

1980's - 2010's

# Four Decades of Motion Pictures

Gary Chen  
IST- 719

Movie consumption has shifted from VHS to DVDs, and from DVDs to Online streaming but movie theaters remain constant.

As media consumption continues to play an integral part in our culture, the general population and movie buffs will find this evolution compelling.

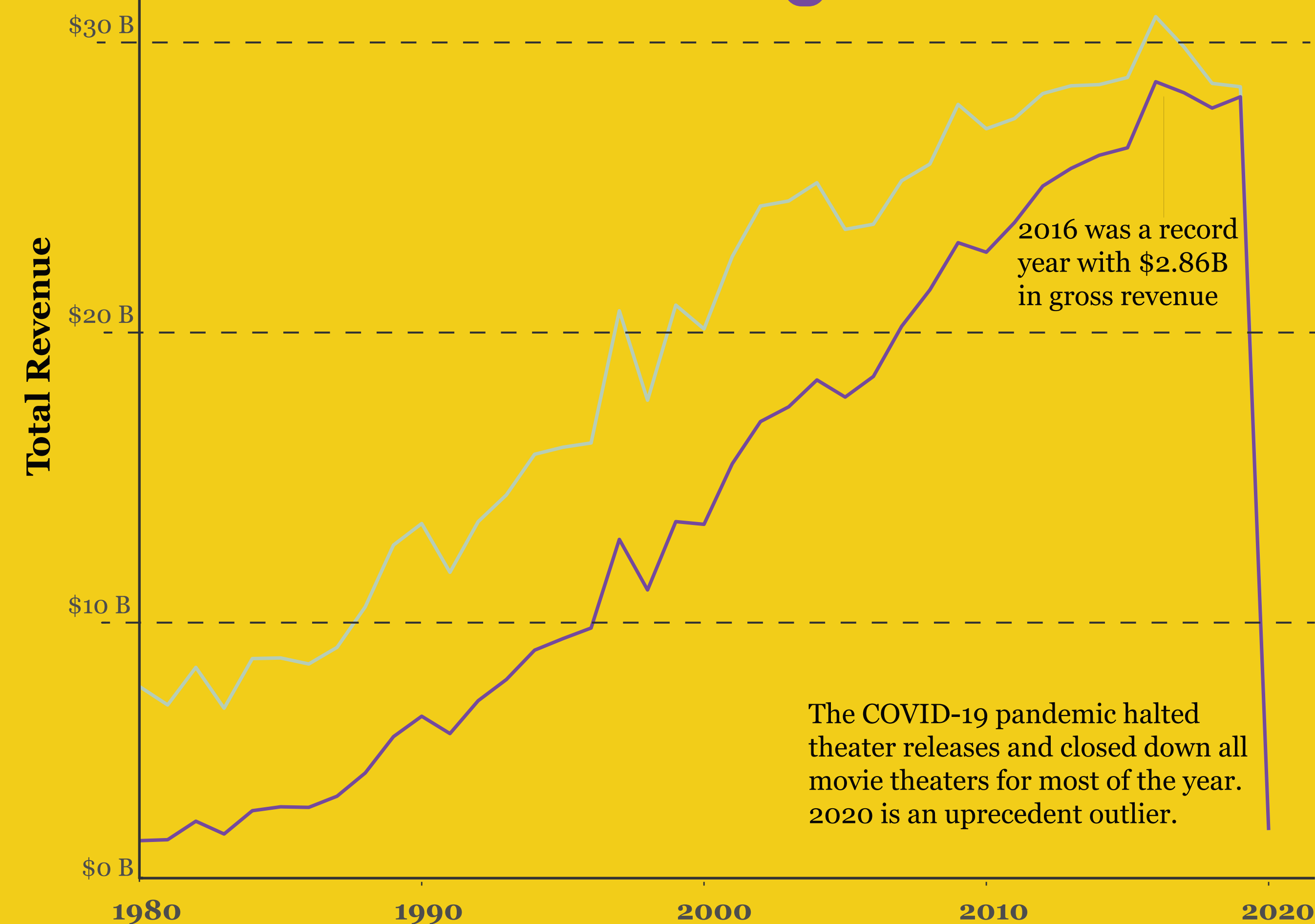
I want to tell the story of how our culture evolved movie trends over the past four decades through an analysis of movie genres, score ratings, and revenue.



