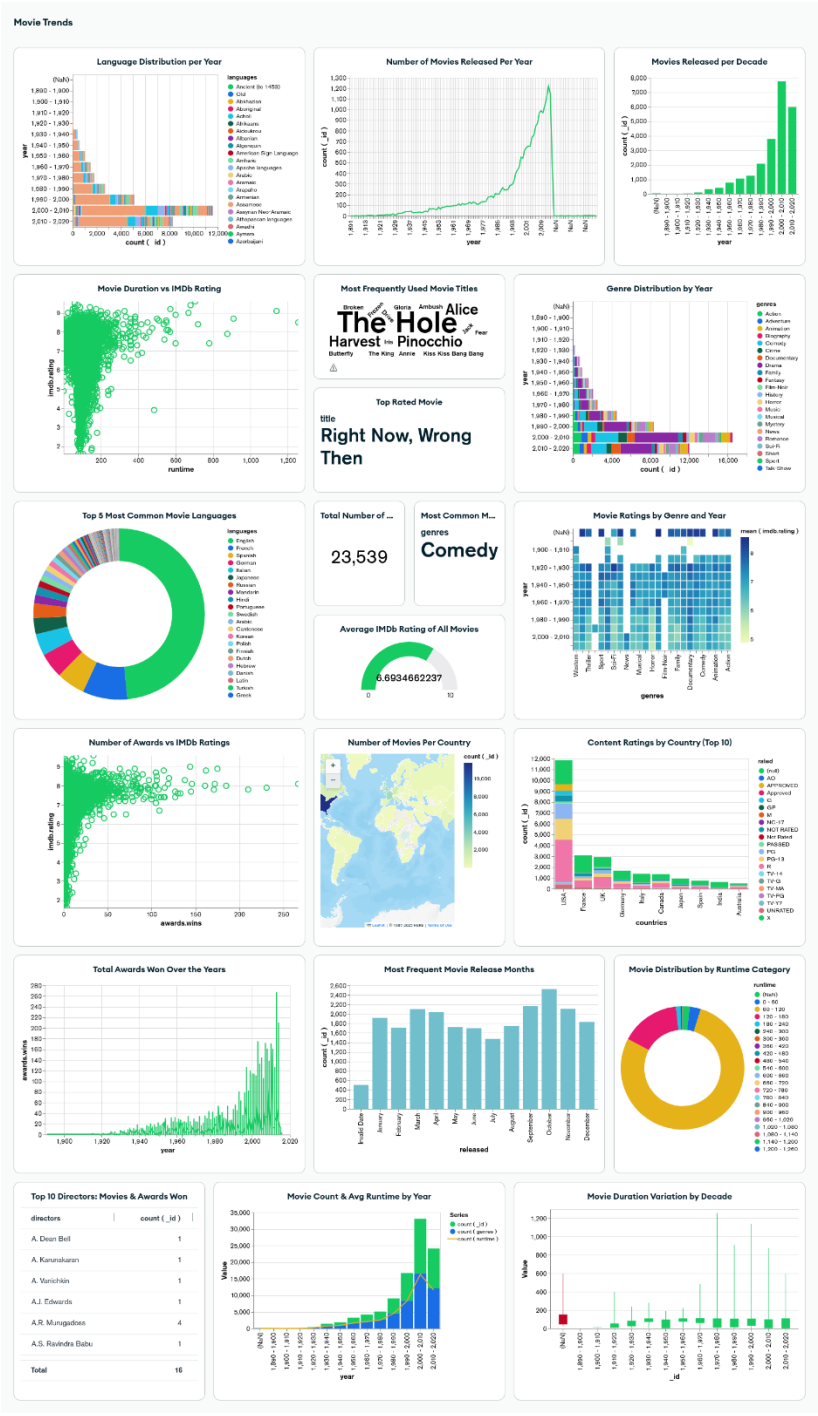
Movie Analytics Dashboard

Description:

This **Movie Analytics Dashboard** provides insights into global film production patterns, covering language distribution, genre trends, IMDb ratings, and award statistics. The visualizations help analyze movie release patterns, regional production hubs, content ratings, and runtime variations over time, offering a comprehensive view of the film industry's evolution.



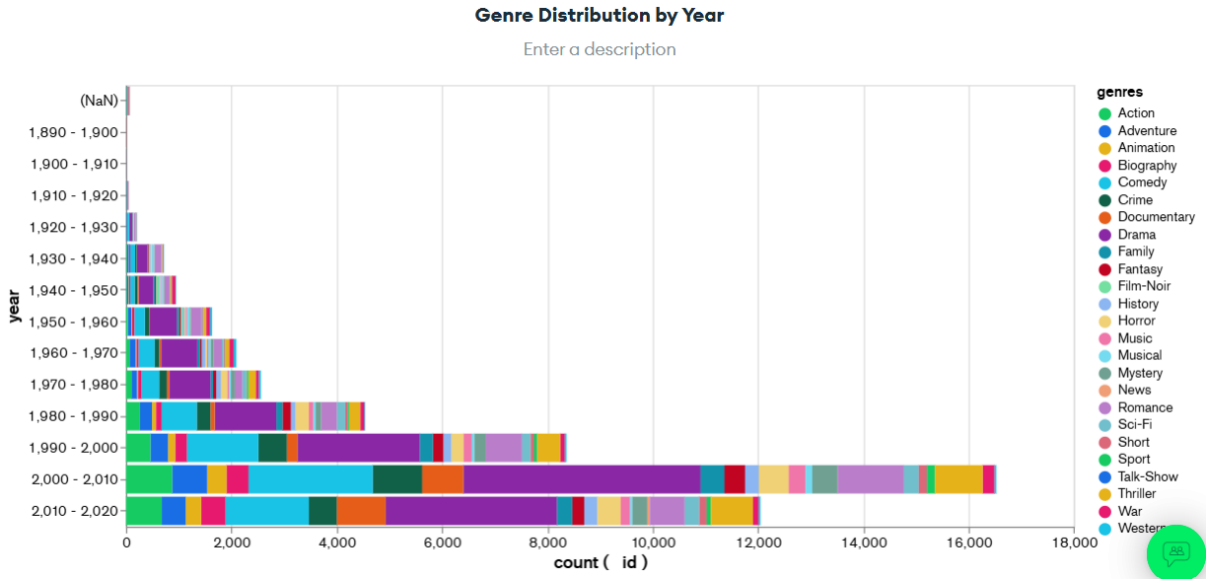
View the full dashboard here:

