

## **RSVP Movies: Indian Film Production Company**

This comprehensive IMDb analysis provides in-depth strategic insights for **RSVP Movies**, focusing on multiple dimensions of the film industry. By examining production houses, genres, actors, and directors, the analysis identifies patterns of success, audience preferences, and creative strengths. These insights not only highlight which collaborations, genres, and talents have historically performed well but also provide a data-driven foundation to guide RSVP Movies in making smarter, future-oriented decisions. The study aims to support the company in selecting promising production partners, casting choices, and directorial talent, ultimately helping RSVP Movies to maximize audience reach, critical acclaim, and commercial success in upcoming projects.

### **Step 1 – Checking All Tables**

I checked all the tables to confirm the row counts, and here are the results:

- director\_mapping – 3,867 rows
- genre – 14,662 rows
- movie – 7,997 rows
- names – 25,735 rows
- ratings – 79,997 rows
- role\_mapping – 15,615 rows

### **Step 2 – Data Cleaning (Duplicate & Null Values)**

- Checked for duplicate values → No duplicates found (0 duplicates).
- Checked for null values → Found the following:
  - country – 20 null values
  - worldwide\_gross\_income – 3,724 null values
  - language – 194 null values
  - production\_company – 528 null values

### **Step 3 – Year-wise Movie Count**

I calculated how many movies were released each year. The output was:

Year	Relse_movie_count
2017	3052
2018	2944
2019	2001

After this, I checked the month-wise movie count and then calculated the number of movies produced by the USA and India. I found the following results:

- **The USA produced a total of 2,863 movies.**

- **India produced a total of 1,068 movies.**

**Step 4** – I checked how many movies were produced by the USA and India in the year 2019. Together, both countries produced a total of 1,059 movies in 2019.

**Step 5** – I explored the different types of genres present in the dataset and found the following:  
*Mystery, Others, Romance, Sci-Fi, Thriller, Action, Adventure, Comedy, Crime, Drama, Family, Fantasy, Horror*

**Step 6** – I checked which genres had the highest number of movies. The **Top 3 genres** are:

- **Drama** – 4,285 movies
- **Comedy** – 2,412 movies
- **Thriller** – 1,484 movies

Among these, **Drama** has the highest number of movies.

**Step 7** – I checked how many movies belong to **only one genre** and found that **3,289 movies** are single-genre movies.

**Step 8** – I calculated the **average duration of movies by genre**:

genre	avg_duration
Drama	106.77
Fantasy	105.14
Thriller	101.58
Comedy	102.62
Horror	92.72
Family	100.97
Romance	109.53
Adventure	101.87
Action	112.88
Sci-Fi	97.94
Crime	107.05
Mystery	101.8
Others	100.16

**Step 9** – I calculated the **rank of Thriller movies based on movie count**.

Thriller movies are at the **3rd rank** with a total of **1,484 movies**.

genre	Movie_count	Genre_rank
Thriller	1484	3

**Step 10** – I checked the **range of ratings** in the dataset:

min_avg_rating	max_avg_rating	min_total_votes	max_total_votes	min_median_rating	max_median_rating
1	10	100	725138	1	10

**Step 11** – I ranked the **movie titles based on average rating**. The **Top 10 movies** are:

title	avg_rating	movie_rank
Kirket	10	1
Love in Kilnerry	10	2
Gini Helida Kathe	9.8	3
Runam	9.7	4
Fan	9.6	5
Android Kunjappan Version 5.25	9.6	6
Yeh Suhaagraat Impossible	9.5	7
Safe	9.5	8
The Brighton Miracle	9.5	9
Shibu	9.4	10

**Step 12** – I counted the **number of movies based on median rating**:

median_rating	movie_count
1	94
2	119
3	283
4	479
5	985
6	1975
7	2257
8	1030
9	429
10	346

**Step 13** – I extracted the **production houses with movies having an average rating above 8**.

production_company	movie_count	prod_company_rank
Dream Warrior Pictures	3	1
National Theatre Live	3	1

Thus, I found **two companies at Rank 1** – *Dream Warrior Pictures* and *National Theatre Live*.

**Step 14** – I checked **USA movies released in 2017** that received **more than 1,000 votes**. These belonged to **11 different genres**:

genre	movie_count
Drama	16
Comedy	8
Crime	5
Horror	5
Action	4
Sci-Fi	4
Thriller	4
Romance	3
Fantasy	2
Mystery	2
Family	1

**Step 16** – I checked the movies **released between 01/04/2018 and 01/04/2019** with an **average rating above 8**. The total count was **361 movies**.

