**Result and Explanation**

1. Null Values in movie table

* country = 7997-7977 = 20
* worlwide\_gross\_income = 7997-4273 = 3724
* languages = 7997-7803 = 194
* production\_company = 7997-7469 = 528

country, worlwide\_gross\_income, languages, production\_company columns have null values.

1. 3052 movies were released in 2017. This is the highest value from 2017 to 2019.
2. 824 movies were released in march alone. It is highest among month – wise movie distribution.
3. Some films are even produced in multiple countries. So, the total combination of filmmaking in India or USA for year 2019 is 1059.
4. There are 13 genres available in the genre table.
5. In the drama genre, 4285 films were produced from 2017 to 2019. This is the highest value in all genres.
6. A total of 3245 movies belonging to one genre.
7. Action genre averages 112.88 minutes. Highest in all genres. And Horror has least average running time of 92.72 mins.
8. Top 3 among all genres in terms of number of movies are Drama, Comedy and Thriller.
9. The dense rank command is used on top of the rank command because the rank command does not indicate ranks in sequential order. There were ranks 1, 1, 3, 4, 5, 5.
10. Based on the average rating, Kirket and Love in Kilnerry ranked first and received an average rating of 10.0. Fan Film ranked #4 with an average rating of 9.6.
11. 2257 movies were given median rating as 7. Movies with a median rating of 7 is highest in number.
12. Dream Warrior Pictures and National Theatre Live both has got top spot, as both have movie count equals to 3
13. There were 24 dramas released in USA in March 2017, and they received more than 1000 votes. It's the highest in genre category.
14. The Brighton Miracle is the movie with the highest average ratings beginning with "the". The average rating was 9.5.
15. A total of 361 movies were released from 1 April 2018 to 1 April 2019 having median rating of 8.
16. Yes, German movies get more votes than Italian movies by 1861985.
17. There are no Null value in the column 'name'.
18. Drama, Action, and Comedy were the top three genre categories (based on an average rating greater than 8). Among the top three, drama had the most movies with a number of 175.
19. Based on the number of movies and an average movie rating >8, James Mangold got four movies. He tops the list of directors. Anthony Russo, Soubin Shahir and Joe Russo settled for second place as all their movies count as three.
20. Mammootty and Mohanlal were the two actors whose movies have a median rating >= 8.
21. Marvel Studios rules the movie world. Next top 2 are Twentieth Century Fox and Warner Bros.
22. Vijay Sethupathi is at top of the list based on weighted average based on votes.
23. Taapsee Pannu tops with average rating 7.737.
24. Safe a thriller with the highest average rating of 9.5
25. Based on year – wise analysis,
    1. The fate of the furious released in year 2017 has got highest worldwide gross income.
    2. The Bohemian Rhapsody released in year 2018 has got highest worldwide gross income.
    3. The Avengers: Endgame released in year 2019 has got highest worldwide gross income.
26. The top 2 production company based on number of hits in multi-lingual are Star Cinema and Twentieth Century Fox.
27. Top 3 actress based on number of Super Hit movies in drama genre are Parvathy Thiruvothu, Susan Brown and Amanda Lawrence.
28. Andrew Jones is in top directors with high number of movies with average inter movie days as 190.75 days.

**Explanation**

First RSVP Movies need to select the type of genre to produce. As drama genre produced in last three years 2017 to 2019.

* **Genre : Drama**

Production house based on number of hit movies

* **Production House** : Dream Warrior Pictures and National Theatre Live

Production house based on the number of votes received by their movies.

* **Production House** : Marvel Studios, Twentieth Century Fox and Warner Bros

Actor based on movies have an average rating > 8.

* **Actor : Mammootty and Mohanlal**

Actor based on weighted average based on votes.

* **Actor : Vijay Sethupathi and Fahadh Faasil**

Actress based on weighted average based on votes (acted in hindi)

* **Actress : Taapsee Pannu and Kirti Sanon**

Actress based on number of Super Hit movies.

* **Actress : Parvathy Thiruvothu, Susan Brown and Amanda Lawrence**

The top 2 **production company** based on number of hits in **multi-lingual** are Star Cinema and Twentieth Century Fox.

Director based on movies have an average rating > 8

* **Director : James Mangold**

Andrew Jones is in top directors with high number of movies with average inter movie days as 190.75 days.

They can decide based on genre/ directors/ actors/ actress for producing the movies in India.