



IMDB Top Charts Project

BY:

HIMANSHU DEOL

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OBJECTIVE

Our goal was to scrape, analyze, and extract insights from the IMDB Top 250 Movies dataset. By doing so, we aimed to understand trends in movie ratings, genre preferences, and directorial impact.



PROBLEM STATEMENT

🎬 IMDB is a widely used platform for movie ratings and reviews. But what factors contribute to a movie's ranking in the Top 250 list?

We sought to answer key questions such as:

- ✓ What are the most common genres in the Top 250 movies?
- ✓ Which directors have the highest-rated films?
- ✓ How do IMDB ratings correlate with release years?
- ✓ What are the most frequent words in top movie titles?



METHODOLOGY



"Our project involved four major steps:

1 Web Scraping

2 SQL Analysis

3 Exploratory Data Analysis (EDA)

4 Visual Insights



KEY INSIGHTS

📊 "After performing SQL analysis and EDA, here are some key insights we discovered:

🎥 Genres:

- The most common genre in the Top 250 movies is *Drama*, followed by Adventure and Crime.

🎬 Directors:

- *Christopher Nolan* and *Steven Spielberg* have the most movies in the Top 250.
- Nolan's films tend to have an average rating above 8.5.

📅 Yearly Trends:

- The 1990s and early 2000s contributed the highest number of movies to the list.
- The trend of highly rated movies decreased slightly in the last decade.

👤 Movie Titles:

- Common words in top movie titles include *Spider*, *Ring*, and *Man*, hinting at recurring themes.

CHALLENGES

- ⚠ "During this project, we faced some challenges:**
- ❑ Web scraping required handling dynamic content and preventing request blocking.**
- ❑ Data cleaning was crucial as some genres and durations were missing or inconsistent.**
- ❑ SQL queries had to be optimized for better performance.**

KEY LEARNINGS

- Improved skills in web scraping and SQL query writing.
- Gained deeper insights into data analysis and visualization techniques.
- Understood the importance of storytelling with data.

CONCLUSION

🚀 To summarize, our project analyzed the IMDB Top 250 movies to identify trends in genres, directors, and ratings.

💡 Future Scope:

- ❑ We can expand this project by including Box Office performance and Audience vs. Critic Score Comparisons.
- ❑ Implementing a real-time dashboard to track IMDB trends dynamically.



**Thank you for your time!
We hope you found our
analysis insightful.**