

Title	IMDB Ranking	Movie Genre with maxium votes	Series Genre with maximum votes	Average episode duration for TV shows	Best Tv shows season count	Year and the series count
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# IMDB Data Analysis

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## What factors lead to higher rating ?

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There are many factors which can influence movie rating such as Content of the film, Critic Reviews,Favourite Genre, Popular Cast and crew etc.

### How IMDB movies or series ranking works ?

We always used to think higher the rating better the movie but IMDB top rated movies and series doesn't work in that way. Suppose if a particular regional movie releases, that movie actor fans usually give high rating irrespective of the quality of the movie , so this will affect the overall ranking. In this dataset we can able to infer the rating of a particular movie and number of people voted for the particular movie. There is something called IMDB Weighted Rating Formula this is used to rank the Top movies or series in order.

$$\text{weighted rating (WR)} = (v \div (v+m)) \times R + (m \div (v+m)) \times C$$

Where:

**R** = average for the movie (mean) = (Rating)

**v** = number of votes for the movie = (votes)

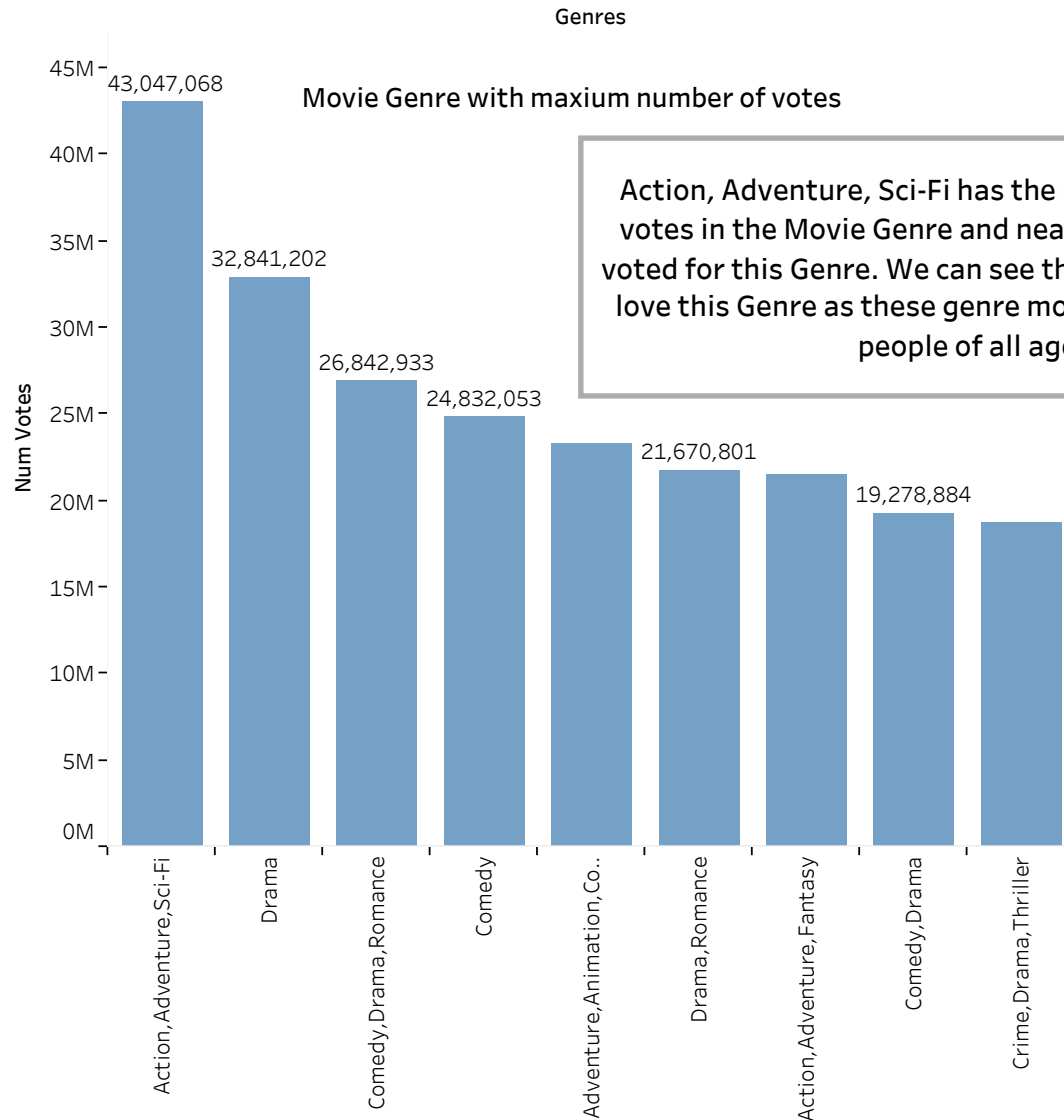
**m** = minimum votes required to be listed ( the minimum number of votes i chose is 500 so if a movie which needs to be in top rated movie it votes should be atleast 500 )