[Movie Analytics Dashboard]

1. **Stacked Bar Chart - Genre Distribution by Year**

Objective: Visualize how different movie genres have evolved over time.

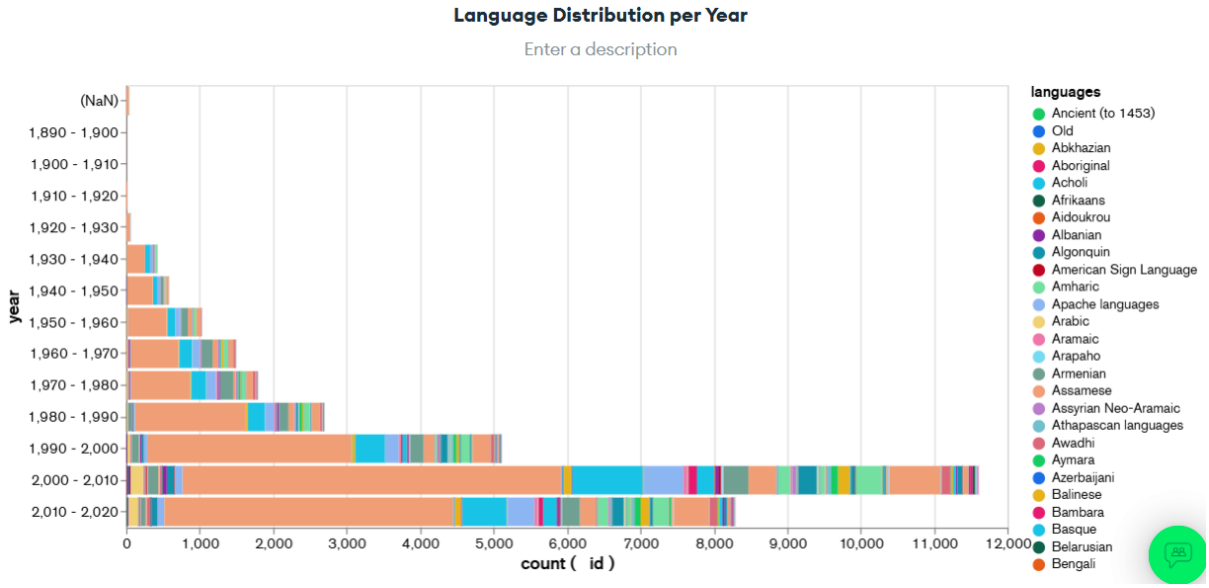
Analysis: This will show the trend of movie genres over the years, helping to identify which genres were dominant in different time periods.



2. **Stacked Bar Chart - Language Distribution per Year**

Objective: Analyze how the diversity of movie languages has evolved over time.

Analysis: This will show the trend of movie genres over the years, helping to identify which genres were dominant in different time periods.

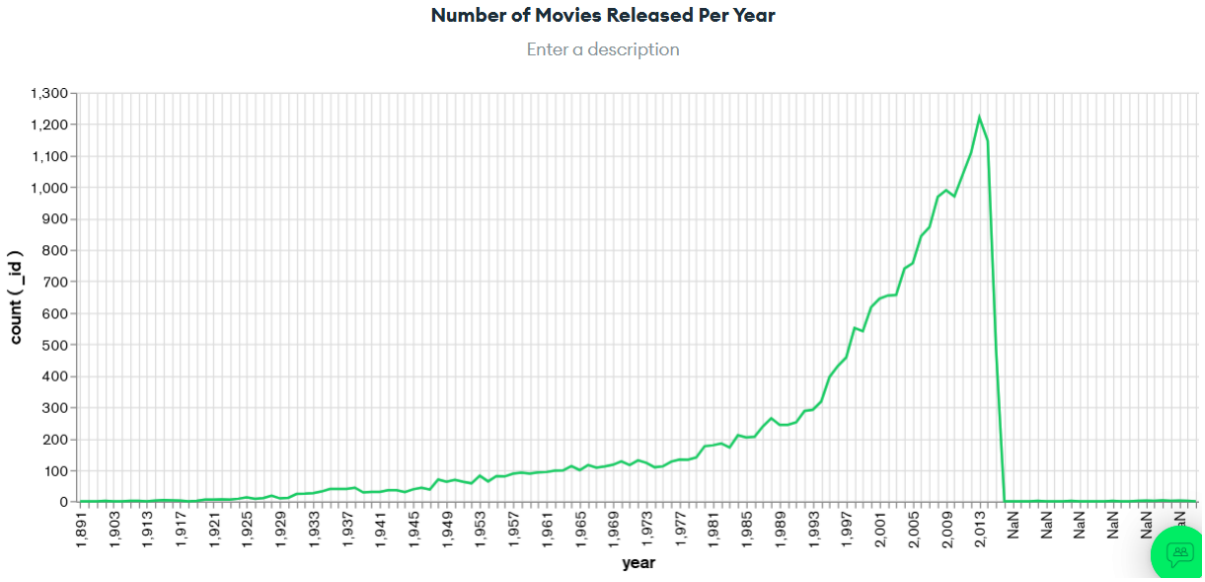


3. Discrete Line Chart - Number of Movies Released Per Year

Objective: Show the trend of movie production over time.