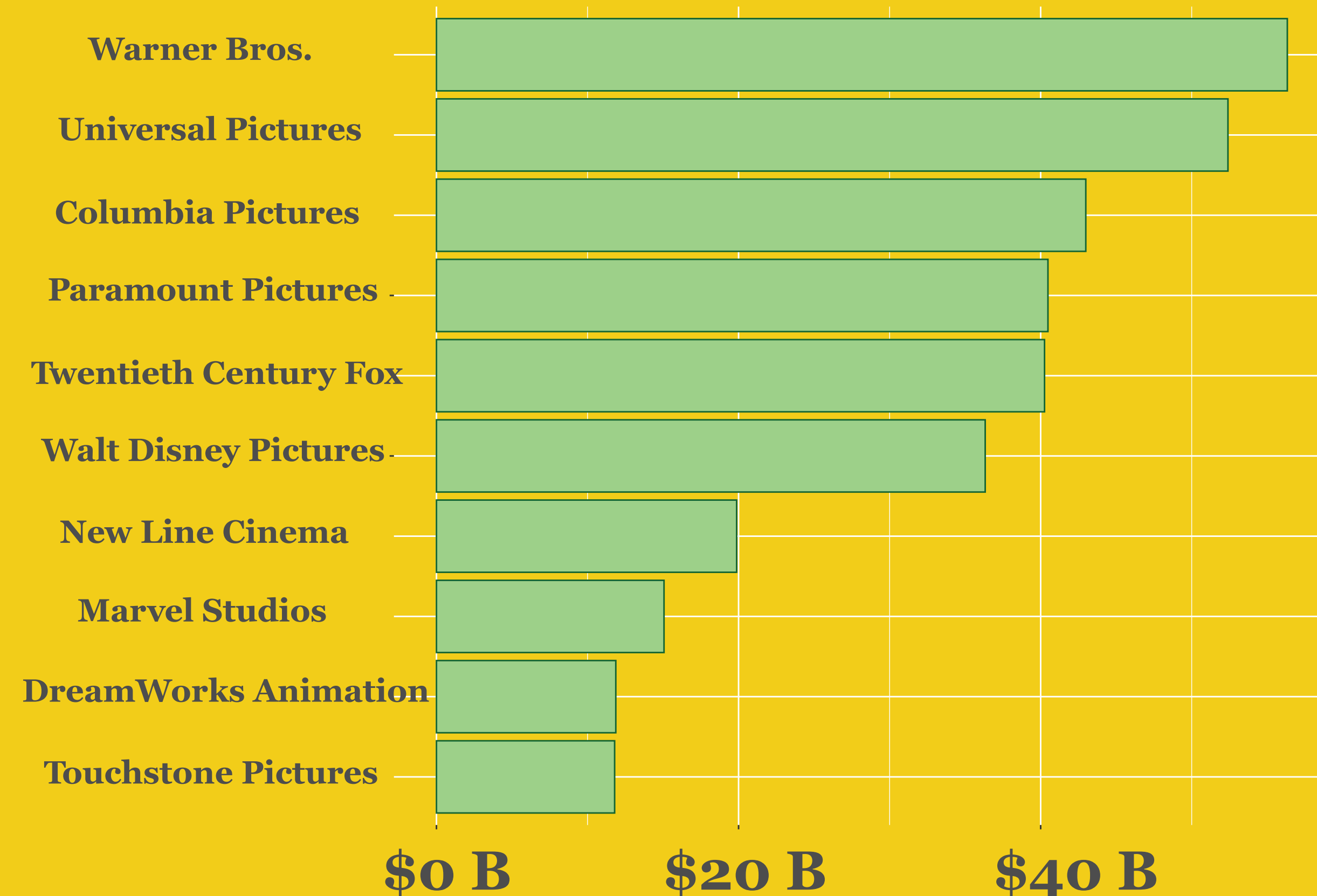
Which year had the biggest box office revenue total?  
Does this still hold true if adjusted for inflation (2020)?