**C** = the mean vote across the whole report

From the above formula we get weighted average with the help of this score we can use it for ranking top movies or series

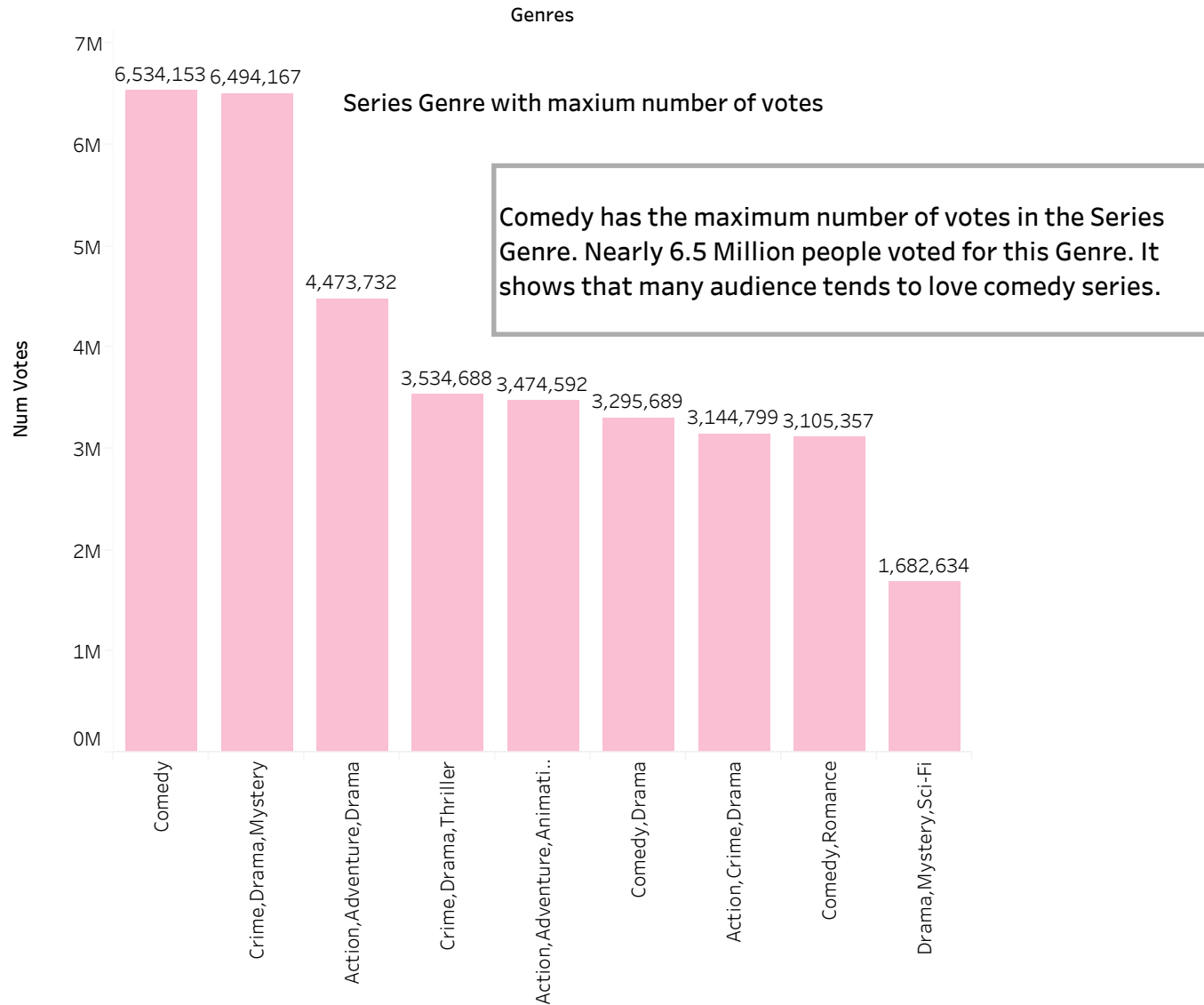
## Which Genre gets the maximum votes for Movies?

