

A War Through The 1000 Best Movies





1 artículo

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Over the years, cinema has been one of the arts most conditioned by social, economic and technological changes. Until a few years ago, some production studios and film makers sought to achieve a certain artistic sense, along with a good script and solid performances, in order to provide us with a great experience that would last over time.

Many moviegoers have seen a clear shift in the planning, production and marketing of films in recent years. Nowadays, in most cases, films are conceived as products for immediate consumption, tailored to the target audience and seeking to achieve the highest possible profit.

And we can say that superhero movies are the maximum exponent of this trend. Different production studios, directors and actors have embarked on this profitable way of making movies, but not all of them are happy with it...

And Scorsese took the floor...

Martin Scorsese, one of the most prestigious and acclaimed directors in history, had something to say about it: in

October 2019 he told Empire magazine (* source) that he had tried to watch some Marvel Studios superhero movies, had not enjoyed them very much and had decided that "they were not cinema".

With that he could be satisfied, but he moved on. For Scorsese, these films were based on a crude impersonality. "Honestly, the closest thing I can think of, however well made they are, with actors doing the best they can given the circumstances, are theme parks," he told Empire. "It's not the cinema of human beings trying to convey emotional and psychological experiences to another human being."

It should be recalled that Marvel Studios released its first movie "Iron Man" in 2008. Since then, they have reaped a lot of box office successes and influenced in different ways the critics and tastes of viewers.

But Scorsese's criticisms are especially relevant again now. It's a little strange to say, but Marvel is in its failing season. Or, at least, as close as Marvel can get to an era of failures:

In the past 18 months, we've had six Marvel Studios movies and seven TV series, with notably declining box office and positive reviews; in the next 18 months, there are another four movies, four series and two specials planned.

With such a crowded calendar, each new Marvel Studios announcement seems harmless. Moreover, the gradual loss of characters that even people who went to the movies twice a year knew - Iron Man, Captain America, Black Widow - makes the lack of direction even more glaring.

Scorsese has maintained his stance on superhero movies in different interviews. Being supported by a good part of the public and different "old-school" colleagues, like Francis Ford Coppola, who went so far as to qualify superhero movies as "despicable".

We can establish that Martin Scorsese's criticism points directly to the evolution of the cinema industry, the success of his films and their acceptance by critics and audiences.

And here several questions arise:

- Is Martin Scorsese's point of view justified?.
- Before and since Marvel Studios jumped into the field in 2008... How have the film industry, its best films, critics and

the public's opinion evolved?

- Can we compare Scorsese's and Marvel's movies?

Let's try to find the answers...

Describing our data and analysis

You can find the Python Notebook code at the following **link**

We will start by reading, cleaning and analyzing a first dataset that stores information about the top 1000 movies rated on imdb.com, with the following fields:

- Poster_Link: poster from the movie.
- Series_Title: title from the movie.
- Released_Year: year at which the movie was released.
- Certificate: a label stating who should be allowed to wa tch the movie.
- Runtime: duration of the movie.
- Genre: the different genres of the movie stored in the s ame column.
- IMDB_Rating: movie rating from IMDB.com.
- Overview: movie theme description.
- Meta_score: weighted average of reviews from metacrit ic.com
- Director: movie director.
- Star1, Star2, Star3 and Star4: main cast of the movie se parated in different columns.
- No_of_Votes: sum of votes rating the movie.
- Gross: cumulative earnings of the movie in US and Can ada.

```
# import libraries
import pandas as pd
import nampy as np
import matplotlib.psplot as plt
import saborn as sns
sns.set_theme(style = "darkgrid")

# read dataset
movies = pd.read_csv("https://raw.githubusercontent.com/JuanArchidons/practica_pandas/main/imdb_top_1000.csv", sep = ",")
```

In the first instance, our main objective is to analyze the evolution of the top 1000 movies through the following parameters:

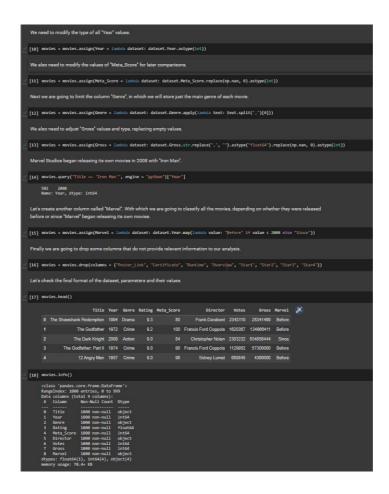
 Whether the movie was released before or since 2008, when Marvel Studios released "Iron Man". Cross comparisons according to ratings, gross, genre, year of release and number of votes.

Next we are going to query a record and the value types of each field



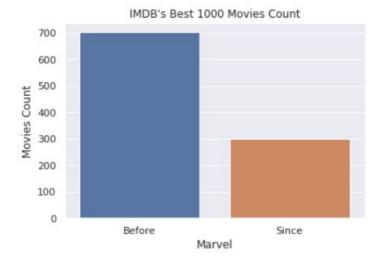
We can see that there are several fields that do not provide relevant information to our analysis. Or whose data type does not match the required one.