Next, I analyzed **German-language movies** based on **average votes per movie**. The result showed that German movies received **12,928.44 average votes per movie**.

**Step 17** – I compared **German and Italian-language movies** on the basis of **average votes per movie**:

- **German movies** received an average of **12,928.44 votes per movie**.
- **Italian movies** received an average of **11,960.47 votes per movie**.

**Step 18** – I checked for **null values in the Names dataset**:

Column	Null value
Name	0
Height	17335
Dob	13431

Know_for_movie	15226
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**Step 19** – I extracted the **Top 3 directors (based on movie count)** whose movies had an **average rating above 8**:

Director_name	Movie_count
James Mangold	4
Joe Russo	3
Anthony Russo	3

From this, I found that **James Mangold** directed the highest number of movies with an average rating above 8.

**Step 20** – I identified the **top actors (based on movie count)** but only considered movies with an average rating above 8.

Actor_name	Movie_count
Mammootty	8
Mohanlal	5

**Step 21** – I extracted the Top 3 production houses based on total votes:

production house	Production_company	Prod_comp_rank
Marvel Studios	2656967	1
Twentieth Century Fox	2411163	2
Warner Bros.	2396057	3

From this, it is clear that **Marvel Studios dominates the global film industry**, and since its presence is also in **Mumbai, India**, this is a matter of pride.

**Step 22** – I analyzed **top Indian actors** (with more than 5 movies released in India) and checked their **average rating and votes**. The output was as follows:

actor_name	total_votes	movie_count	actor_avg_rating	actor_rank
Vijay Sethupathi	23114	5	8.42	1
Fahadh Faasil	13557	5	7.99	2
Yogi Babu	8500	11	7.83	3
Joju George	3926	5	7.58	4
Ammy Virk	2504	6	7.55	5
Dileesh Pothan	6235	5	7.52	6

Kunchacko Boban	5628	6	7.48	7
Pankaj Tripathi	40728	5	7.44	8
Rajkummar Rao	42560	6	7.37	9
Dulquer Salmaan	17666	5	7.3	10
Amit Sadh	13355	5	7.21	11
Tovino Thomas	11596	8	7.15	12
Mammooty	12613	8	7.04	13
Nassar	4016	5	7.03	14
Karamjit Anmol	1970	6	6.91	15
Hareesh Kanaran	3196	5	6.58	16
Naseeruddin Shah	12604	5	6.54	17
Anandraj	2750	6	6.54	18
Mohanlal	17622	7	6.47	19
Siddique	5953	7	6.43	20
Aju Varghese	2237	5	6.43	21
Prakash Raj	8548	6	6.37	22
Jimmy Sheirgill	3826	6	6.29	23
Mahesh Achanta	2716	6	6.21	24
Biju Menon	1916	5	6.21	25
Suraj Venjaramoodu	4284	6	6.19	26
Abir Chatterjee	1413	5	5.8	27
Sunny Deol	4594	5	5.71	28
Radha Ravi	1483	5	5.7	29
Prabhu Deva	2044	5	5.68	30
Atul Sharma	9604	5	4.78	31

**Step 23** – I extracted the names of the Top 5 Indian actresses who have acted in more than 3 movies. Along with this, I also checked their votes and average ratings, and applied the condition that their rank should be less than 5.

actress_name	total_votes	movie_count	actress_avg_rating	actress_rank
Taapsee Pannu	18061	3	7.73692	1
Divya Dutta	8579	3	6.8844	2
Kriti Kharbanda	2549	3	4.80314	3
Sonakshi Sinha	4025	4	4.18124	4

These are the Top 5 Indian actresses whose movies are highly appreciated by the audience. Casting them in movies can be a great business decision.

**Step 24** – I analyzed Thriller movies that received more than 25,000 votes and checked their average ratings. Based on the average ratings, I created different categories.

movie_name	movie_category
Fifty Shades Freed	Flop
The Open House	Flop
Race 3	Flop
Den skyldige	Hit
Searching	Hit
The Foreigner	Hit
The Mule	Hit
John Wick: Chapter 2	Hit
Brimstone	Hit
Miss Sloane	Hit
Shot Caller	Hit
Good Time	Hit
Mission: Impossible - Fallout	Hit
Split	Hit
Get Out	Hit

