



IMDb Data Analysis

130bn

Total Box Office Sales

5261

Total Unique Movies & Games

5785

Total Number of Directors

21.03K

Total Number of Actors

104

Median Runtime

Title, Plot

All

Year

All

Genre

All

IMDB Rating Level

All

Content Rating

All

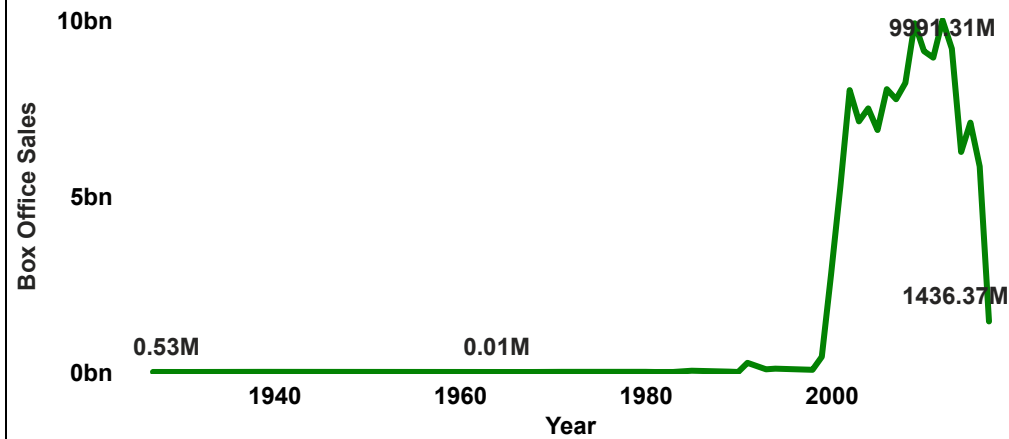
Language

All

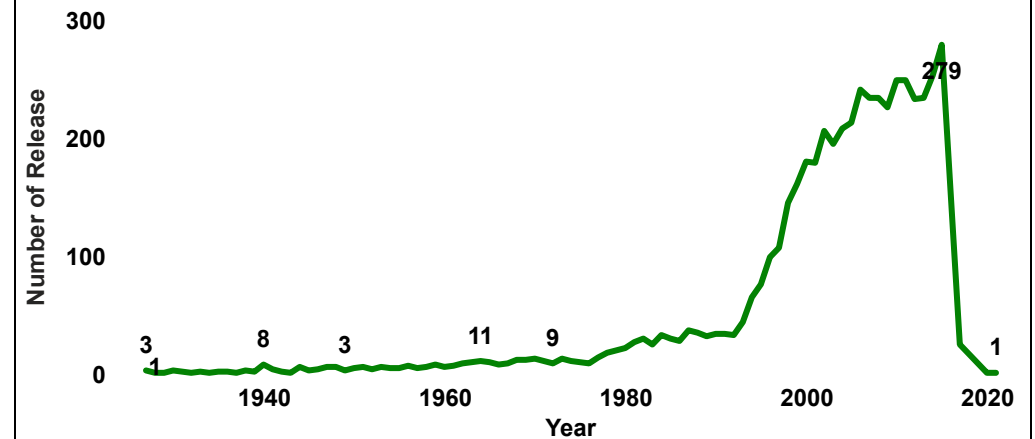
Country

All

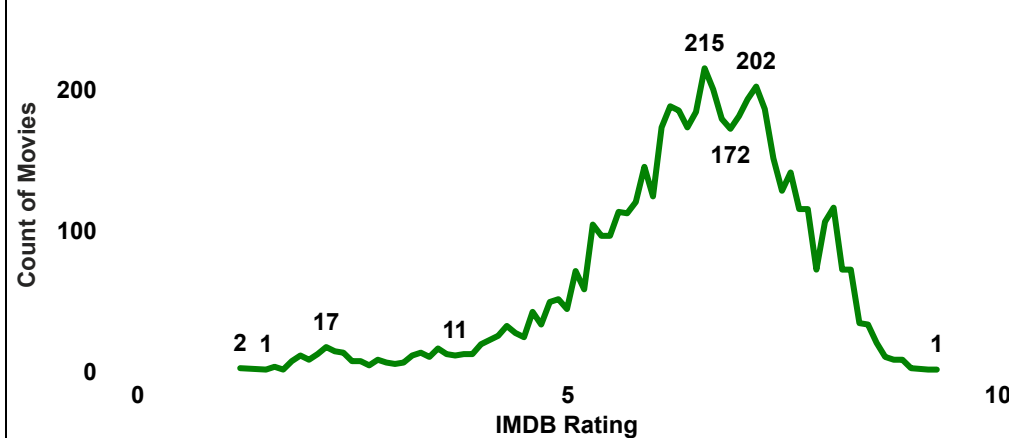
Box Office Sales Over Year



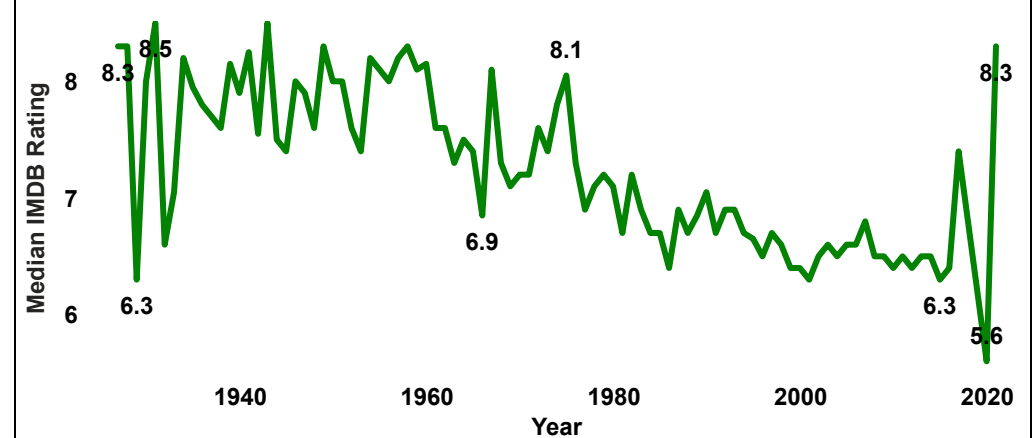
