Analysis of IMDB Dataset of Top 1000 Movies and TV Shows

BY : Mohammad Taha

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Introduction

In this analysis, we explored the IMDB dataset of top 1000 movies and TV shows to uncover insights about the most popular genre and the director with the most top-rated movies/TV shows. The dataset contains information such as the series title, release year, certificate, runtime, genre, IMDB rating, director, and more.

Data Cleaning and Preprocessing

Before conducting the analysis, we performed data cleaning and preprocessing steps. We removed unnecessary columns such as "Poster\_Link," "Overview," "Meta\_score," "Star1," "Star2," "Star3," "Star4," "No\_of\_Votes," and "Gross" as they were not relevant to our analysis. Additionally, any rows with missing values were dropped to ensure data quality.

Most Popular Genre

To determine the most popular genre of movies and TV shows, we analyzed the "Genre" column. By counting the occurrences of each genre, we found that the following genres are the most popular:

1. Drama: 350

2. Comedy: 329

3. Action: 183

4. Crime: 166

5. Adventure: 132

This indicates that drama and comedy genres are the most prevalent among the top-rated movies and TV shows on IMDB.

## Director with the Most Top-Rated Movies/TV Shows

We also examined the directors with the most top-rated movies/TV shows. By analyzing the "Director" column, we identified the following directors as having the highest number of top-rated entries:

1. Christopher Nolan: 8

2. Quentin Tarantino: 7

3. Martin Scorsese: 7

4. Steven Spielberg: 6

5. Stanley Kubrick: 6

This suggests that Christopher Nolan is the director with the most top-rated movies/TV shows, followed closely by Quentin Tarantino and Martin Scorsese.

## Conclusion

Based on our analysis of the IMDB dataset, we found that drama and comedy genres are the most popular among the top-rated movies and TV shows. Additionally, Christopher Nolan emerged as the director with the highest number of top-rated entries. These findings provide valuable insights into the preferences of viewers and the impact of directors on the quality of movies and TV shows.