Gross Movie Revenue by Year

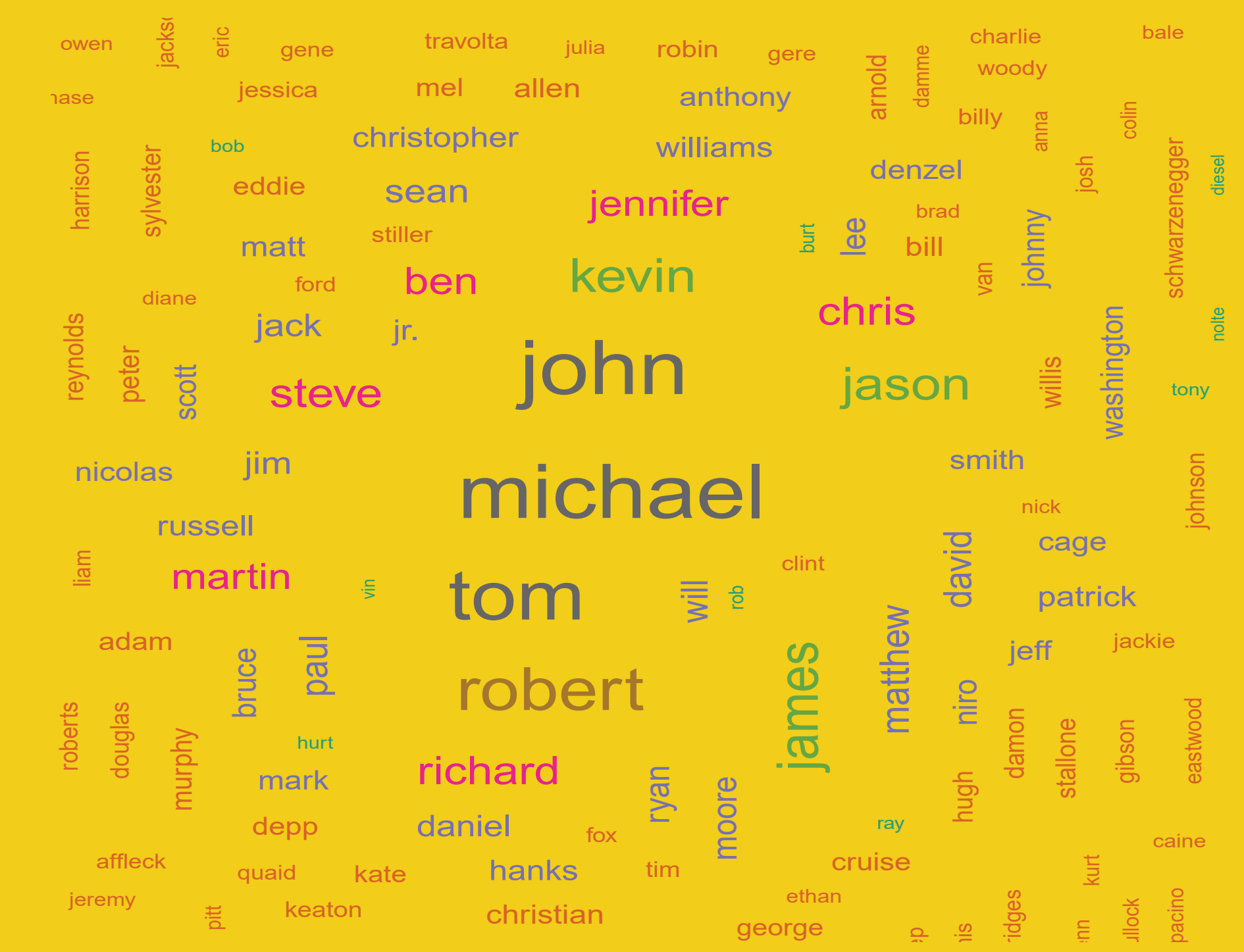
Adjusted Gross Revenue (2020)  
Gross Revenue



What are the top 10 movie studios in the last 40 years?

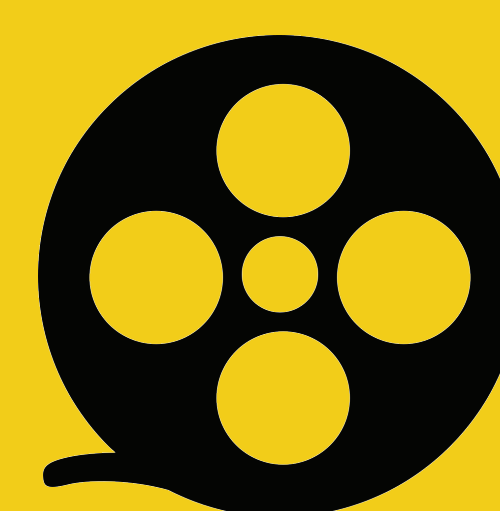


Movie Stars



What were the top genre preferences of each decade and how have genre preferences change over time?