Number of Release Over Year

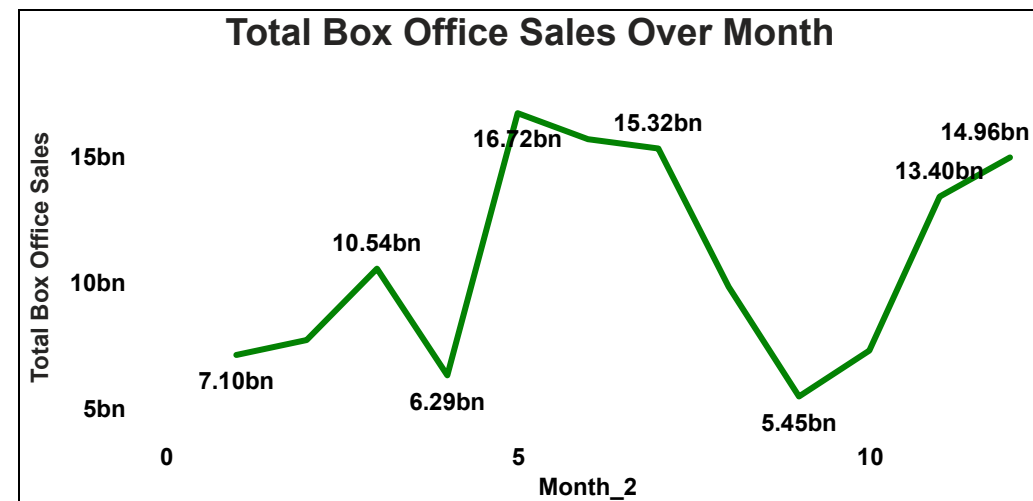
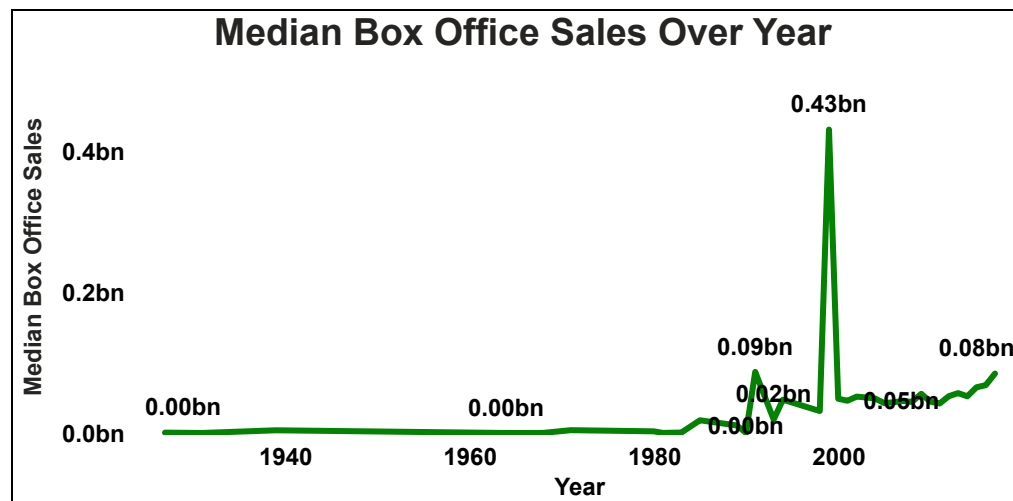
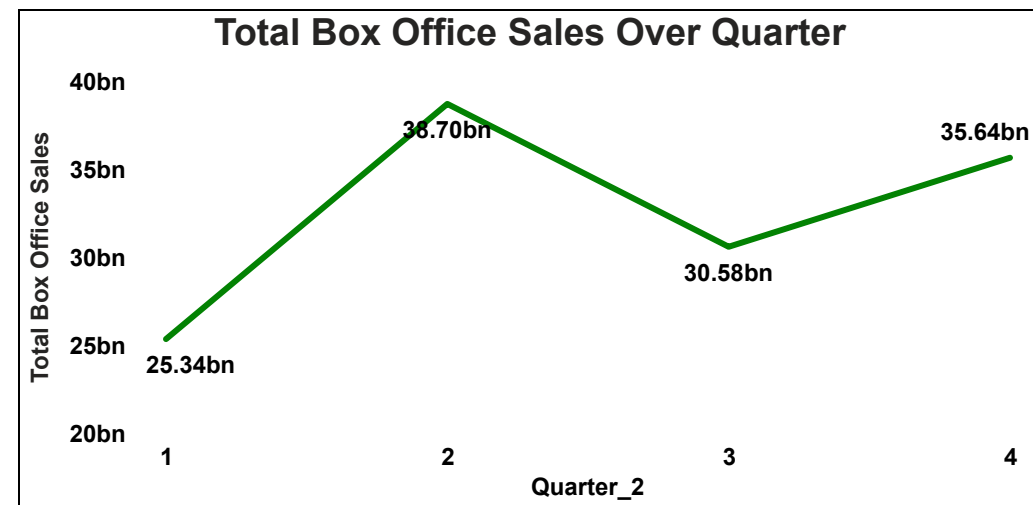
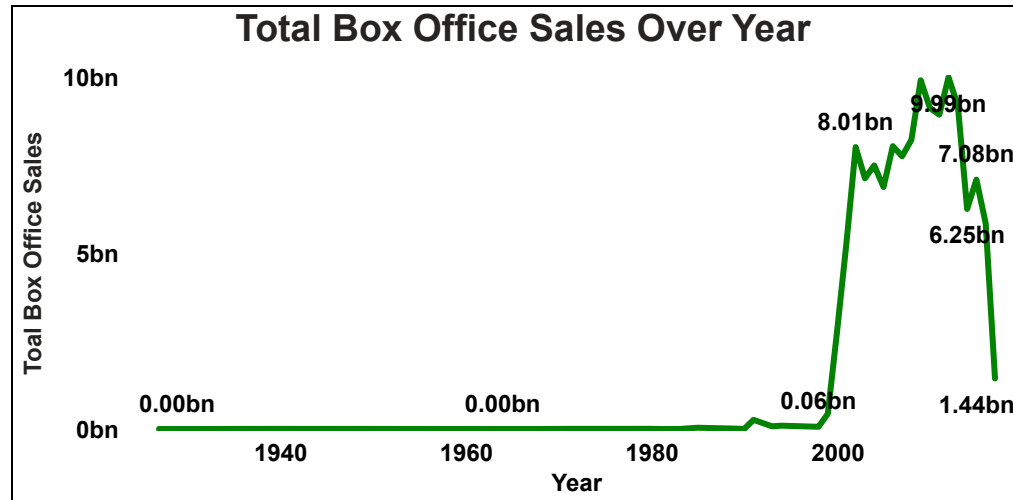
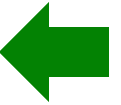


