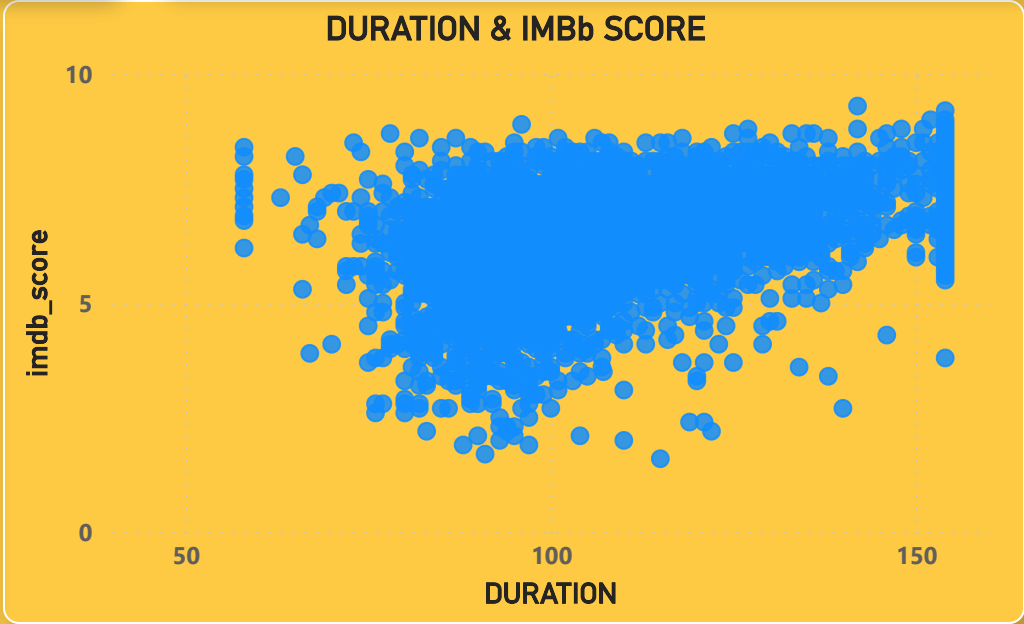
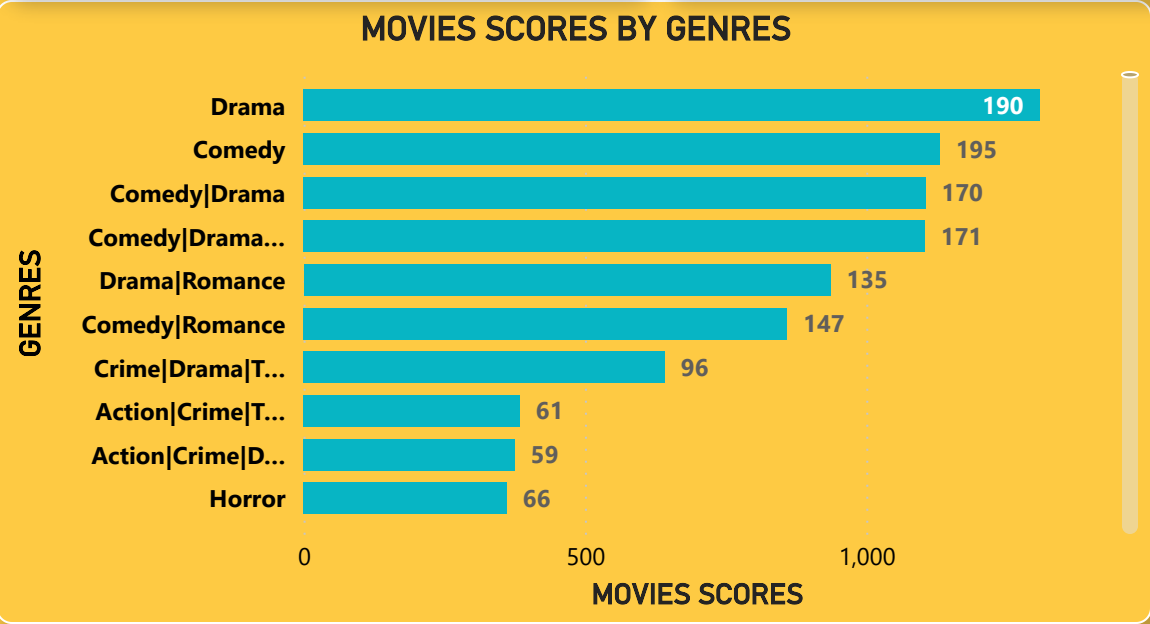
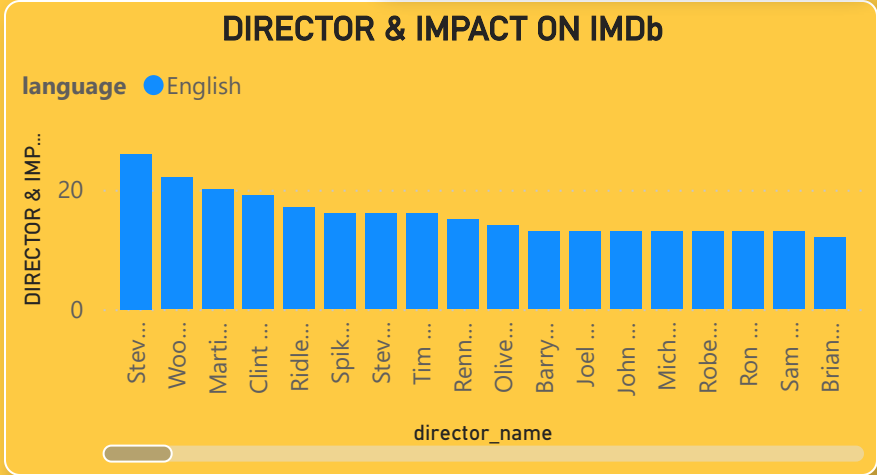
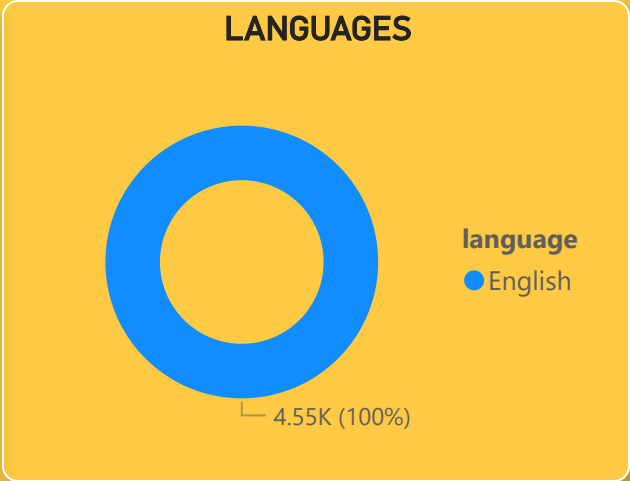
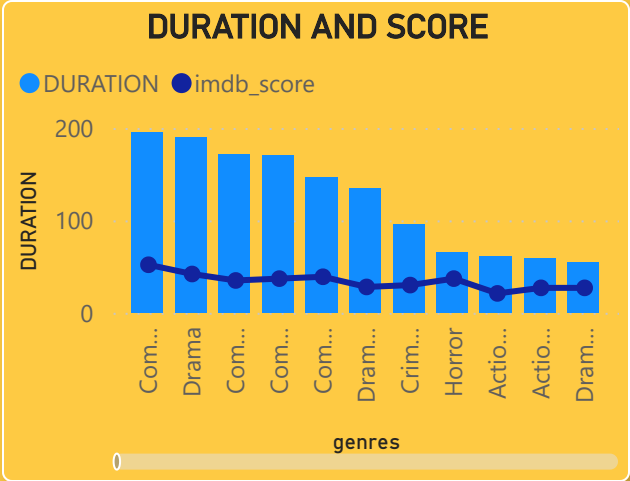
duration