Analysis:

- This will show how movie production has increased or decreased over the years.
- Helps identify spikes or drops in the number of movies released.

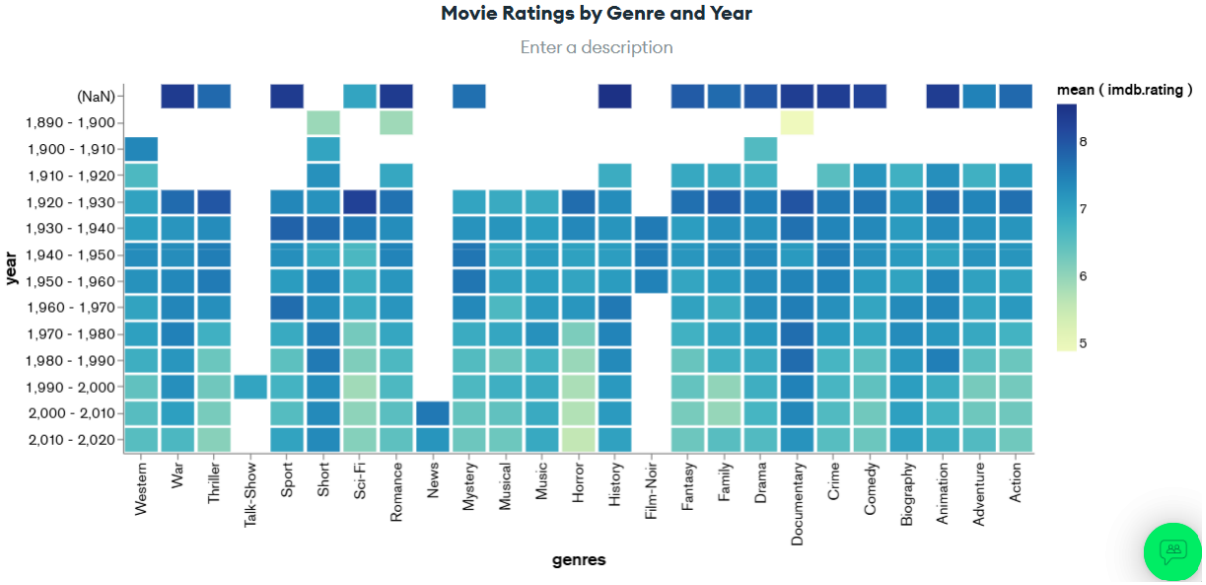


4. Heatmap - Movie Ratings by Genre and Year

Objective: Show how average IMDb ratings vary across different genres over the years.

Analysis:

- This chart highlights which genres received higher/lower ratings in different years.
- Helps identify trends in genre popularity and quality over time.

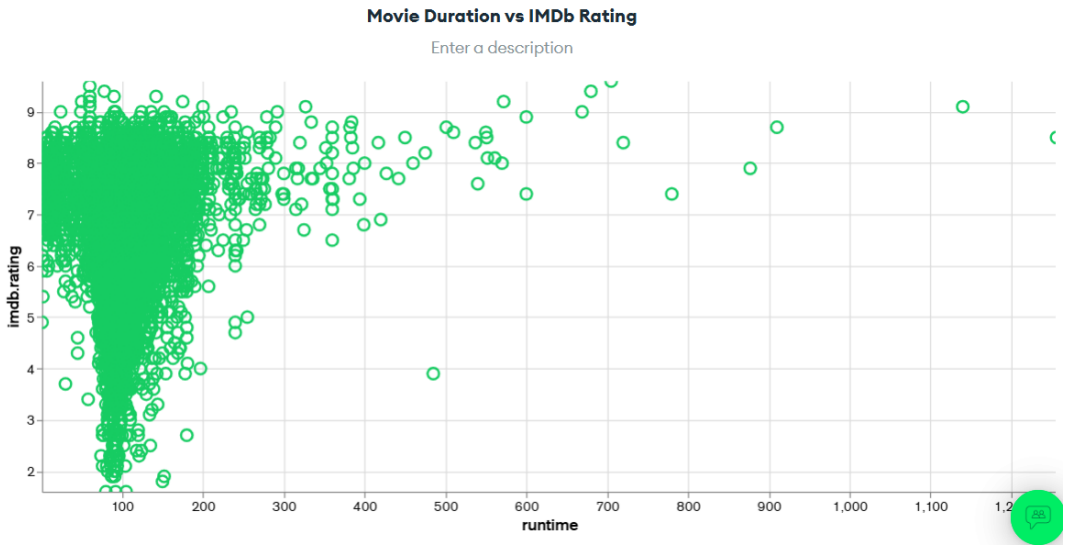


5. Scatter Plot - Movie Duration vs IMDb Rating

Objective: Analyze the relationship between movie runtime and IMDb rating.

Analysis:

- Helps identify whether longer movies tend to have higher ratings.
- Detects outliers (e.g., extremely short or long movies with unusual ratings).

