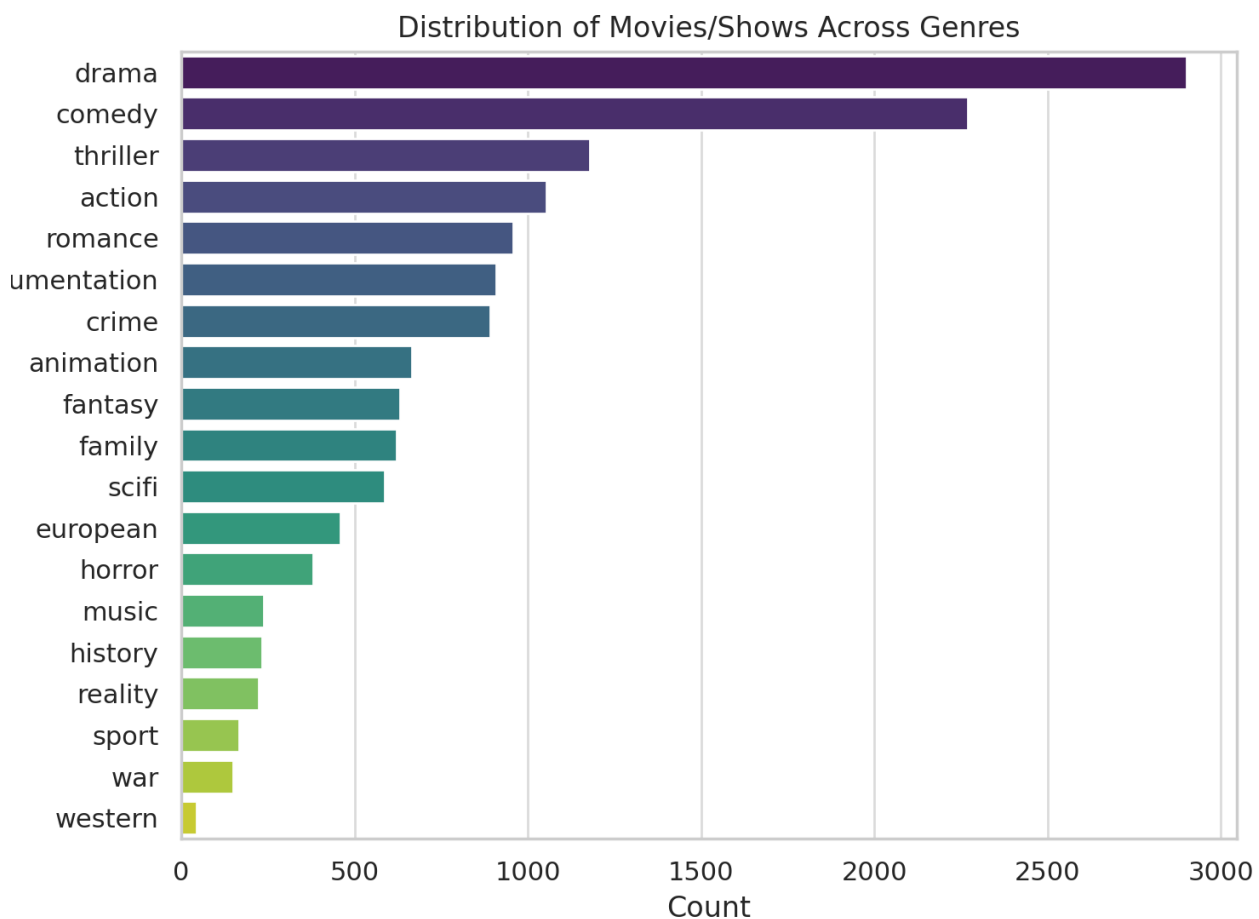# Movie/Show Data Analysis Report

1. Overview of the Dataset

The dataset contains details of movies and shows, including genres, ratings, and release years. It provides insights into trends and preferences in the film industry.