We proceed to adjust these fields and their values, using methods such as rename(), sort_values(), query(), replace(), assign() or drop()... This is a summary of the steps necessary to make the changes:

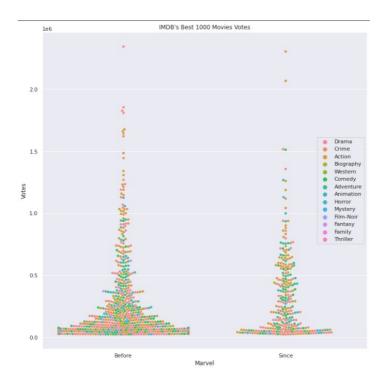


Values to consider

It should be noted that the number of films in the dataset prior to the landing of Marvel Studios, is higher than the number of films after. As we can see in the following graph:



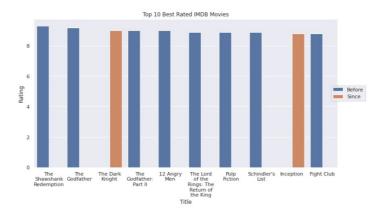
In the following graph we can see the distribution of votes, according to the main genre of the film.



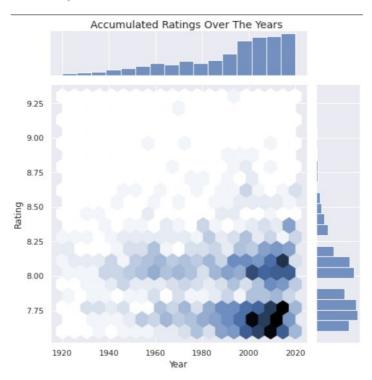
Analysis by rating

Below we will check out the top 10 highest rated movies, with some interesting detail:

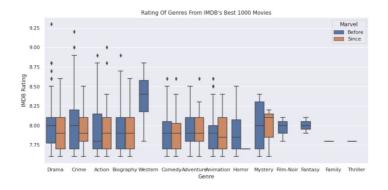
<pre>movies.filter(["Title", "Rating", "Marvel"]).head(10)</pre>			
	Title	Rating	Marvel
0	The Shawshank Redemption	9.3	Before
1	The Godfather	9.2	Before
2	The Dark Knight	9.0	Since
3	The Godfather: Part II	9.0	Before
4	12 Angry Men	9.0	Before
5	The Lord of the Rings: The Return of the King	8.9	Before
6	Pulp Fiction	8.9	Before
7	Schindler's List	8.9	Before
8	Inception	8.8	Since
9	Fight Club	8.8	Before



It turns out that most of the top-rated movies according to IMDB predate the emergence of Marvel Studios. We could establish that the passage of time and popularity, do not necessarily lead to better movies.

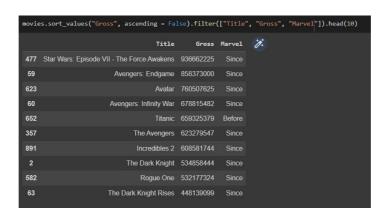


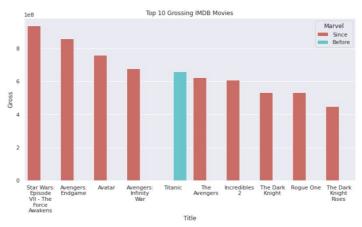
The ratings according to the main genre of the film, show that some themes have lost relevance and acceptance, over the years, in the eyes of critics. As Martin would surely have asserted.



Analysis according to gross

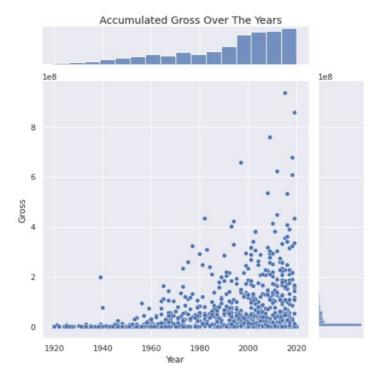
Next, let's check out IMDB's top 10 highest grossing movies. There are also interesting details:





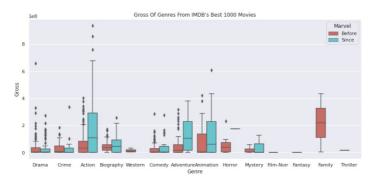
It is enlightening that 9 of the top 10 grossing films happen to be after Marvel Studios came on the scene. And that 6 of the 10 films are superhero movies. Next to 2 of Star Wars movies and Avatar, with similar subject matter.

It seems that Scorsese's criticism, about the industry trend and the marked taste of the viewers, is well-founded.