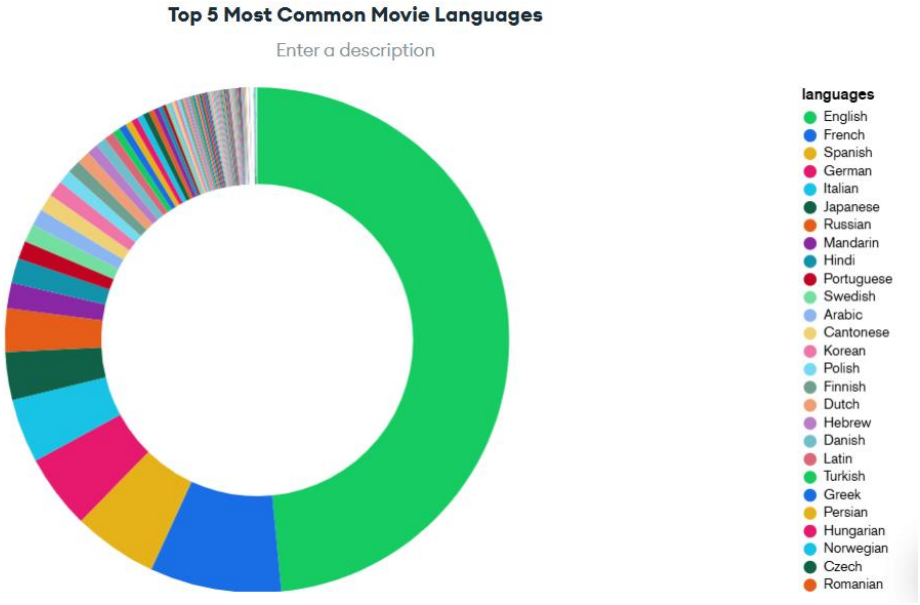


6. Donut Chart - Top 5 Most Common Movie Languages

Objective: Show the most frequently used languages in movies.

Analysis:

- The chart will show which 5 languages appear most frequently in the dataset.
- Helps analyze language diversity in movies.

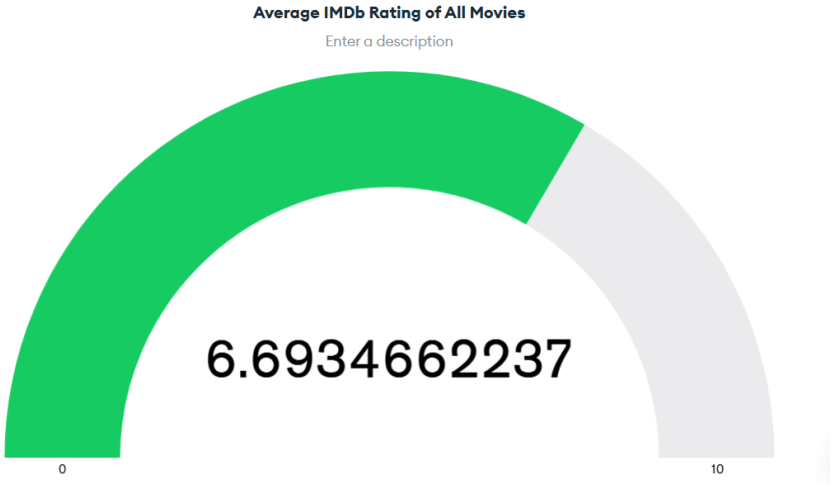


7. Gauge Chart - Average IMDb Rating of All Movies

Objective: Display the average IMDb rating across all movies in the dataset.

Analysis:

- Provides a quick snapshot of the overall movie rating quality.
- Helps understand whether the dataset consists of mostly high-rated or low-rated movies.

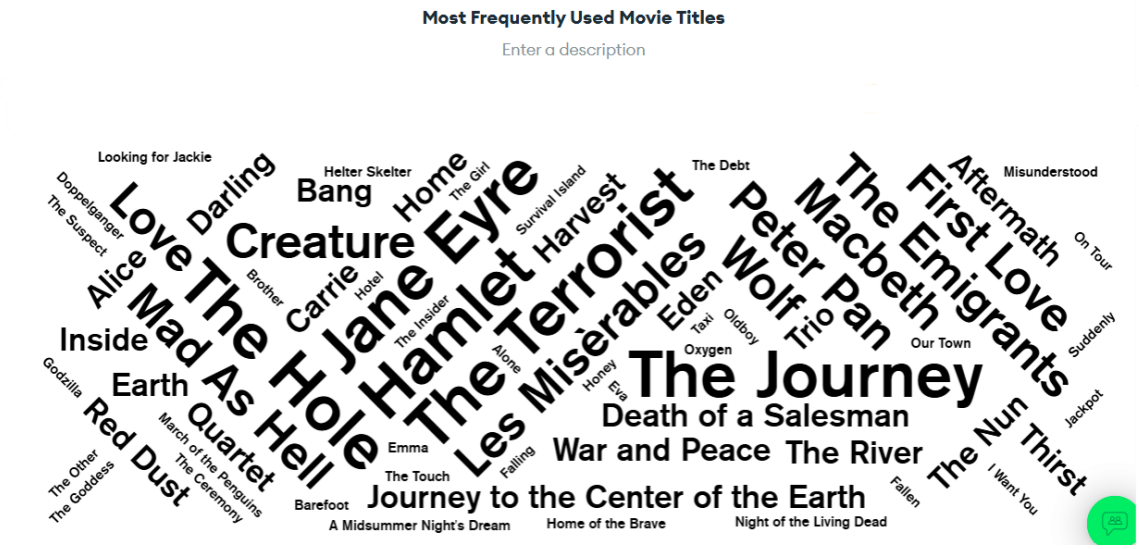


8. Word Cloud - Most Frequently Used Movie Titles

Objective: Show the most commonly occurring words in movie titles.

Analysis:

- Identifies trending words in movie titles.
- Helps recognize common themes or keywords in movie names.