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## Which Genre gets the maximum votes for Series?

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## For TV shows, what is the avg episode duration of the best TV shows?

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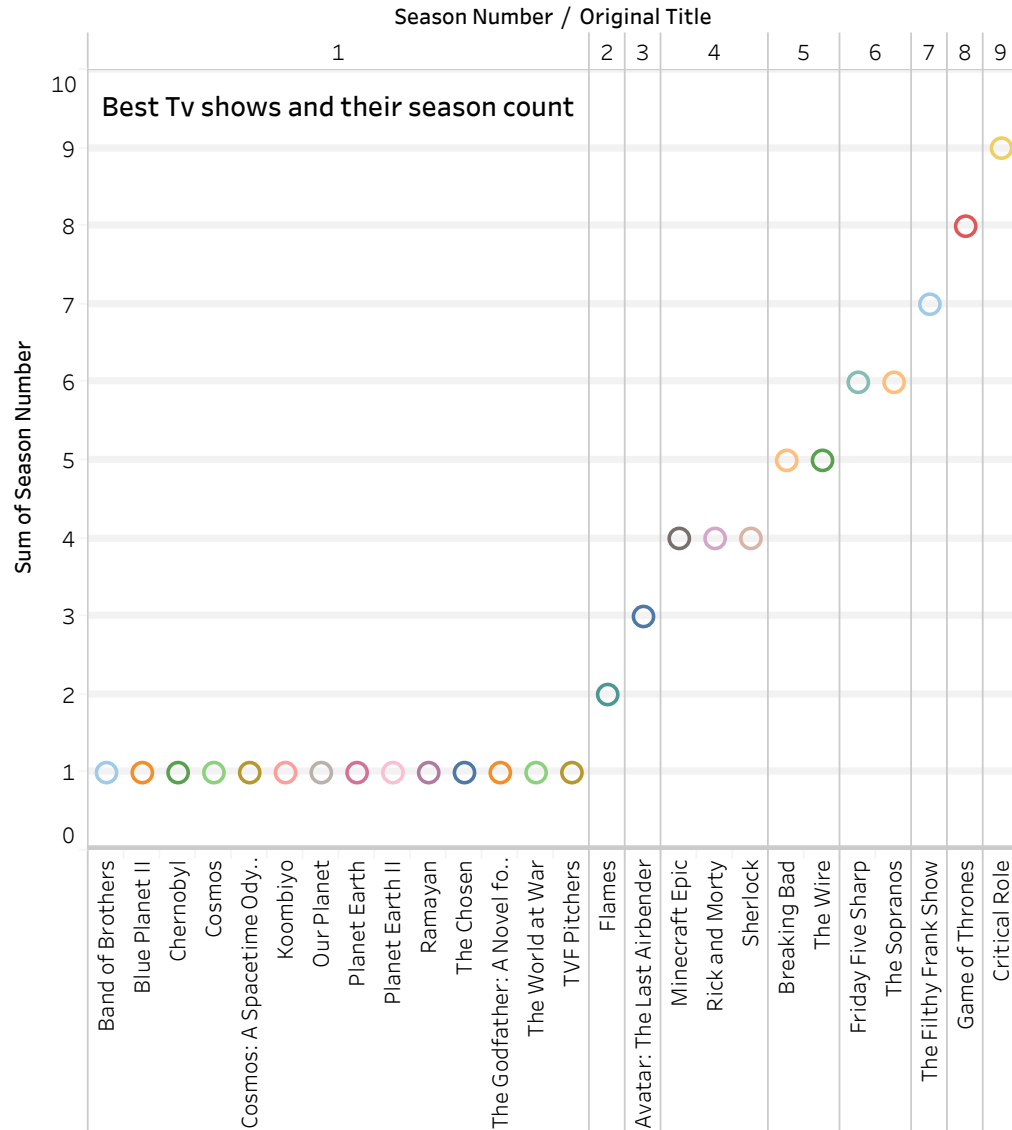
The Chosen 0	The Filthy Frank Show 12	Friday Five Sharp 0	Our Planet 403	Flames 20	The Godfather: A Novel for Television 434	Rick and Morty 23	<div>Avg. Score</div> <div>All values</div> <div>Avg. Score</div> <div><div></div><div>9.09849.6005</div></div>
Koombiyo 20	Chernobyl 330	Game of Thrones 57	The Sopranos 55		The World at War 52	Yeh Meri Family 30	
Breaking Bad 49	Planet Earth 538	The Wire 59					
Band of Brothers 594	Minecraft Epic 0	Cosmos: A Spacetime Odyssey 557	Avatar: The Last Airbender 23		Critical Role 180	Ramayan 30	
			TVF Pitchers 40				
Planet Earth II 298	Blue Planet II 364	Cosmos 60	Sahsiyet 60		Sherlock 88		

Here some single season series shows the overall runtime. Apart from that we can able to see the average episode duration of each series .

