

Data about cinema market

Hello,

This project aims to provide information that may be relevant to understanding the movie industry before, during, and after the COVID-19 pandemic.

Data with the top 50 range, was collected from TMDB via API. Data from worldwide cinema market was extracted from box office mojo in the following page:

<https://www.ign.com/articles/coronavirus-movie-delays-release-date-change-tv-show>

The documentation for fields extracted from TMDB and Box Office Mojo has been reviewed to try to minimize the potential impact of erroneous information, such as data at the "US Market" level for "Worldwide Market", but we are not responsible for erroneous information published on the TMdb movie pages.

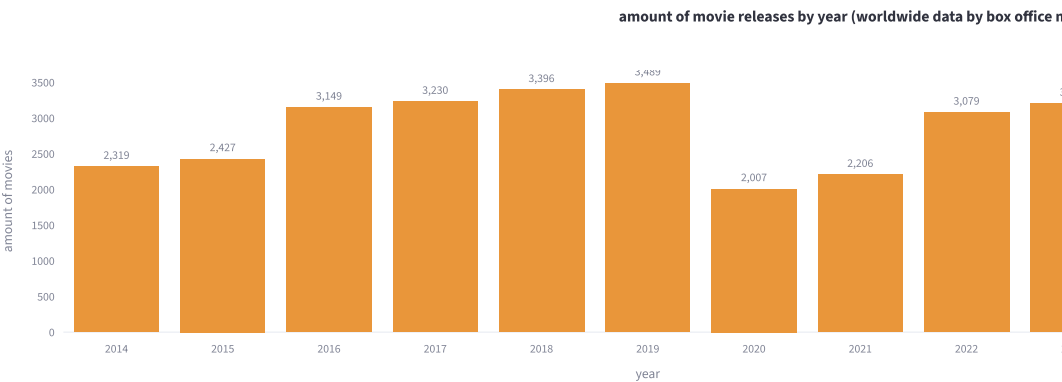
This graph shows the total movies releases by year according to BOX OFFICE MOJO.

We can clearly see the impact that the covid 2020 pandemic had in movie releases

This was caused because some of the movies were delayed and others canceled.

We couldn't find any data related to the total number of movies delayed, but in this article from 2020 we can see the impact in more than 40 movies

<https://www.ign.com/articles/coronavirus-movie-delays-release-date-change-tv-show>



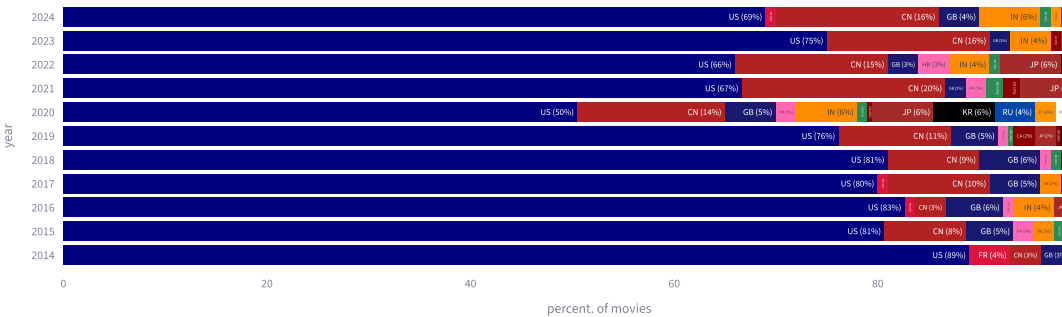
This graph shows the origin country of the top 50 movies ordered by global revenue from tmdb.

In 2020, we can see an expansion in the korean, japan and russia market

In fact, the movie with the most revenue in 2020 was a japanese animation movie 'Kimetsu no Yaiba: Mugen Ressha-hen'.