The earnings of films according to their main genre show that some thematic films have achieved very high revenues over time. Leaving other genres behind.

Martin Scorsese may still be right.



Describing more data and its analysis

We will continue by reading, cleaning and analyzing the second dataset that stores information about the 29 movies produced by Marvel Studios.

The data is classified as it follows:

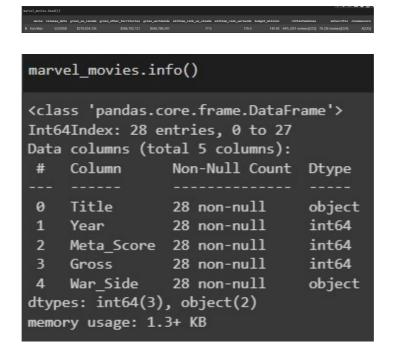
- movie: title from the movie.
- released_date: date at which the movie was released.
- gross_us_canada: cumulative earnings of the movie in US an Canada, that will be our reference value.
- gross_other_territories: cumulative earnings of the mov ie in other territories.
- gross_gross_worldwide: cumulative earnings of the mo vie worldwide.
- alltime_rank_us_canada = alltime gross rank in US and Canada.
- alltime_rank_worldwide = alltime gross rank worldwide.
- budget million: budget of the movie in million dolars.
- rottentomatoes: rating from this web.
- metacritic: rating from this metacritic.com that will be o ur reference value.
- cinemascore: rating from this web.

Now our goal is to process and retrieve the records, with the following necessary information from all Marvel Studios movies:

Tittle, Year, Meta Score, Gross and a field named War_side, that qualified them as a Marvel movie. This parameter will

facilitate a later comparison

We proceed to retrieve a record and the data types of each field.



We also can see here that there are several fields that do not provide relevant information to our analysis. Or whose data type does not match the required one.

We proceed to adjust these fields and their values, using methods such as rename(), replace(), assign() or drop()... This is a summary of the steps necessary to make the changes:

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We need to recover the best films directed by Martin Scorsese.

Our goal is to adjust their fields in the same way we did with the Marvel Studios movies, to facilitate later comparisons. Including the War_Side parameter, which also classifies these movies as directed by Martin Scorsese.

We now proceed to merge both datasets and obtain a sample of the resulting records.



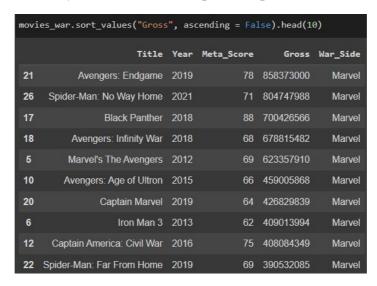
Let the war begin!

First, let's compare Scorsese's and Marvel's films according to their Meta Score, which is a compendium of ratings from the metacritic website.





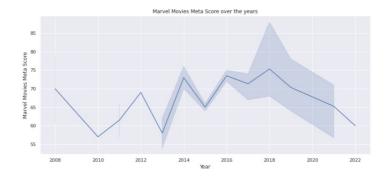
Scorsese seems to have the lead in terms of ratings. Now let's compare the films according to their grosses.

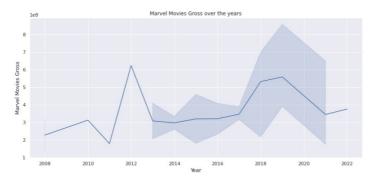


This battle turns out to be a clear and expected victory for Marvel Studios.

Now let's check if Scorsese's statements made in 2019, may have created groundswell of opinion in the becoming of Marvel movies Meta Scores and Gross.

Clearly it appears that Scorsese's statements made in 2019, could have had some sort of influence on Marvel Studios' movie profits and ratings.

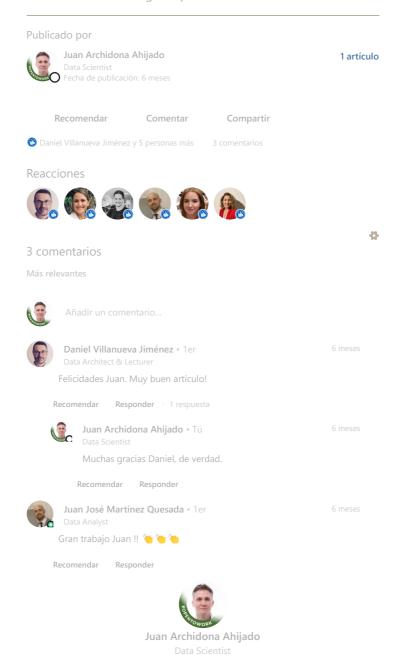




After cross-comparisons of IMDB's top 1000 movies according to ratings, profits, main genre and votes.

To which to add the direct comparison between the films of both sides of the war. And a more than possible influence of the opinion of the acclaimed director.

In my humble opinion there is a clear winner of this contest and he is not wearing a cape: Martin Scorsese.



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