

Project Documentation

Movie_dataset

1. Project Overview

This project analyses movie data using Excel and Power BI to find success trends and improve production decisions.

2. Tools Used

- Microsoft Excel

- Power BI

3. Dataset

- Source: Sample data

- Data contains: Director Name, Movie Name, Budget, Gross, Language, Country, Genre etc.

4. Steps Followed

- Cleaned data in Excel (e.g., removed blanks & Duplicates, handled missing data, formatted columns)

- Used Excel formulas and Pivot Tables for basic analysis

- Imported cleaned data into Power BI

- Built dashboards using charts, slicers, and KPIs

5. Key Insights

- Most Budgeted Movies

- Most Profitable Movies

- Highest Rated Movies

- High IMDb vs. High Budget

- Geographical Profit Map

- Top Spenders (Genre)

- Movies Volume Analysis (Top Countries)

- Director vs. Revenue

- Star Power vs. Revenue etc.

Examples of Key Insights:

According to the available data,

- total of approximately **4.9k movies** were produced between **1916 and 2016**,
- the total combined budget for these movies is **\$180.52 billion**, resulting in a cumulative profit of **\$54.2 billion**,
- Animation movies are among the highest spending in terms of budget per film,
- **Family and Adventure movies** consistently show strong profitability, often outperforming pure Action films in return on investment.
- The median year for movie production in this set is **2005**, with highly-rated modern classics like *The Dark Knight Rises* achieving an IMDb score of **8.5**.

6. Screenshots



7. Files Included

- ‘Movie_dataset.xlsx’ – Cleaned data and basic analysis
- ‘Movie_datasetnew.pbix’ – Power BI dashboard
- ‘Mini Project Documentation.pdf’ – Project description

8. How to Use

- Open ` Movie_dataset.xlsx ` to view the cleaned data.
- Open ` Movie_datasetnew.pbix ` in Power BI Desktop to explore the visuals.