

Executive Summary of RSVP Movies Case Study

The IMDB Dataset has 6 tables which are related to different aspects of movie industry.

The tables are: director_mapping, genre, movie, names, ratings, role_mappings.

The No. of rows in each table are:

director_mapping: 3867

genre : 14662

movie: 7997

names: 25735

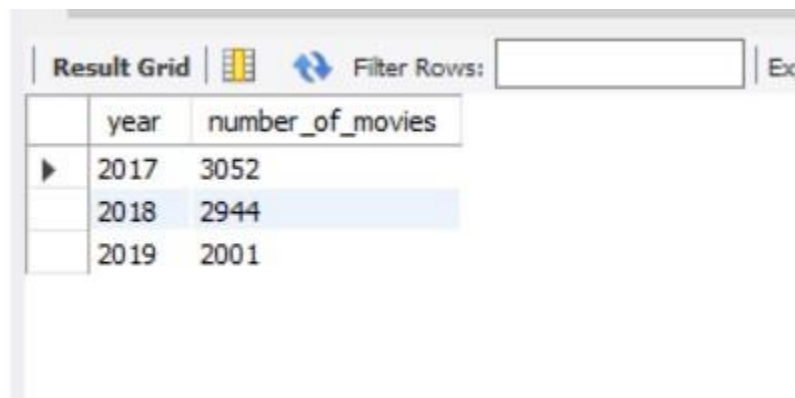
ratings: 7997

role_mapping: 15615

In 'Movie' table have four column with null values are: "country", "worldwide_gross_income", "languages" and "production_company".

Below are the insights from the RSVP Movie assignment:

1. We can see a declined trend in the year wise number of movies.



	year	number_of_movies
▶	2017	3052
	2018	2944
	2019	2001

2. For India and USA both combined, the total movie count is 1059 in the year 2019.
3. There are 13 distinct genres among which the number of movies for 'Drama' is highest.

	genre	movie_count
▶	Drama	4285
	Comedy	2412
	Thriller	1484
	Action	1289
	Horror	1208
	Romance	906
	Crime	813
	Adventure	591
	Mystery	555
	Sci-Fi	375
	Fantasy	342
	Family	302
	Others	100

4. Drama movies are produced in high numbers in 2019 and has the average duration of 106.77 mins.
5. Thriller comes as the 3rd ranked Genre among all the genres.

6. Movie_count according to median_rating:

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

7. Production_company with maximum hit movies where avg_rating>8:

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

8. According to Vote_count top 3 production houses are:

	production_company	vote_count	prod_comp_rank
▶	Marvel Studios	2656967	1
	Twentieth Century Fox	2411163	2
	Warner Bros.	2396057	3

9. Top 3 directors in top 3 genre with avg_rating>8:

	director_name	movie_count
▶	James Mangold	4
	Anthony Russo	3
	Soubin Shahr	3

10. Top 2 actors with median rating >= 8

	actor_name	movie_count
▶	Mammootty	8
	Mohanlal	5

11. Top 3 production_company based on votes received:

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
production_company	vote_count	prod_comp_rank	
Marvel Studios	2656967	1	
Twentieth Century Fox	2411163	2	
Warner Bros.	2396057	3	

12. Indian Actors rank based on avg_rating:

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
Taapsee Pannu	18895	5	7.70	4
Joju George	3926	5	7.58	5
Ammy Virk	2504	6	7.55	6
Dileesh Pothan	6235	5	7.52	7
Kunchacko Boban	5628	6	7.48	8
Pankaj Tripathi	40728	5	7.44	9
Rajkummar Rao	42560	6	7.37	10
Dulquer Salmaan	17666	5	7.30	11
Amit Sadh	13355	5	7.21	12
Tovino Thomas	11596	8	7.15	13
Mammootty	12613	8	7.04	14
Nassar	4016	5	7.03	15
Raashi Khanna	9816	5	7.01	16

13. The top 5 Indian Actress based on avg_rating:

actress_name	total_votes	movie_count	actress_avg_rating	actress_rank
Taapsee Pannu	18061	3	7.74	1
Kriti Sanon	21967	3	7.05	2
Divya Dutta	8579	3	6.88	3
Shraddha Kapoor	26779	3	6.63	4
Kriti Kharbanda	2549	3	4.80	5

14. Genre-wise running total and moving average of movie duration:

genre	avg_duration	running_total_duration	moving_avg_duration
Action	112.88	112.88	112.88
Adventure	101.87	214.75	107.38
Comedy	102.62	317.37	105.79
Crime	107.05	424.42	106.11
Drama	106.77	531.19	106.24
Family	100.97	632.16	105.36
Fantasy	105.14	737.30	105.33
Horror	92.72	830.02	103.75
Mystery	101.80	931.82	103.54
Others	100.16	1031.98	103.20
Romance	109.53	1141.51	103.77
Sci-Fi	97.94	1239.45	103.29

15. Production house with highest hits (median_rating>=8):

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

16. In Drama Genre, top 3 actresses with average rating > 8 are as below:

actress_name	total_votes	movie_count	actress_avg_rating	actress_rank
Parvathy Thiruvothu	4974	2	8.20000	1
Susan Brown	656	2	8.95000	2
Amanda Lawrence	656	2	8.95000	3

17. Top 9 directors based on movie_count:

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	7.0	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	6.10	14778	4.2	6.5	383
nm2691863	Justin Price	4	315	4.93	5343	3.0	5.8	346
nm0831321	Chris Stokes	4	198	4.32	3664	4.0	4.6	352
nm6356309	Özgür Bakar	4	112	3.96	1092	3.1	4.9	374