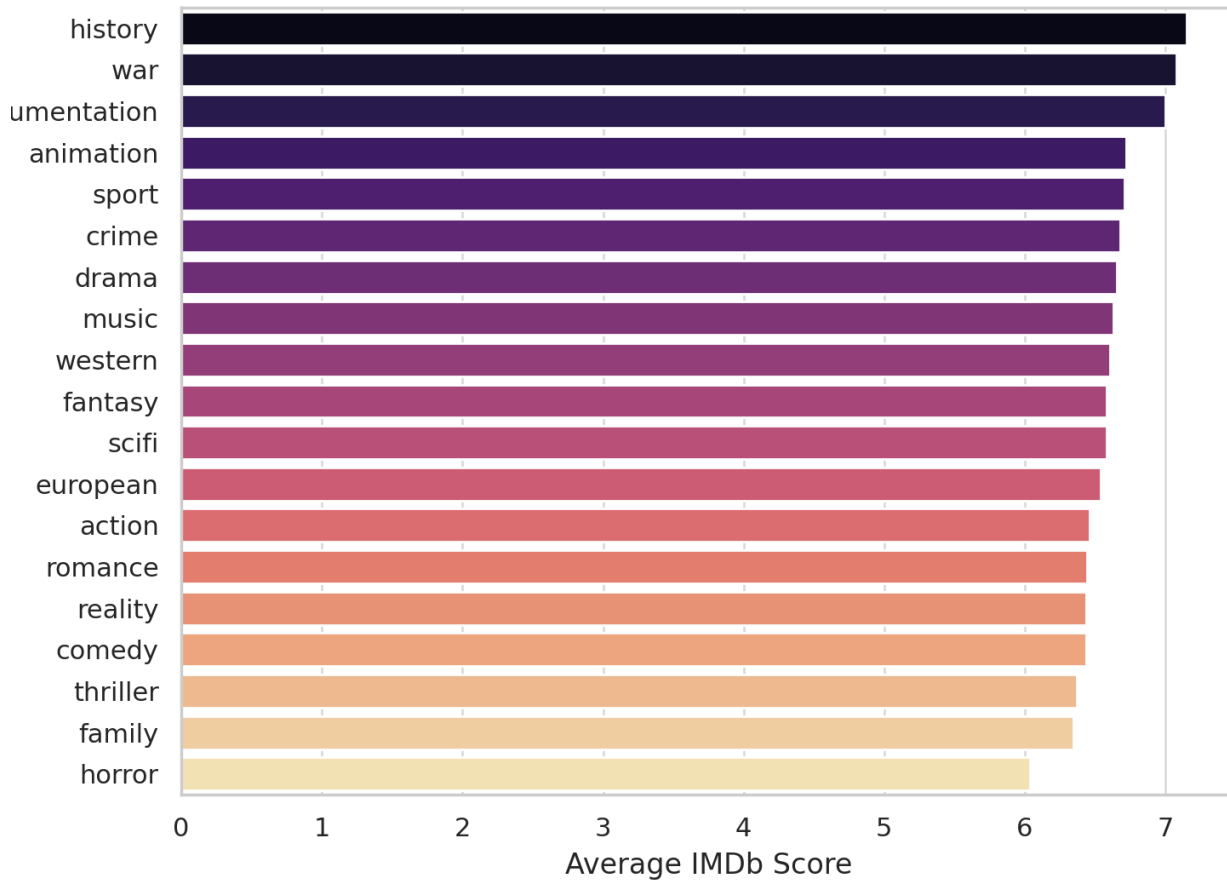
2. Exploratory Data Analysis (EDA)

Analysis revealed key trends in genres, ratings, and release years. Popular genres include Drama, Comedy, and Thriller. A gradual decline in IMDb ratings over recent years was observed.