IMDB Rating Distribution



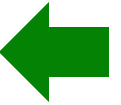
Median IMDB Rating Over Year



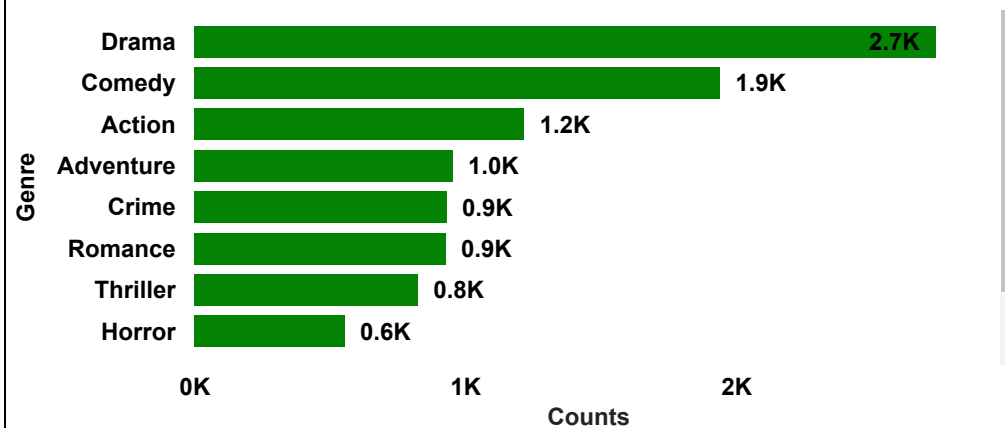


Summary:

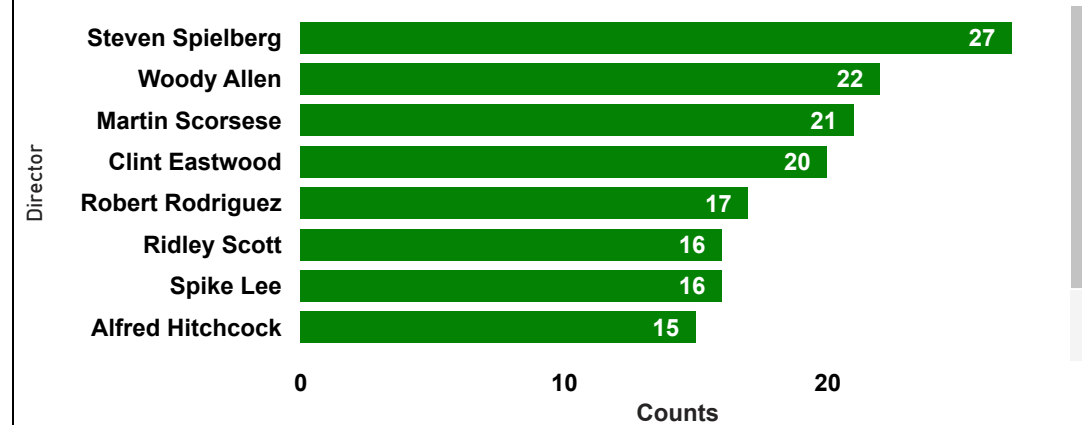
- The number of release followed a similar trend as Box Office.
- The rapid increase of Box Office between 2000 and 2015 could be possibly due to a higher number of release in the same time period.
- The distribution of IMDB rating is right-skewed but there are more high-rated movies in the past.
- Box Office sales were higher during Summer (May, June, July) and Holiday Season (Nov, Dec).
- Year 1999 has the highest median Box Office which could be possibly due to some movies at phenomenal level.