All

Gross & Budget

120.11M✓

Goal: 1.17M (+10133.25%)



# IMDb Movie Analysis

language

English

color

All

country

All

imdb\_score

All

Total Movies

4554

YEAR

12 April 1905

FACEBOOK LIKES

0

AVEREAGE

6.38

genres	movie_title	budget	language
Crime Drama Thriller	Zulu	1,60,00,000.00	English
Action Adventure Family Sci-Fi	Zoom	3,50,00,000.00	English
Comedy	Zoolander	2,80,00,000.00	English
Comedy	Zoolander 2	5,00,00,000.00	English
Comedy Family Romance	Zookeeper	8,00,00,000.00	English
Adventure Comedy Horror Sci-Fi	Zombieland	2,36,00,000.00	English
Action Comedy Horror	Zombie Hunter	10,00,000.00	English
Crime Drama History Mystery Thriller	Zodiac	6,50,00,000.00	English
Comedy Horror Sci-Fi	ZMD: Zombies of Mass Destruction	5,00,000.00	English
Drama Thriller	Zipper	45,00,000.00	English
Comedy Crime Drama Mystery Thriller	Zero Effect	50,00,000.00	English
Drama History Thriller	Zero Dark Thirty	4,00,00,000.00	English
Action Adventure Comedy Family Fantasy Sci-Fi	Zathura: A Space Adventure	6,50,00,000.00	English
Adventure Animation Comedy Family	Zambezia	2,00,00,000.00	English
Comedy Romance	Zack and Miri Make a Porno	2,40,00,000.00	English
Comedy Drama Romance	You've Got Mail	6,50,00,000.00	English
Comedy Drama Romance	You're Not That Smart	1,00,00,000.00	English

director_name	Total Gross	Avg IMDb Score
Cary Bell	4,84,68,407.53	8.70
Sadyk Sher-Niyaz	4,84,68,407.53	8.70
Charles Chaplin	1,63,245.00	8.60
Damien Chazelle	1,30,92,000.00	8.50
Sergio Leone	5,37,68,407.53	8.50
Tony Kaye	67,36,048.00	8.45
Christopher Nolan	74,64,07,228.38	8.43
Bill Melendez	4,84,68,407.53	8.40
Catherine Owens	1,03,53,690.00	8.40
Jay Oliva	4,84,68,407.53	8.40
Marius A. Markevicius	1,33,778.00	8.40
Mel Gibson	7,56,00,000.00	8.40
Moustapha Akkad	4,84,68,407.53	8.40
Richard Marquand	12,01,06,083.88	8.40
Robert Mulligan	4,84,68,407.53	8.40
John Sturges	4,84,68,407.53	8.30
Total	1,93,25,84,18,520.37	6.38