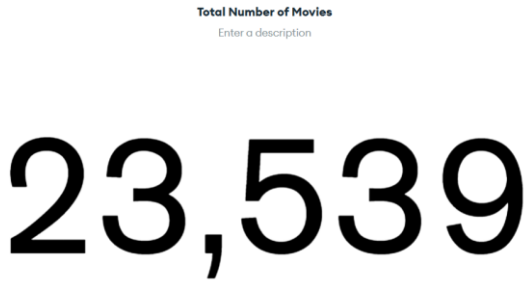


9. KPI Card - Total Number of Movies

Objective: Display the total number of movies in the dataset.

Analysis:

- Provides a quick summary of how many movies are in the dataset.
- Useful for high-level reporting and dashboard insights.



10. KPI Card - Top Rated Movie

Objective: Display the highest-rated movie in the dataset.

Analysis:

- Highlights the best-rated movie in the dataset.
- Useful for quick reference and comparisons.

Top Rated Movie

Enter a description

title

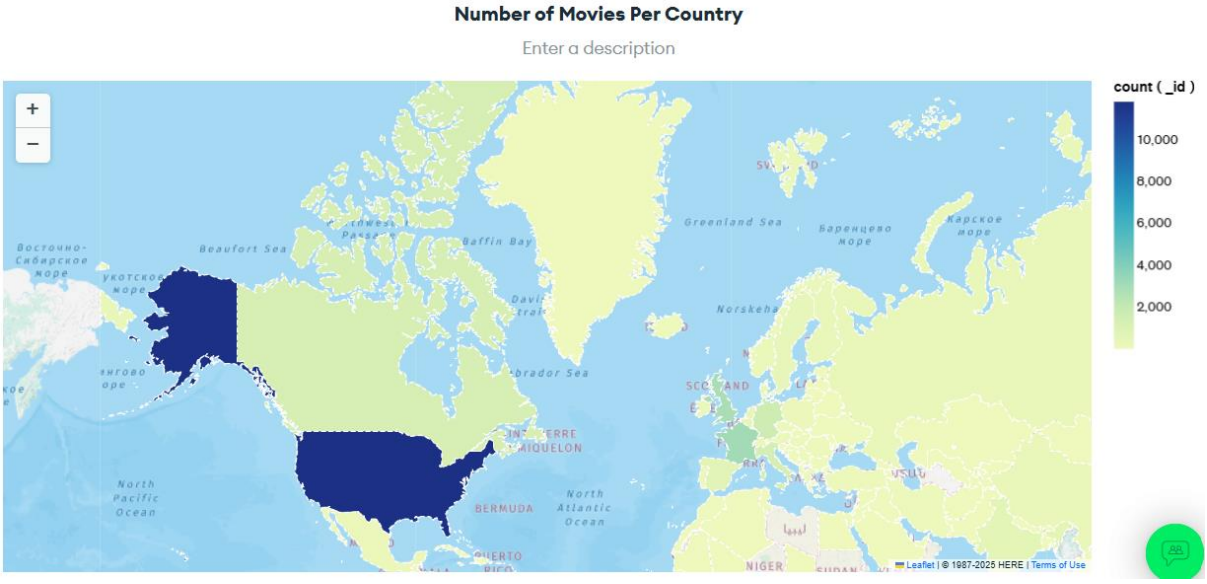
Right Now, Wrong Then

11. Geo Choropleth Map - Number of Movies Per Country

Objective: Show the number of movies produced in each country on a world map.

Analysis:

- Identifies which countries produce the most movies.
- Helps analyze global movie production trends.

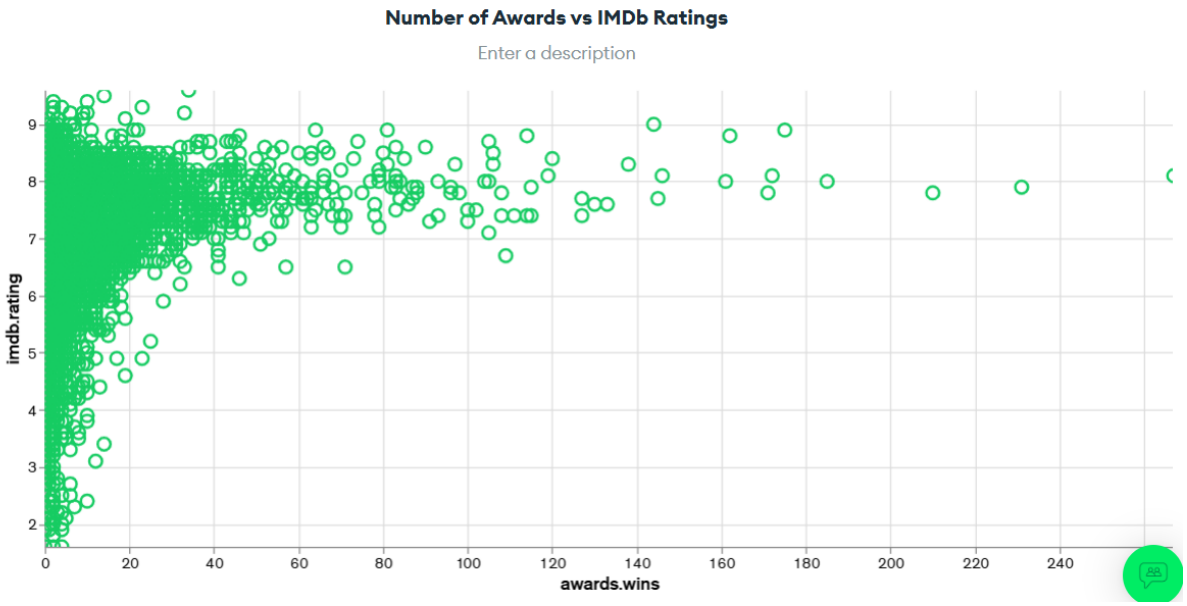


12. Scatter Plot - Number of Awards vs IMDb Ratings

Objective: Analyze the relationship between the number of awards won and IMDb ratings to see if award-winning movies tend to have higher ratings.