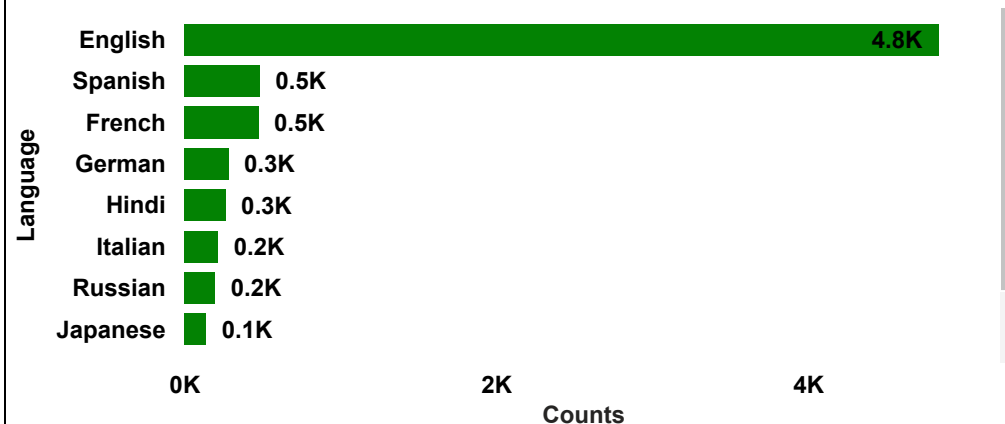
Top 10 Genres



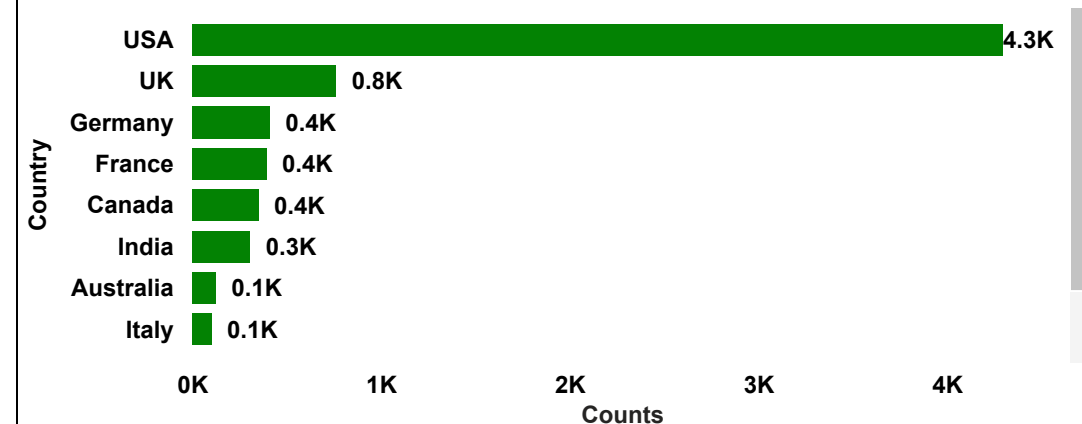
Top 10 Directors



Top 10 Languages

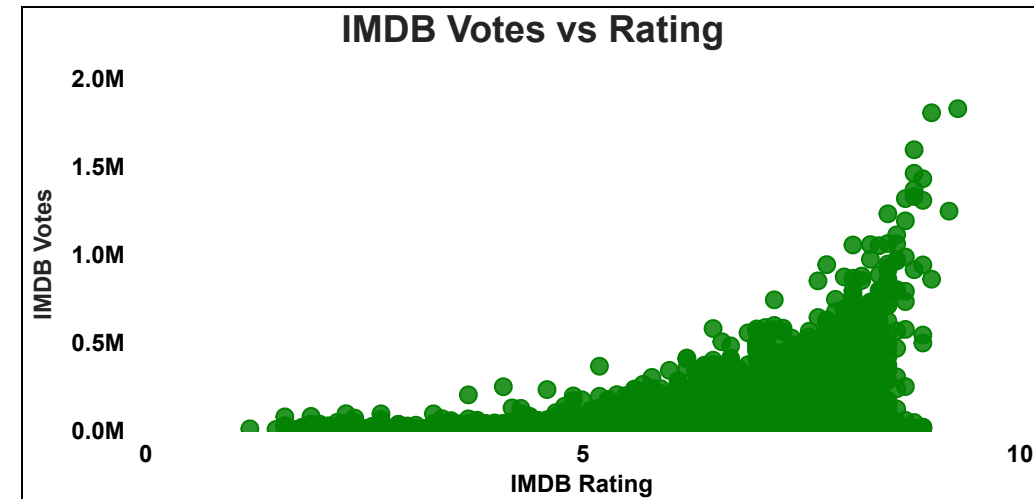
