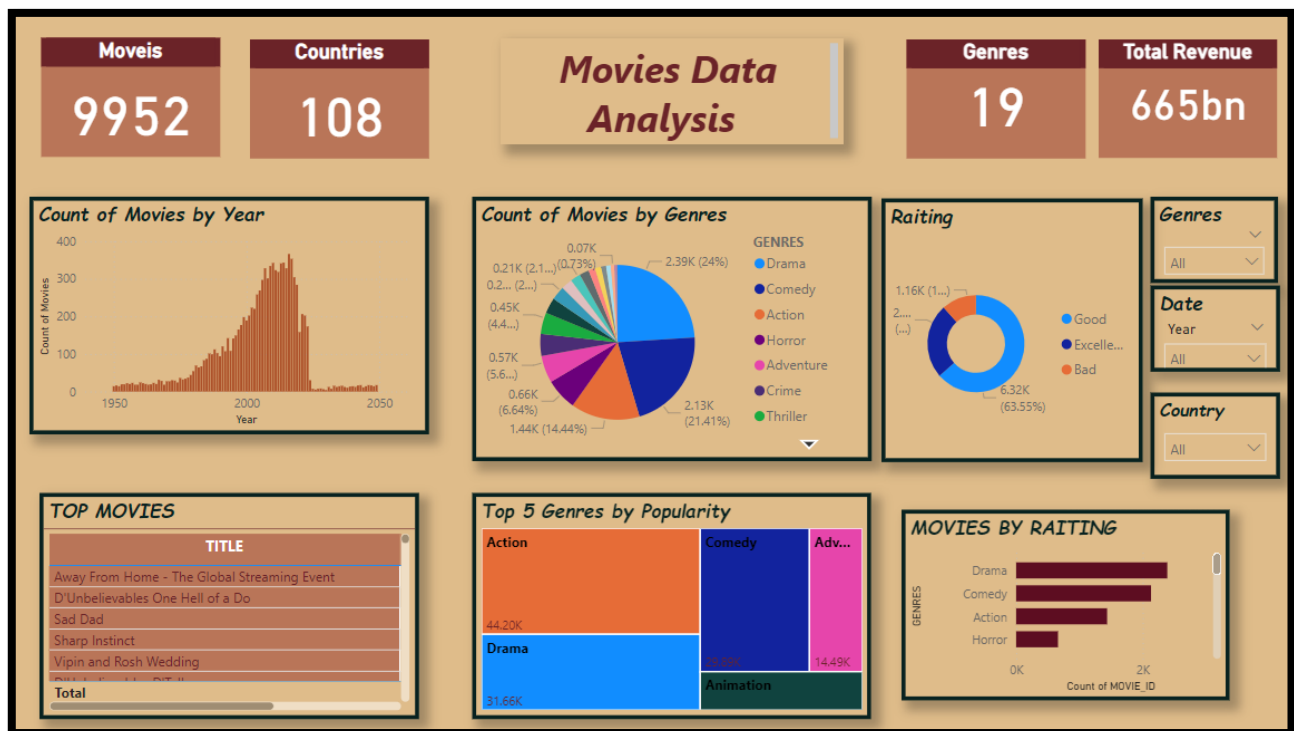


Movies Data Analysis

In this report, I will answer a set of questions such as: the most popular genres, the countries that produce the most films, and the relationship between ratings and revenues to help me understand the film industry and audience preferences. The goal of this report is to simplify the information and provide useful insights for filmmakers and interested audiences.

Dashboard:



Questions

- How many movies were released each year?
- What is the most common genre of movies?
- What are the top five highest-rated movies, and what are their ratings?
- What are the top 10 countries producing the most movies?
- Which movies have the highest average votes for each genre?
- Which countries produce the most "excellent" movies?
- Which movies have high revenues despite being rated "bad"?
- What is the average difference between revenues and budgets for each genre?
- Which original language has the highest average rating?
- What are the most popular release dates with the highest revenues in India, and how many movies were released on those dates?
- What are the most popular movies that did not generate high revenues?
- What is the most popular genre?
- Rank the top 10 "excellent" movies by their revenues.

How many movies were released each year?

```
select EXTRACT(year from release_date) RELEASE_YEAR,  
count( movie_id) Movies  
from movies  
group by EXTRACT(year from release_date)  
ORDER BY release_year DESC ;
```

	RELEASE_YEAR	MOVIES
1	2024	25
2	2023	172
3	2022	201
4	2021	204
5	2020	156
6	2019	283
7	2018	302

What is the most common genre of movies?

```
select genres,count(movie_id)genres_count  
from movies  
group by genres  
order by genres_count desc;
```

	GENRES	GENRES_COUNT
1	Drama	2388
2	Comedy	2131
3	Action	1437
4	Horror	661
5	Adventure	565
6	Crime	457
7	Thriller	445
8	Animation	324
9	Romance	292

What are the top five highest-rated movies, their ratings, and their release years?

```
select title, EXTRACT(YEAR FROM RELEASE_DATE)YEAR,  
vote_average RATE  
from movies  
order by vote_average DESC  
FETCH FIRST 5 ROWS ONLY;
```

	TITLE	YEAR	RATE
1	Away From Home - The Global Streaming Event	2021	9.8
2	Vipin and Rosh Wedding	2012	9.5
3	Sad Dad	2017	9.5
4	Sharp Instinct	2023	9.5
5	D'Unbelievables One Hell of a Do	2011	9.5