Forushande	Hit
Hotel Mumbai	Hit
The Killing of a Sacred Deer	Hit
First Reformed	Hit
John Wick: Chapter 3 - Parabellum	Hit
Elle	Hit
Pet Sematary	One-time-watch
The Belko Experiment	One-time-watch
Venom	One-time-watch
xXx: Return of Xander Cage	One-time-watch
Kidnap	One-time-watch
Mute	One-time-watch
Halloween	One-time-watch
The Commuter	One-time-watch
Hunter Killer	One-time-watch
American Assassin	One-time-watch
Geostorm	One-time-watch
Would You Rather	One-time-watch
Sleepless	One-time-watch
Annabelle Comes Home	One-time-watch



Alien: Covenant	One-time-watch
Atomic Blonde	One-time-watch
Red Sparrow	One-time-watch
The Autopsy of Jane Doe	One-time-watch
Jigsaw	One-time-watch
Scary Stories to Tell in the Dark	One-time-watch
Jungle	One-time-watch
The Equalizer 2	One-time-watch
The Beguiled	One-time-watch
The Fate of the Furious	One-time-watch
Widows	One-time-watch
In the Tall Grass	One-time-watch
The Ritual	One-time-watch
Thoroughbreds	One-time-watch
Maze Runner: The Death Cure	One-time-watch
Insidious: The Last Key	One-time-watch
Skyscraper	One-time-watch
Captive State	One-time-watch

Roman J. Israel, Esq.	One-time-watch
Robin Hood	One-time-watch
Annabelle: Creation	One-time-watch
Rough Night	One-time-watch
Mile 22	One-time-watch
Serenity	One-time-watch
Happy Death Day	One-time-watch
Revenge	One-time-watch
Truth or Dare	One-time-watch
The Nun	One-time-watch
Glass	One-time-watch
Peppermint	One-time-watch
Us	One-time-watch
Velvet Buzzsaw	One-time-watch
Life	One-time-watch
The Curse of La Llorona	One-time-watch
Fractured	One-time-watch
Anna	One-time-watch

The Circle	One-time-watch
The Perfection	One-time-watch
Ah-ga-ssi	Superhit
Andhadhun	Superhit
Contratiempo	Superhit
Joker	Superhit

**Step 25** – I analyzed **different genre movies** based on their **average duration**, and also compared their **running time and movie duration**. The output was as follows.

genre	avg_duration	running_total_duration	moving_avg_duration
Action	112.88	112.88	112.88
Adventure	101.87	214.75	107.375
Comedy	102.62	317.37	105.79
Crime	107.05	424.42	106.105
Drama	106.77	531.19	106.238
Family	100.97	632.16	105.36
Fantasy	105.14	737.3	105.3286
Horror	92.72	830.02	103.7525
Mystery	101.8	931.82	103.5356
Others	100.16	1031.98	103.198
Romance	109.53	1141.51	103.7736
Sci-Fi	97.94	1239.45	103.2875
Thriller	101.58	1341.03	103.1562

**Step 26** – I analyzed the Top 5 movies of each year (2017, 2018, and 2019) that earned the highest revenue. Along with revenue, I also checked their genre, year, and movie titles. The results were as follows:

- Top 5 movies of 2017
- Top 5 movies of 2018
- Top 5 movies of 2019

genre	year	movie_name	worldwide_gross_income	movie_rank
Comedy	2017	Despicable Me 3	\$ 1,034,799,409.00	1
Comedy	2017	Jumanji: Welcome to the Jungle	\$ 962,102,237.00	2
Comedy	2017	Guardians of the Galaxy Vol. 2	\$ 863,756,051.00	3
Comedy	2017	Thor: Ragnarok	\$ 853,977,126.00	4
Comedy	2017	Sing	\$ 634,151,679.00	5
Comedy	2018	Deadpool 2	\$ 785,046,920.00	1
Comedy	2018	Ant-Man and the Wasp	\$ 622,674,139.00	2
Comedy	2018	Tang ren jie tan an 2	\$ 544,061,916.00	3
Comedy	2018	Ralph Breaks the Internet	\$ 529,323,962.00	4
Comedy	2018	Hotel Transylvania 3: Summer Vacation	\$ 528,583,774.00	5
Comedy	2019	Toy Story 4	\$ 1,073,168,585.00	1
Comedy	2019	Pok�mon Detective Pikachu	\$ 431,705,346.00	2
Comedy	2019	The Secret Life of Pets 2	\$ 429,434,163.00	3
Comedy	2019	Once Upon a Time... in Hollywood	\$ 371,207,970.00	4
Comedy	2019	Shazam!	\$ 364,571,656.00	5
Drama	2017	Zhan lang II	\$ 870,325,439.00	1
Drama	2017	Logan	\$ 619,021,436.00	2
Drama	2017	Dunkirk	\$ 526,940,665.00	3
Drama	2017	War for the Planet of the Apes	\$ 490,719,763.00	4
Drama	2017	La La Land	\$ 446,092,357.00	5
Drama	2018	Bohemian Rhapsody	\$ 903,655,259.00	1
Drama	2018	Hong haixing dong	\$ 579,220,560.00	2
Drama	2018	Wo bushiyaoshen	\$ 451,183,391.00	3
Drama	2018	A Star Is Born	\$ 434,888,866.00	4
Drama	2018	Fifty Shades Freed	\$ 371,985,018.00	5
Drama	2019	Avengers: Endgame	\$ 2,797,800,564.00	1
Drama	2019	The Lion King	\$ 1,655,156,910.00	2
Drama	2019	Joker	\$ 995,064,593.00	3