E.g: Breaking Bad average episode runtime is 49 minutes and for Sherlock it's 88 minutes.

## Best TV shows last for how many seasons?

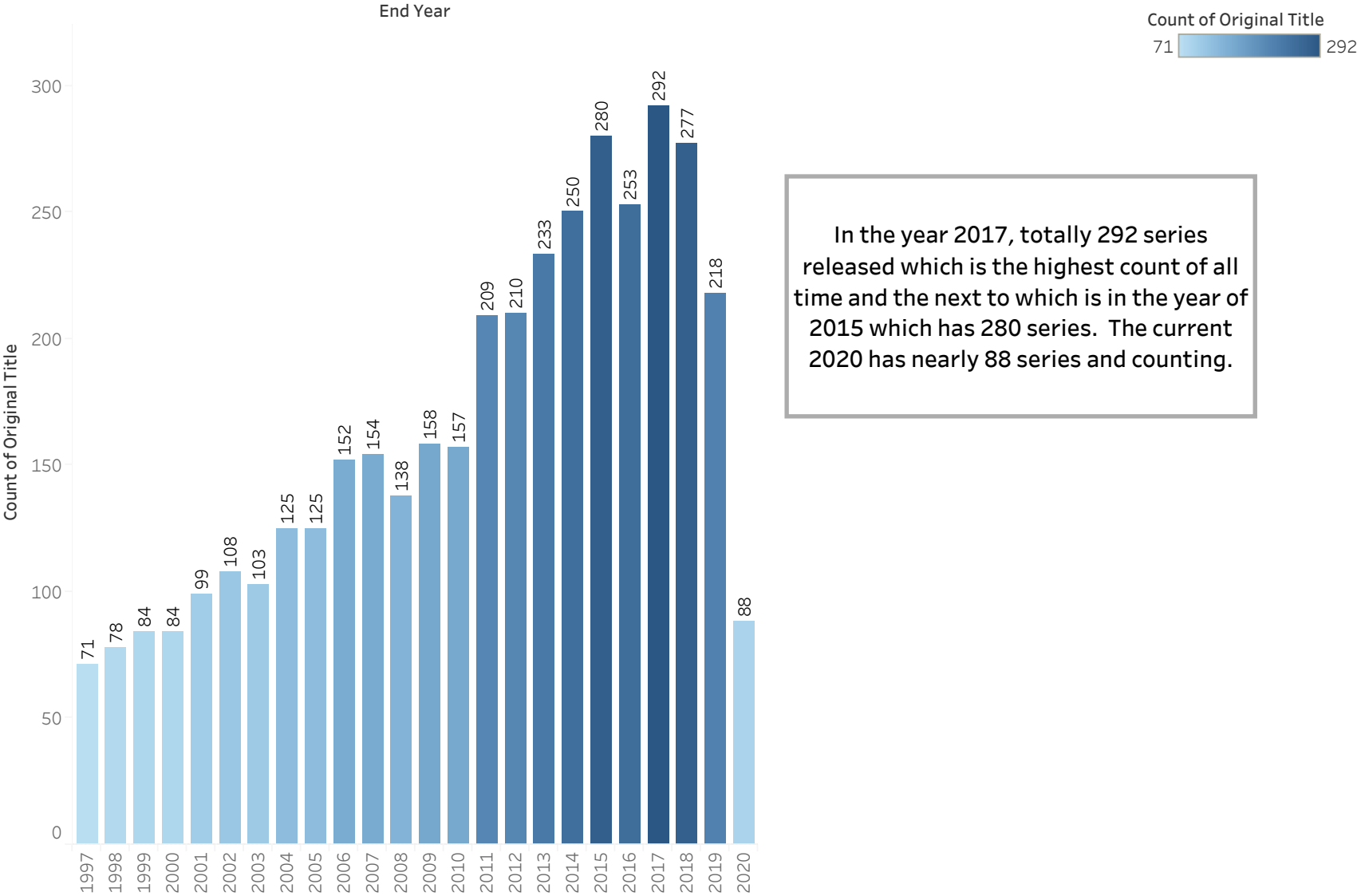
Movie Genre with maximum votes	Series Genre with maximum votes	Average episode duration for TV shows	Best Tv shows season count	Year and the