Analysis:

- Helps identify if movies with more awards tend to have higher ratings.
- Highlights outliers, such as movies with high awards but low IMDb ratings (or vice versa).

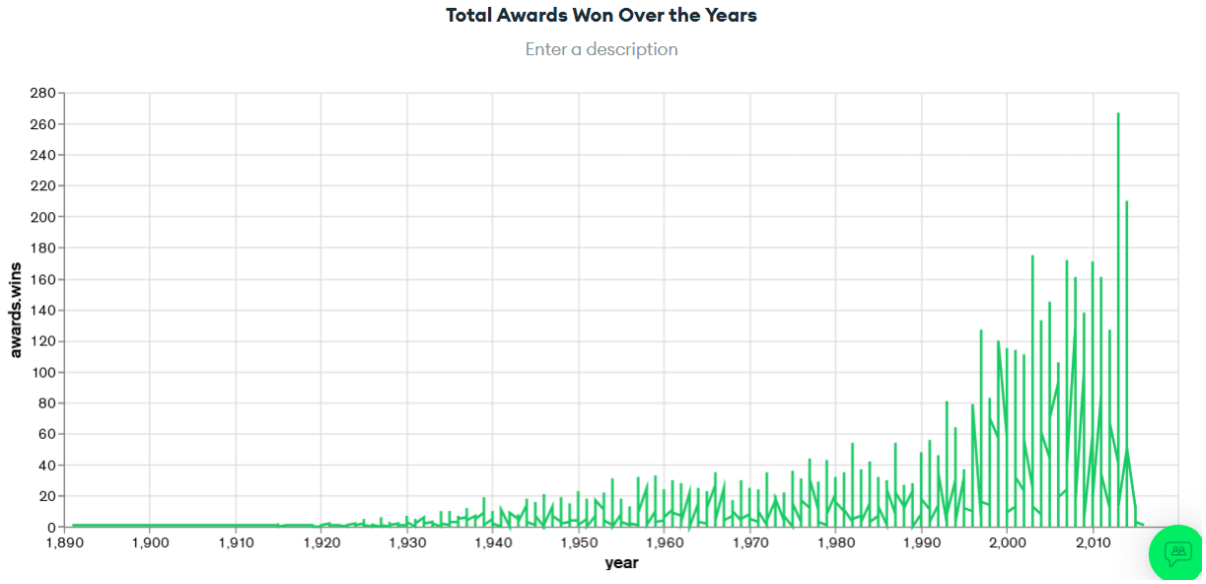


13. Continuous Line Chart - Total Awards Won Over the Years

Objective: Show how the total number of awards won by movies has changed over time.

Analysis:

- Helps identify which years had the most critically acclaimed movies.
- Shows trends in award-winning films over time.

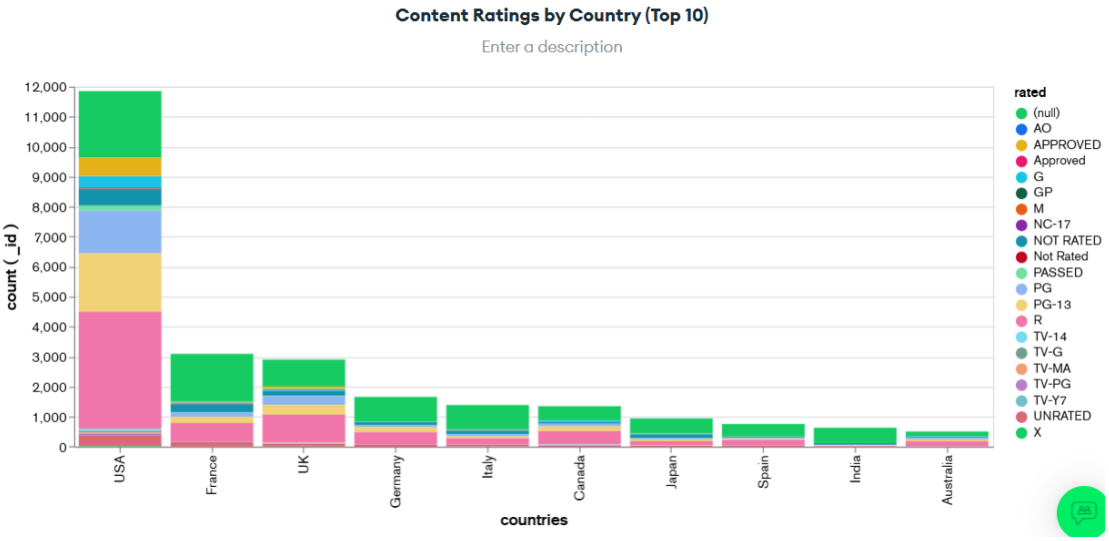


14. Stacked Column Chart - Content Ratings by Country (Top 10)

Objective: Show how different content ratings (G, PG, R, etc.) are distributed across the Top 10 movie-producing countries.

Analysis:

- Shows which countries produce the most movies and their content rating distribution.
- Helps compare which regions create more family-friendly vs. mature content.