Distribution of Movies/Shows Across Genres
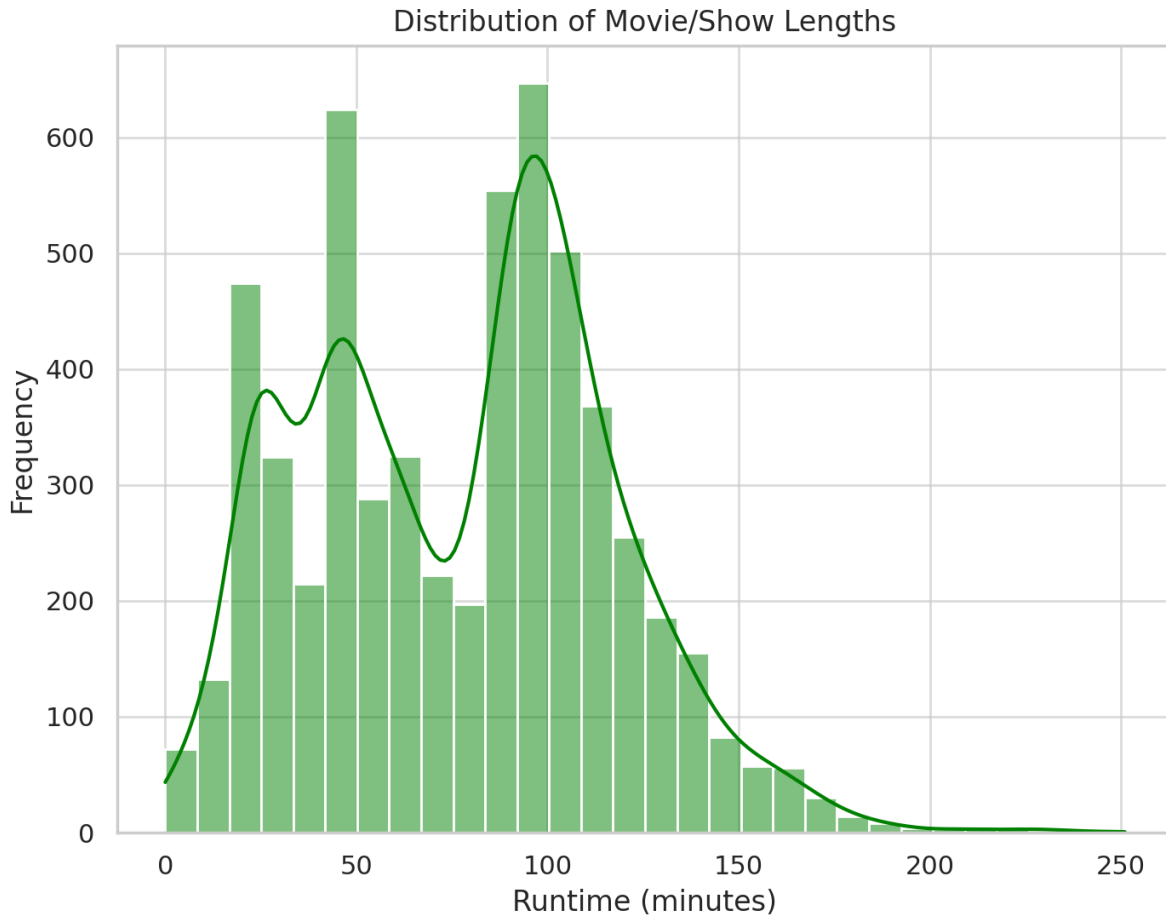
Movie/Show Data Analysis Report