Top IMDB Genre Scores By Decade

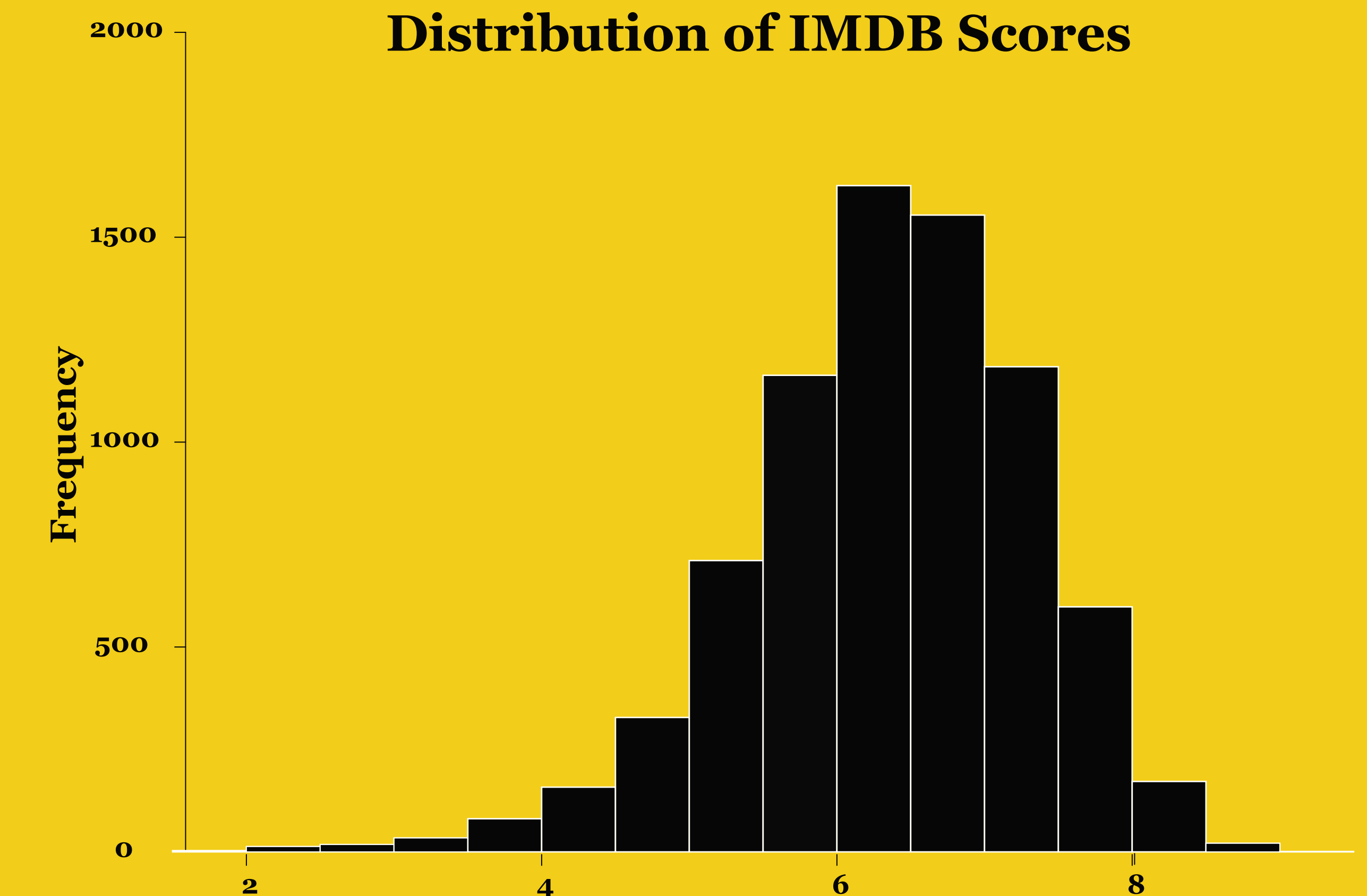


The dataset was scraped from IMDB by the Kaggle author, Daniel Grijalva.