series count	Successfull actor-director pair-1	Successfull actor-director pair-2
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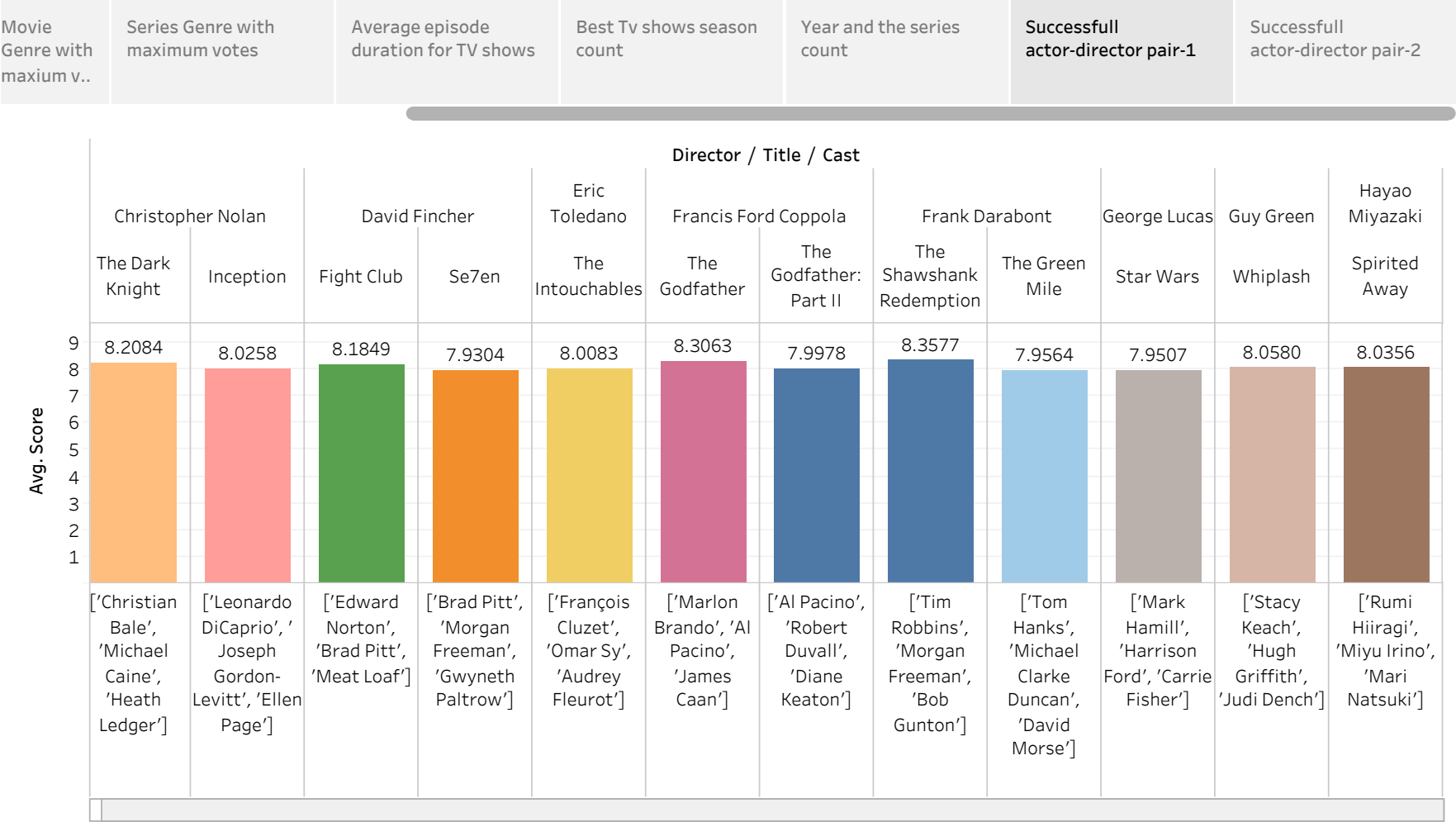
Some of the Top rated series like Chernobyl , Band of Brothers have single season . And for the series like Game of Thrones have 8 seasons.