What are the top 10 countries producing the most movies?

```
select production_countries "Country", count(movie_id)Movies
from movies
group by production_countries
order by movies desc
FETCH FIRST 10 ROWS ONLY;
```

	Country	MOVIES
1	United States of America	5317
2	India	642
3	United Kingdom	620
4	France	476
5	Canada	421
6	Germany	283
7	Russia	194
8	Australia	173
9	Japan	162
10	China	156

Which movies have the highest average votes for each genre?

```
SELECT genres,round(AVG(vote_average),2) Avg_Rate
FROM movies
GROUP BY genres
ORDER BY avg_rate DESC;
```

	GENRES	AVG_RATE
1	War	6.5
2	Western	6.4
3	Crime	6.38
4	History	6.36
5	Adventure	6.33

Which countries produce the most "excellent" movies?

```
select production_countries "Country",Raiting,
count(movie_id)Movies
from movies
Group by production_countries, Raiting
HAVING RAITING = 'Excellent'
order by movies desc
```

	Country	RAITING	MOVIES
1	United States of America	Excellent	1232
2	United Kingdom	Excellent	191
3	India	Excellent	173
4	France	Excellent	147
5	Canada	Excellent	77
6	Germany	Excellent	74
7	Japan	Excellent	72

Which movies have high revenues despite being rated "Bad"?

```
select title,vote_average, rating,TO_CHAR(revenue, '999,999,999')Revenue
from movies
WHERE rating = 'Bad' AND vote_average >0
ORDER BY REVENUE DESC;
```

⚡	TITLE	⚡	VOTE_AVERAGE	⚡	RAITING	⚡	REVENUE
1	The Last Airbender		4.6	Bad		319,713,881	
2	Batman & Robin		4.3	Bad		238,207,122	
3	Fantastic Four		4.4	Bad		167,977,596	
4	Speed 2: Cruise Control		4.5	Bad		164,508,066	
5	Jack and Jill		4.3	Bad		149,673,788	
6	Inspector Gadget		4.4	Bad		134,400,000	
7	Nutty Professor II: The Klumps		4.9	Bad		123,307,945	
8	The Devil Inside		4.7	Bad		101,758,490	

What is the average difference between revenues and budgets for each genre?

```
select genres, ROUND(AVG(revenue - budget), 2)avgerage
from movies
group by genres
having avg(revenue-budget) > 0;
```

⚡	GENRES	⚡	AVGERAGE
1	Comedy		28626947.17
2	Crime		21265478.75
3	Drama		20601872.31
4	Action		70273372.76
5	Music		28639521.13
6	Horror		30706738.04
7	Animation		108903397.18

Which original language has the highest average rating?

```
select original_language,max(vote_average) Average
from movies
group by original_language
ORDER BY AVERAGE DESC
FETCH FIRST 1 ROWS ONLY ;
```

⚡	ORIGINAL_LANGUAGE	⚡	AVERAGE
1	en		9.8

What are the most popular release dates with the highest revenues in India, and how many movies were released on those dates?

```
select TO_CHAR(release_date, 'Month')Month ,
TO_CHAR(MAX(revenue), '999,999,999,99')Revenues,
COUNT(MOVIE_ID) MOVIES
from movies
WHERE PRODUCTION_COUNTRIES = 'India'
group by TO_CHAR(release_date, 'Month')
ORDER BY REVENUES DESC
```

MONTH	REVENUES	MOVIES
1 December	3,946,382,58	54
2 April	2,759,473,13	51
3 November	2,752,934,50	46
4 June	1,952,434,11	50

What are the most popular movies that did not generate high revenues?

```
SELECT title, popularity, revenue
FROM movies
WHERE popularity > (SELECT AVG(popularity) FROM movies)
AND revenue < (SELECT AVG(revenue) FROM movies)
ORDER BY popularity DESC;
```

TITLE	POPULARITY	REVENUE
1 Retribution	1547.22	12905464
2 Saw X	949.967	29300000
3 Expend4bles	484.627	15000000
4 After Everything	474.472	3280152
5 Strays	419.527	32000000
6 Adipurush	349.287	43000000
7 Ruby Gillman, Teenage Kraken	321.777	43716515

What is the most popular genre?

```
select genres,max( popularity) popularity
from movies
group by genres
order BY popularity desc
FETCH FIRST 1 ROWS ONLY;
```

GENRES	POPULARITY
1 Action	2994.357

Rank the top 10 "excellent" movies by their revenues.

```
select rank()over (order by revenue desc)"Rank", title ,  
TO_CHAR(revenue, '999,999,999,999')Revenue  
from movies  
where rating = 'Excellent'  
FETCH FIRST 10 ROW ONLY ;
```

Rank	TITLE	REVENUE
1	Avatar	2,923,706,026
2	Avengers: Endgame	2,800,000,000
3	Avatar: The Way of Water	2,320,250,281
4	Titanic	2,264,162,353
5	Star Wars: The Force Awakens	2,068,223,624
6	Avengers: Infinity War	2,052,415,039
7	Spider-Man: No Way Home	1,921,847,111
8	The Lion King	1,663,075,401
9	The Avengers	1,518,815,515