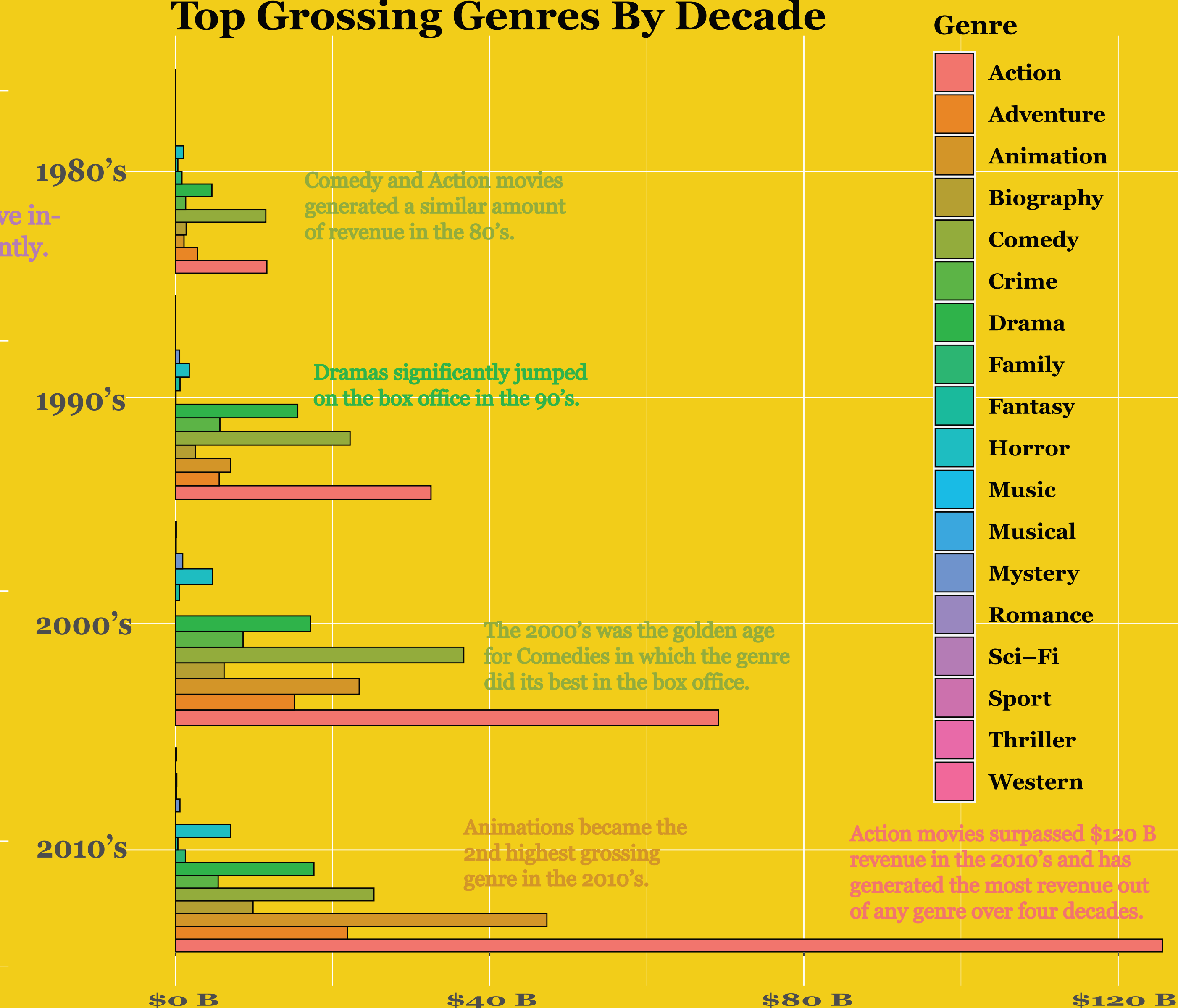
The movies dataset contains genres, IMDB scores, budgets, and revenues of movies released from 1980 – 2020. There are 7,511 distinct movies from 59 countries with 18 column attributes (15 Original & 3 Calculated).

Within this dataset, we will explore attributes of USA movie releases which will narrow our records to 6,737. Some of the analysis will ommit 2020 since that is the start of a fresh decade.

Distribution of IMDB Scores



Top Grossing Genres By Decade



Source Links

wordcloud,  
RColoBrewer,  
wordcloud2,  
tm,  
tidyr,  
stringr,  
priceR,  
ggplot2,  
scales,  
lubridate,  
dplyr

Data set -

<https://www.kaggle.com/datasets/danielgrijalvas/movies>

Clipping Images - <https://www.vhv.rs/>