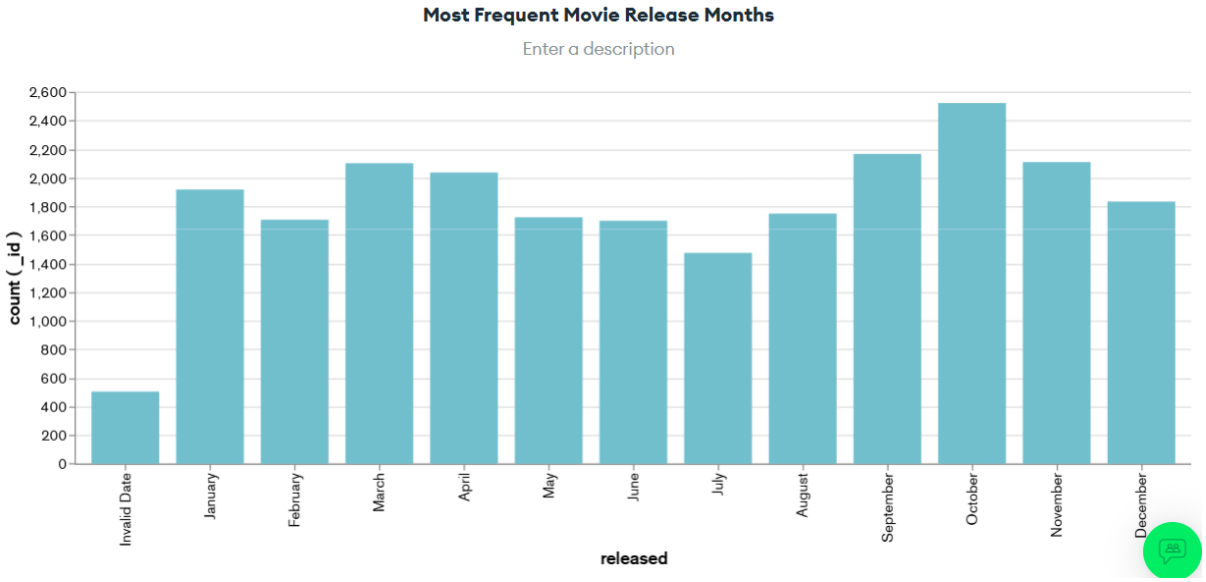


15. Grouped Column Chart - Most Frequent Movie Release Months

Objective: Analyze the seasonal trends in movie releases by identifying which months have the highest number of movie premieres.

Analysis:

- Shows which months have the highest movie releases.
- Helps detect seasonal patterns in movie production.



16. KPI Card - Most Common Movie Genre

Objective: Identify the most frequently occurring movie genre in the dataset to understand the dominant category of films produced.

Analysis:

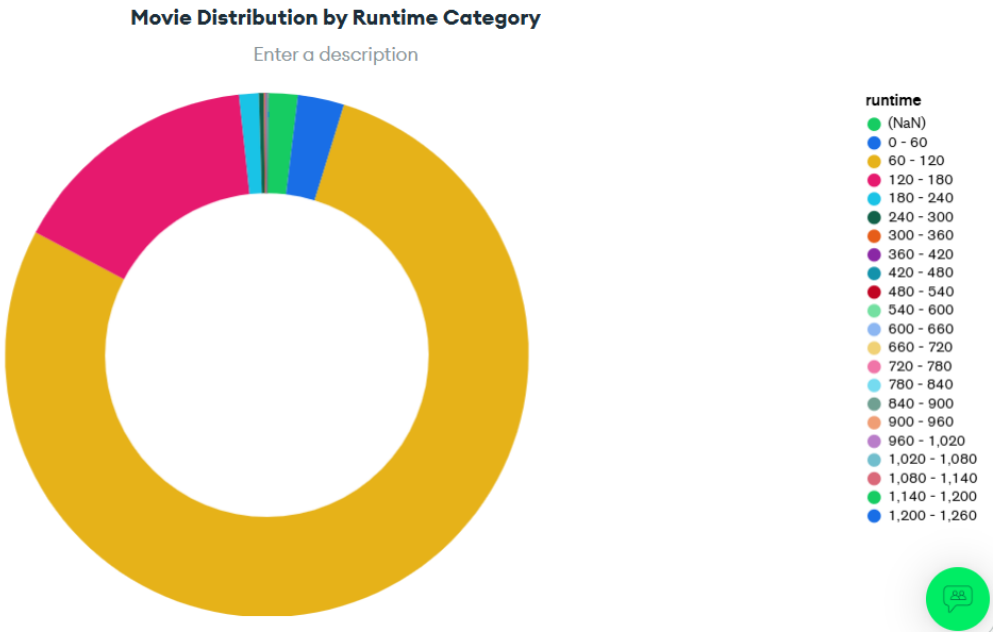
- Instantly shows which genre appears the most in the dataset.
- Useful for quick decision-making on dominant genres.

17. Donut Chart - Movie Distribution by Runtime Category

Objective: Analyze how movies are distributed based on their runtime length, helping identify common film durations.

Analysis:

- Shows how common short, medium, and long movies are in the dataset.
- Helps identify whether the industry leans toward shorter or longer movies.
- Useful for understanding audience preferences for movie lengths.



18. Table - Top 10 Directors, Their Movies, and Awards Won

Objective: Identify the top 10 most prolific directors based on the number of movies they directed and the total awards won.

Analysis:

- Highlights directors with the most movies and awards.
- Helps identify which directors dominate the industry.
- Useful for tracking career success and trends in filmmaking.