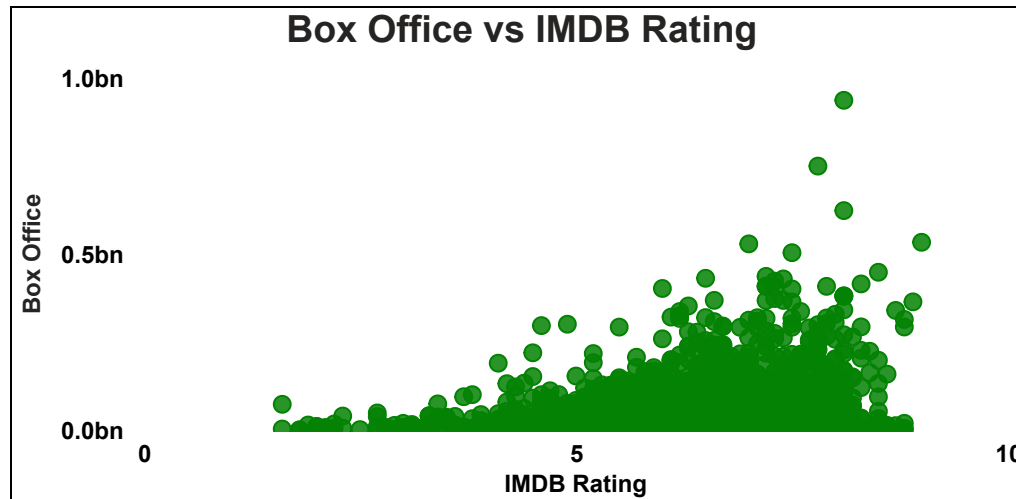
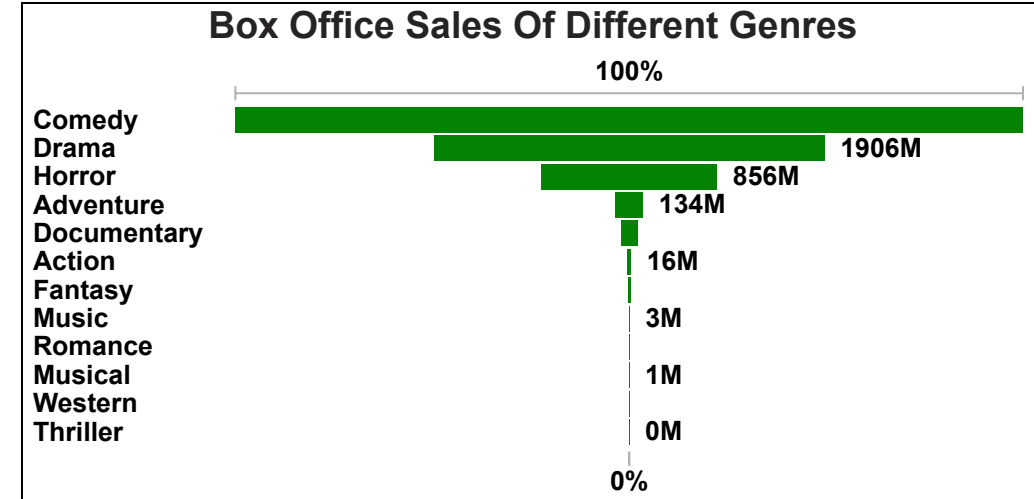
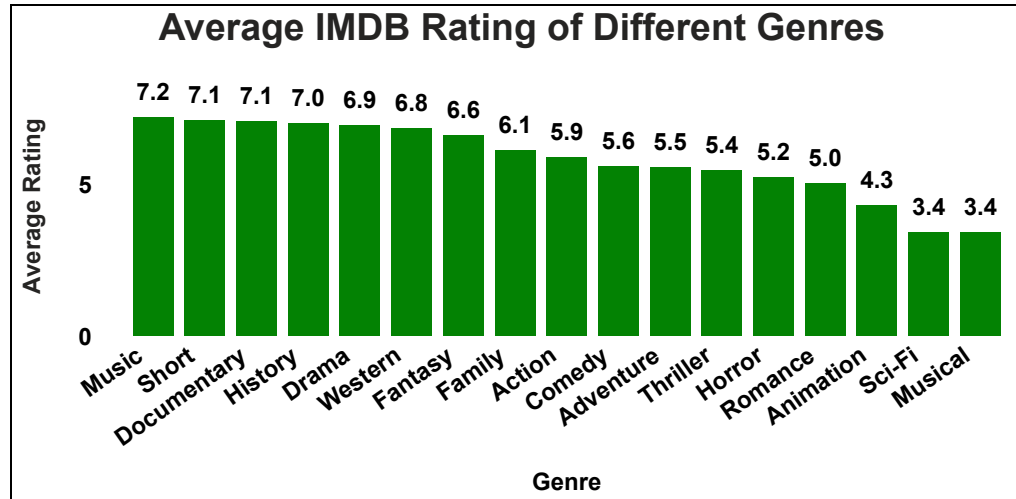
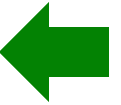