Average IMDb Score by Genre

3. Statistical Analysis

The distribution of movie/show lengths showed a standard runtime range. Lack of budget data precluded correlation analysis with ratings.
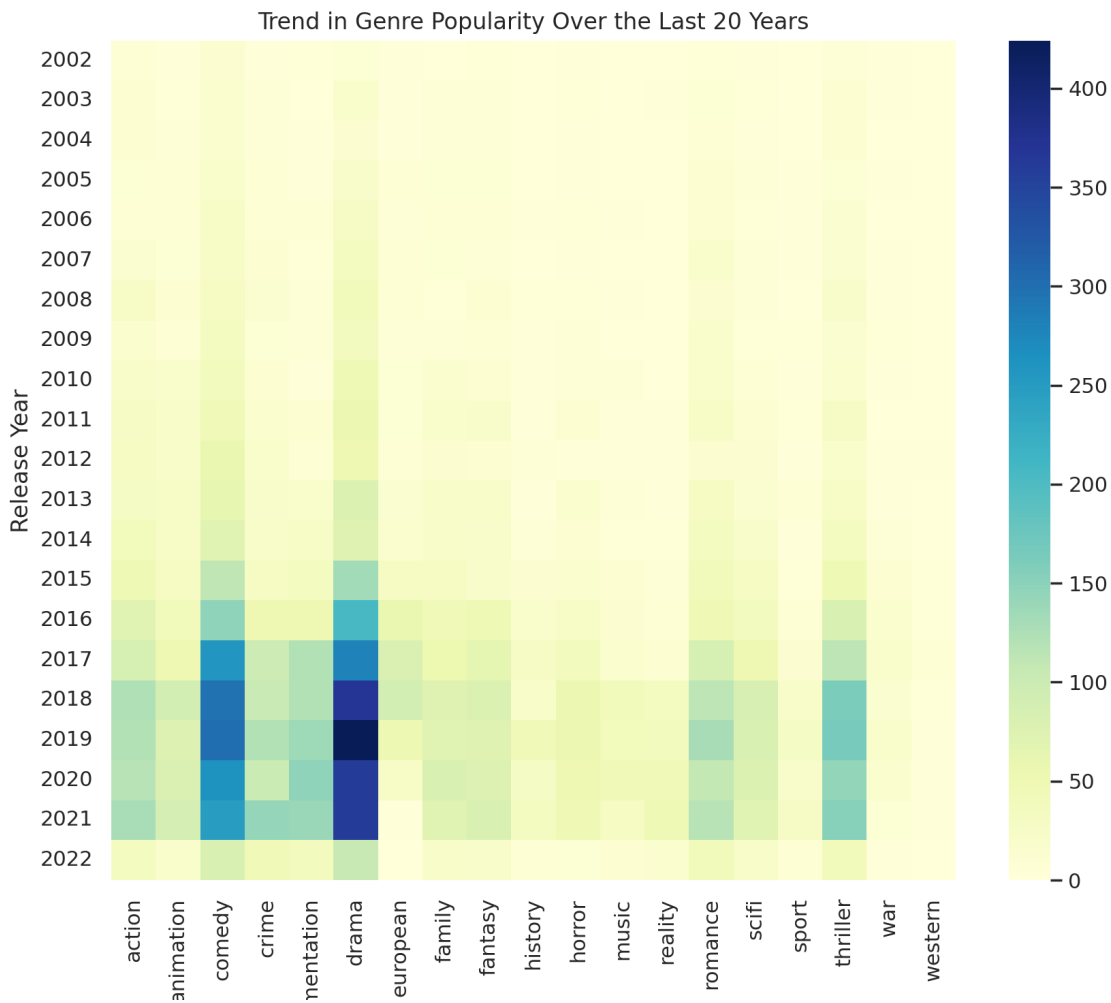
Distribution of Movie/Show Lengths

4. Trend Analysis

Genre popularity over the last 20 years was analyzed, showing fluctuations in genre preferences over time.

Trend in Genre Popularity Over the Last 20 Years

5. Insights and Recommendations

Insights indicate a preference for specific genres and a standard runtime range. Recommendations include focusing on popular genres and maintaining quality to combat the decline in ratings.

6. Average IMDb Ratings Over Time

The trend in IMDb ratings over time provides insight into changes in quality and viewer preferences.

Movie/Show Data Analysis Report

Average IMDb Ratings Over Time