Top 10 Directors: Movies & Awards Won

Enter a description

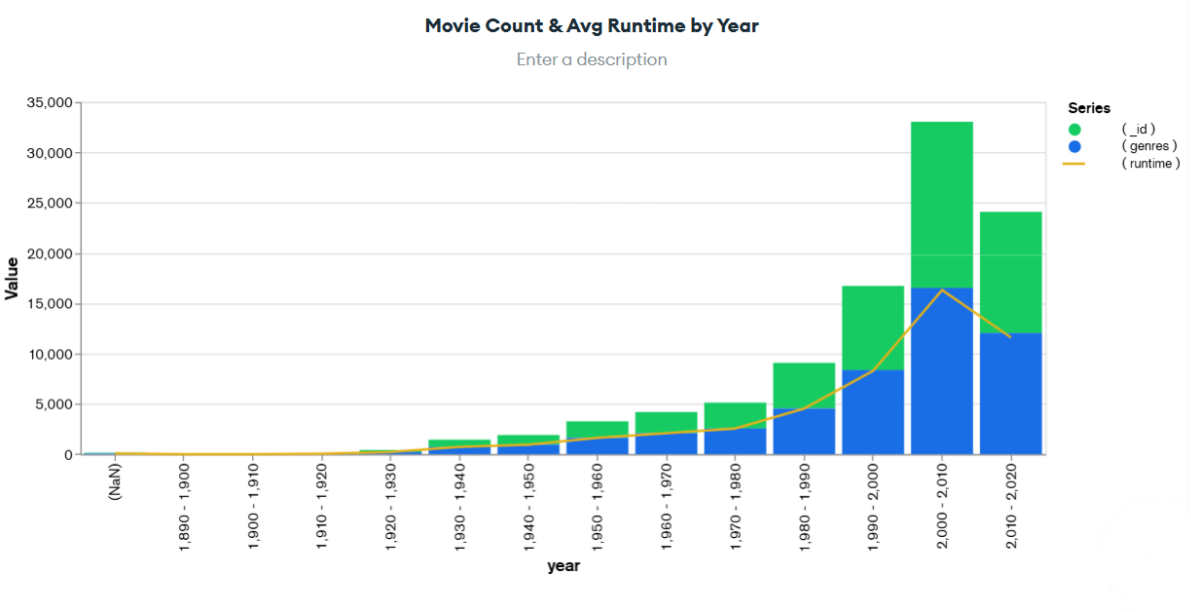
directors	count (_id)	sum (awards....
A. Dean Bell	1	2
A. Karunakaran	1	0
A. Vanichkin	1	1
A.J. Edwards	1	0
A.R. Murugadoss	4	16
A.S. Ravindra Babu	1	0
A.W. Vidmer	1	3
AJ Schnack	3	2
Total	**16**	**46**

19. Stacked Combo Chart - Movie Count & Avg Runtime by Year

Objective: Compare the number of movies released each year with their average runtime, using a stacked bar + line chart combination.

Analysis:

- The stacked bars show the yearly movie production trend, highlighting genre contributions.
- The line chart tracks how average movie runtimes have changed over time, revealing shifts in filmmaking duration preferences.

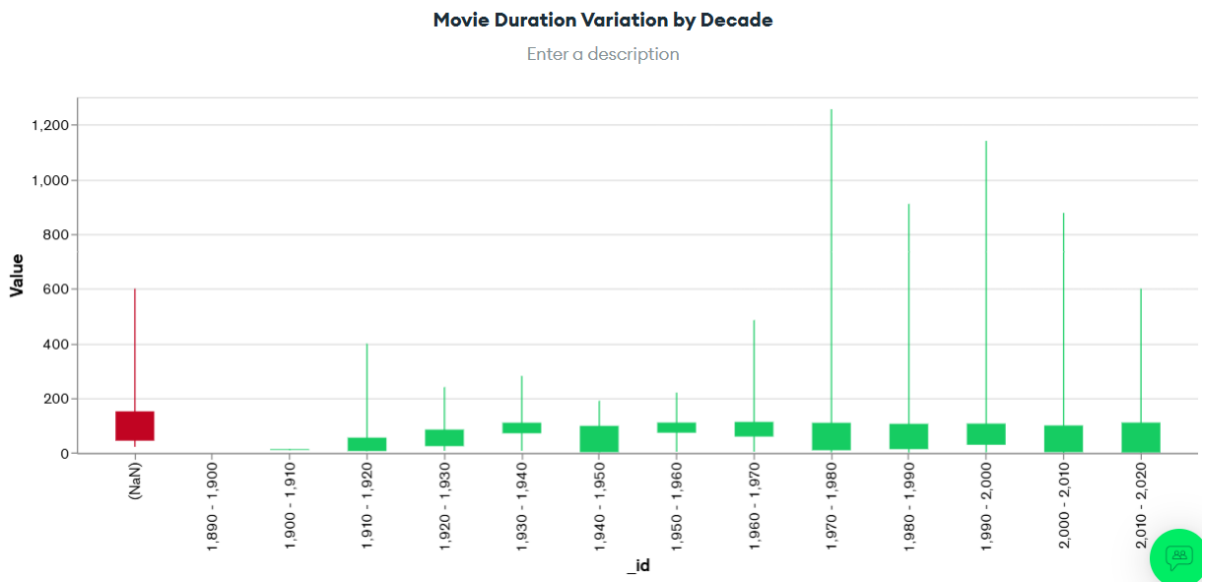


20. Candlestick Chart - Movie Duration Variation by Decade

Objective: Track the variation in movie durations over time, highlighting the shortest, longest, and average runtimes per year.

Analysis:

This chart shows movie runtime variations by decade, highlighting the shortest, longest, and average durations. Green and red markers indicate runtime trends over time.


Movie Duration Variation by Decade
Enter a description
Value
1,200
1,000
800
600
400
200
0
(NaN)
1,890 - 1,900
1,900 - 1,910
1,910 - 1,920
1,920 - 1,930
1,930 - 1,940
1,940 - 1,950
1,950 - 1,960
1,960 - 1,970
1,970 - 1,980
1,980 - 1,990
1,990 - 2,000
2,000 - 2,010
2,010 - 2,020
_id