Top 10 Countries



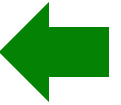
Summary:

- Counts (the number of movies) at various dimensions are measured such as Genres, Languages, Countries, Directors.
- There are 25 distinct genres. Top 5 Genres which have the highest counts include Drama, Comedy, Action, Adventure, Crime.
- There are 150 distinct languages. Top 5 Languages which have the highest counts include English, Spanish, French, German, Hindi.
- There are 99 distinct countries. Top 5 Countries which have the highest counts include USA, UK, Germany, France, Canada.
- There are around 3000 directors involved. Top 5 directors who have the highest counts include Steven Spielberg, Woody Allen, Martin Scorsese, Clint Eastwood, Robert Rodriguez. These are the most active directors.

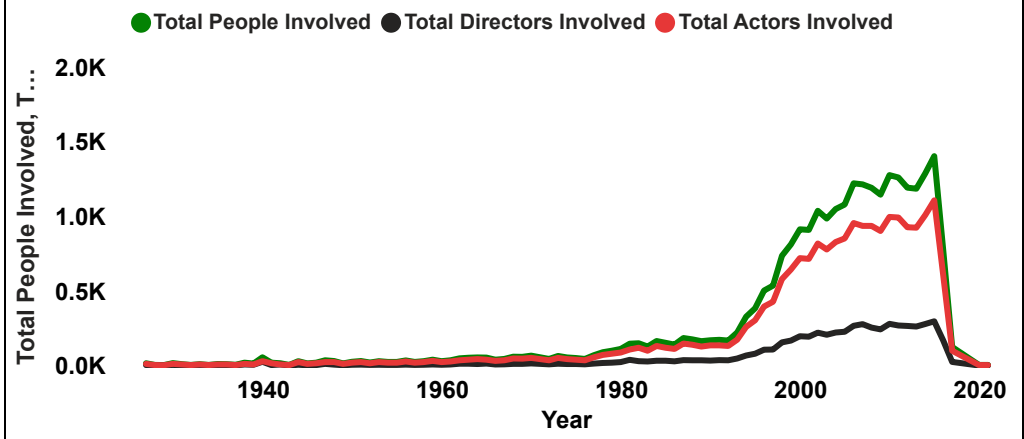


Summary:

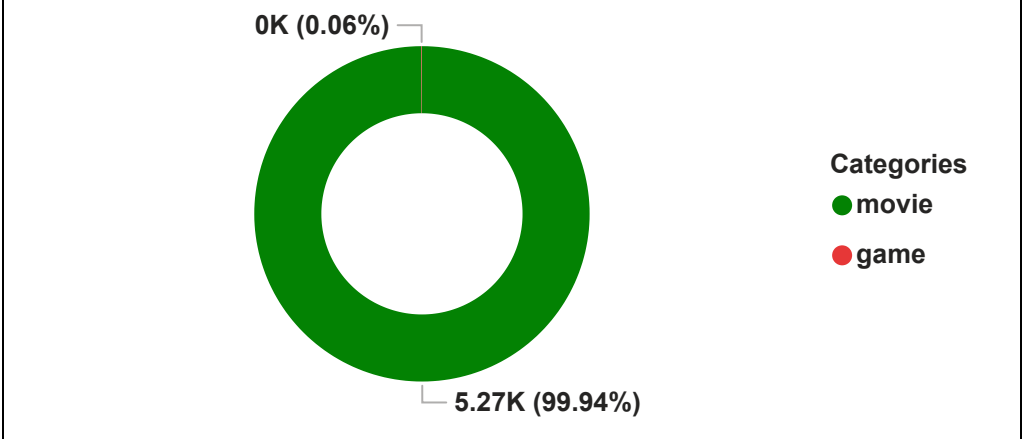
- Music, Short, Documentary, History and Drama are the Top 5 genres which have the highest average IMDB rating.
- Comedy, Drama, Horror, Adventure and Documentary are Top 5 genres which have the highest Box Office sales.
- A higher IMDB rating slightly correlates to a higher Box Office. Correlation is 0.17 which is not strong enough.
- A higher IMDB rating slightly correlates to a higher number of votes. Correlation is 0.38 which is not strong enough.



People Involved Over Year



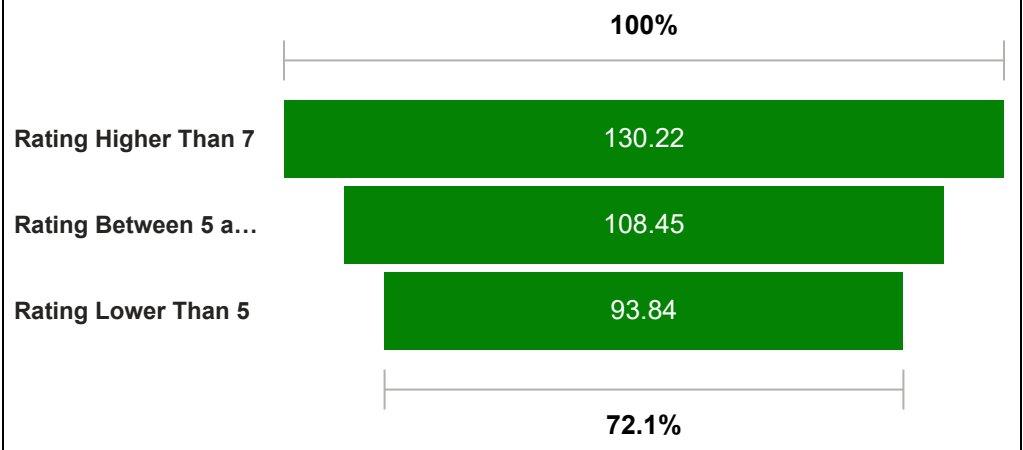
Category



Top 10 Rated Movies

Movie Title	IMDB Rating
The Shawshank Redemption	9.30
The Godfather	9.20
The Dark Knight	9.00
The Godfather: Part II	9.00
12 Angry Men	8.90
Anand	8.90
Anbe Sivam	8.90
Drishyam	8.90
Pulp Fiction	8.90
Schindler's List	8.90
The Good, the Bad and the Ugly	8.90

Average Runtime Over Rating Level



Summary:

- Movie Industry was really booming between Year 2000 and 2015. More people, more movies and more sales in this time period.
- The impact of Game data can be ignored since it is only a small fraction of the total.
- Top 10 Rated Movies such as The Shawshank Redemption, The God father are movies which all above rating 8.9.
- A higher rating (>7) associates with a longer runtime in general.