In which year maximum TV shows ended?

Movie Genre with maxium v..	Series Genre with maximum votes	Average episode duration for TV shows	Best Tv shows season count	Year and the series count	Successfull actor-director pair-1	Successfull actor-director pair-2
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Which actor - director pair is most successful (in terms of IMDB ratings)?

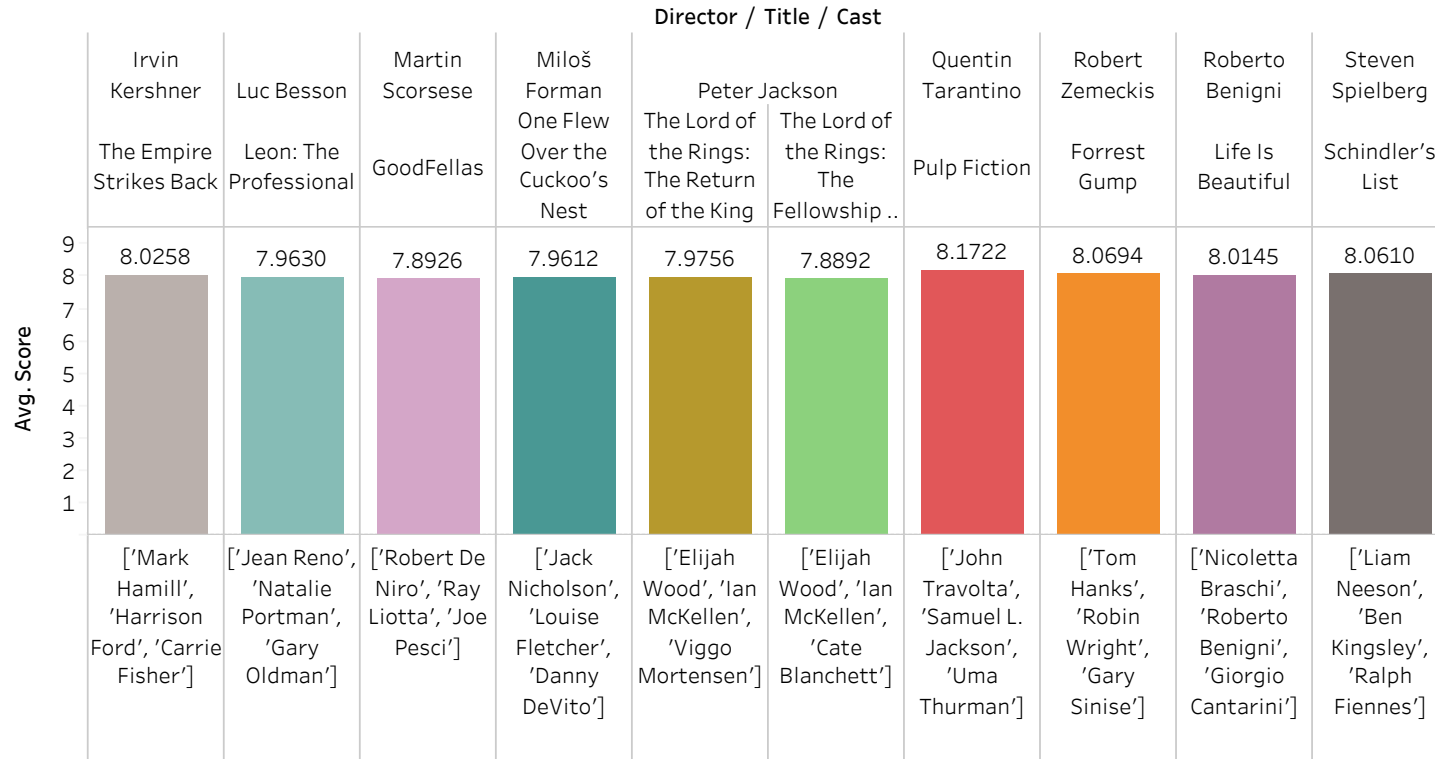


Most Succesful Actor Director pair and their top rated movies. For each director it shows the top rated movies and its cast. Here in the first section we can see that for the director Christopher Nolan, The Dark Knight and Inception is the highest rated movies and in the below section we can see the Actors in the particular movie.



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Most Successful Actor Director pair and their top rated movies. For each director it shows the top rated movies and its cast. Here in the we can see that for the director Quentin Tarantino, The Pulp Fiction is the highest rated movie and in the below section we can see the Actors in the particular movie.