Drama	2019	Liu lang di qiu	\$ 699,760,773.00	4
Drama	2019	It Chapter Two	\$ 463,326,885.00	5
Thriller	2017	The Fate of the Furious	\$ 1,236,005,118.00	1
Thriller	2017	Zhan lang II	\$ 870,325,439.00	2
Thriller	2017	xXx: Return of Xander Cage	\$ 346,118,277.00	3
Thriller	2017	Annabelle: Creation	\$ 306,515,884.00	4
Thriller	2017	Split	\$ 278,454,358.00	5
Thriller	2018	Venom	\$ 856,085,151.00	1
Thriller	2018	Mission: Impossible - Fallout	\$ 791,115,104.00	2
Thriller	2018	Hong haixing dong	\$ 579,220,560.00	3
Thriller	2018	Fifty Shades Freed	\$ 371,985,018.00	4
Thriller	2018	The Nun	\$ 365,550,119.00	5
Thriller	2019	Joker	\$ 995,064,593.00	1
Thriller	2019	Ne Zha zhimo tong jiang shi	\$ 700,547,754.00	2
Thriller	2019	John Wick: Chapter 3 - Parabellum	\$ 326,667,460.00	3
Thriller	2019	Us	\$ 255,105,930.00	4
Thriller	2019	Glass	\$ 246,985,576.00	5

**Step 27** – I identified the **production house (company)** that has produced the most successful hit movies in multiple languages.

production_company	movie_count	prod_comp_rank
Star Cinema	7	1
Twentieth Century Fox	4	2

These **two production companies** deliver the **most hit movies**.

**Step 28** – Within the **Drama genre**, I identified the **Top 3 actresses** based on super hit films (average rating greater than 8).

actress_name	total_votes	movie_count	actress_avg_rating	actress_rank
Sangeetha Bhat	1010	1	9.6	1
Fatmire Sahiti	3932	1	9.4	2
Pranati Rai Prakash	897	1	9.4	3

**Step 29** – I analyzed the **Top 9 directors** based on the **number of movies directed**. Along with this, I also examined their Director ID, Name, Number of Movies, Total Votes, Average Rating, and Total Duration.

director_id	director_name	number_of_movies	avg_inter_movie_days	avg_rating	total_votes	min_rating	max_rating	total_duration
nm1777967	A.L. Vijay	5	177	5.65	1754	3.7	6.9	613
nm2096009	Andrew Jones	5	191	3.04	1989	2.7	3.2	432
nm0001752	Steven Soderbergh	4	254	6.77	171684	6.2	7	401
nm0515005	Sam Liu	4	260	6.32	28557	5.8	6.7	312
nm0814469	Sion Sono	4	331	6.31	2972	5.4	6.4	502
nm0425364	Jesse V. Johnson	4	299	6.1	14778	4.2	6.5	383
nm2691863	Justin Price	4	315	4.93	5343	3	5.8	346
nm0831321	Chris Stokes	4	198	4.32	3664	4	4.6	352
nm6356309	Ã-zgÃ¼r Bakar	4	112	3.96	1092	3.1	4.9	374

Focus on **Drama, Comedy, and Thriller genres**, as they are the most popular and revenue-generating. Collaborate with **top-rated actors (Vijay Sethupathi, Taapsee Pannu, Mammooty, Mohanlal)** and high-performing directors (James Mangold, Russo Brothers). Partner with **international production houses** like Marvel Studios and Star Cinema to expand global reach. Invest in **quality storytelling** to achieve higher ratings (>8), as critically acclaimed movies perform better in votes and revenue. Explore **multi-language productions** to increase global audience engagement.

**Reference** The queries and analysis used in this project were executed from the SQL script file **code\_filesurya.sql**.