Post pandemic top revenue movies seem to be more concentrated in the us country

percent of movies by year and origin_country (top 50 movies by worldwide revenue - data from tmdb — proportionally counting coproductions)

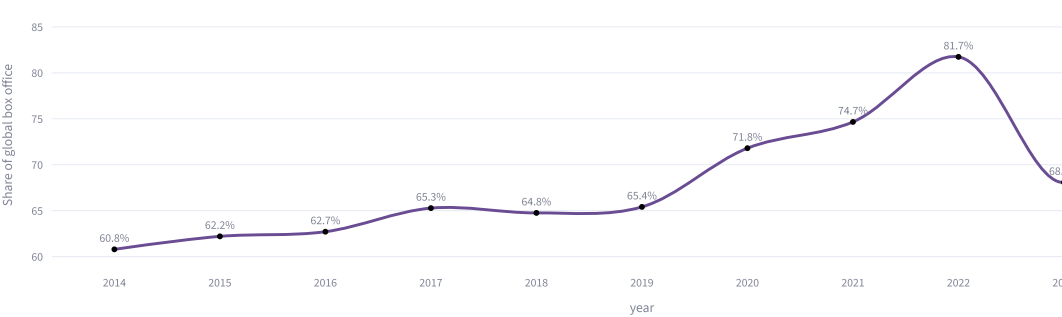


This graph shows the share of the top 50 movies by revenue compared to the global revenue from worldwide movies

We can see an expansion in the share since 2020 which indicates that the cinema market could be more concentrated in blockbusters

The precision of this information depends totally from the revenue disposed on tmdb and box office mojo

Top 50 Movies' Share of Global Box Office Revenue (Yearly) -(top 50 movies by worldwide revenue - data from tmdb)

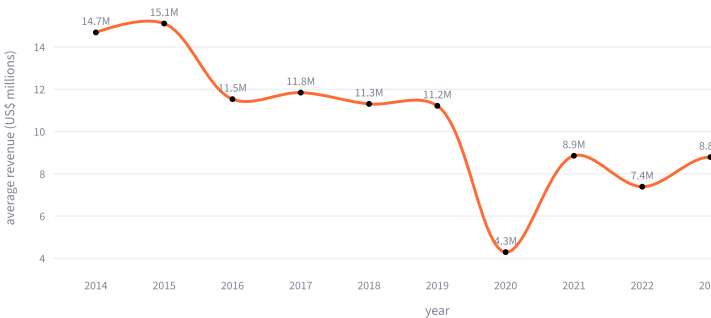


This section tries to compare if the average movie revenue by year has the same movement both in the worldwide movies and in the top 50 movies

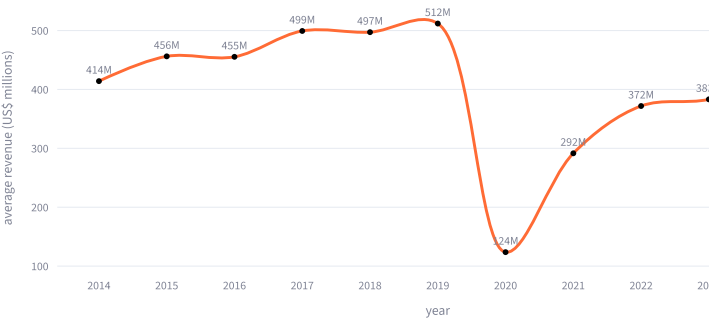
What we can see is that Worldwide average revenue is declining overall, whereas the top-50 shows large swings and a strong post-2020 rebound — meaning box-office value is concentrating in a smaller set of big hits.

The precision of this information depends totally from the revenue disposed on tmdb and box office mojo

average movie revenue by year (worldwide data by box office mojo)



average movie revenue by year (top 50 movies by worldwide revenue - dat



This graph shows the average revenue per budget from the top 50 movies.

When we look at the average revenue-to-budget ratio, the trend shows that big movies have become less profitable over time.

After peaking around 2017 ($\approx 7.9\times$), the ratio steadily declined, hitting its lowest point in 2021 ($\approx 3.5\times$) and only partially recovering afterward.

This suggests that even though total revenues bounced back post-2020, production costs likely rose faster — meaning studios now spend more to achieve proportionally smaller returns.

The precision of this information depends totally from the revenue and budget disposed on tmdb. Some movies didn´t have the budget displayed so we couldn't consider them in the numbers.

