Evolution of movie genre development trends

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Dataset(s)

I used IMDB movie dataset. In order to make sure that the dataset includes all the movies around the world I use the original IMDB dataset from the IMDB's website.PFA the link to the website.

https://www.imdb.com/interfaces/

https://datasets.imdbws.com/title.basics.tsv.gz

Using this data assured me that my research would a little bit of real life importance.

Motivation

Using the IMDB movie dataset during the course inspired me to work with this. I was very excited during the panda's session that I stopped with the videos and explored this data set for many hours and is my first data set to ever work with.

Recently there have been a lot of Marvel and DC movies being brought to light by social media. Most of these movies happen to have a genre of action, sci-fi and romance. So I wanted to explore if these were the trends similar decades ago. I also wanted to know which of the movie genres has been most produced by film producers.
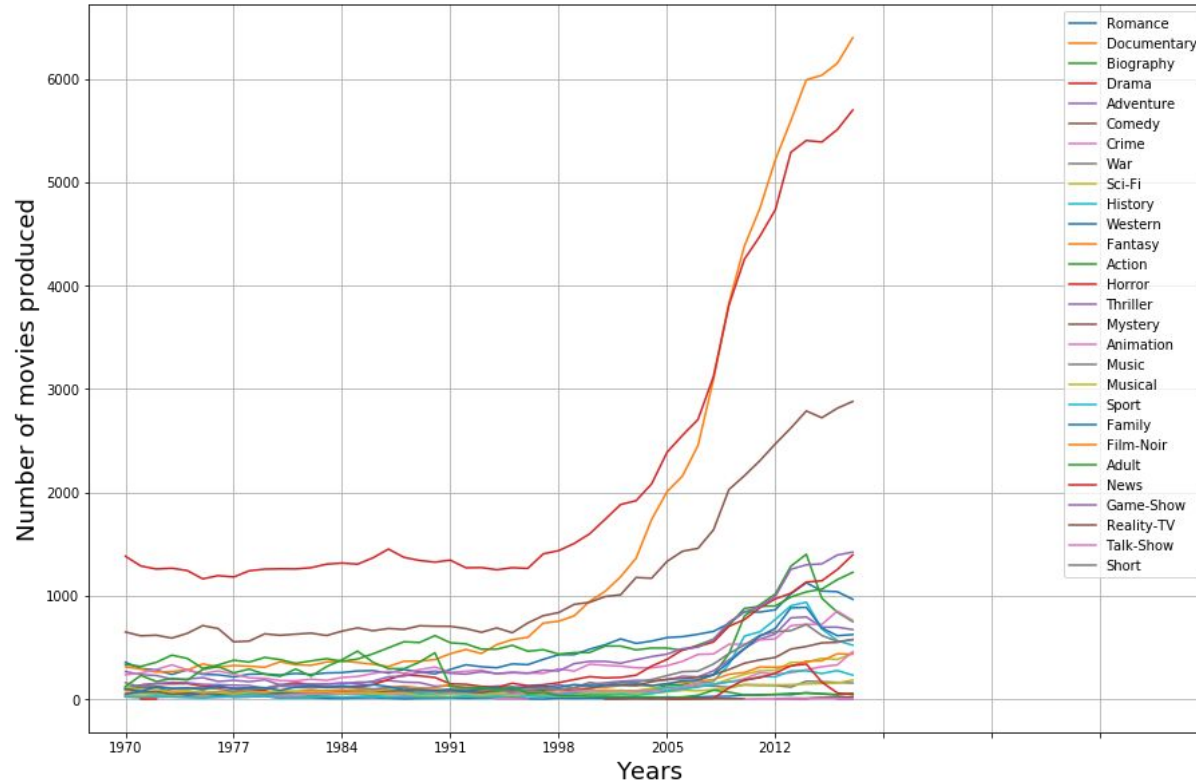
I assume that the more a specific genre of movie is produced the more trending that genre is in that time period.

Research Question

How has the trend in the genre of films produced evolved since 1970s?

The focus of research moves from trends popular all over the world to genres recently popular in hollywood like: Romance, Sci-Fi, History, Action.
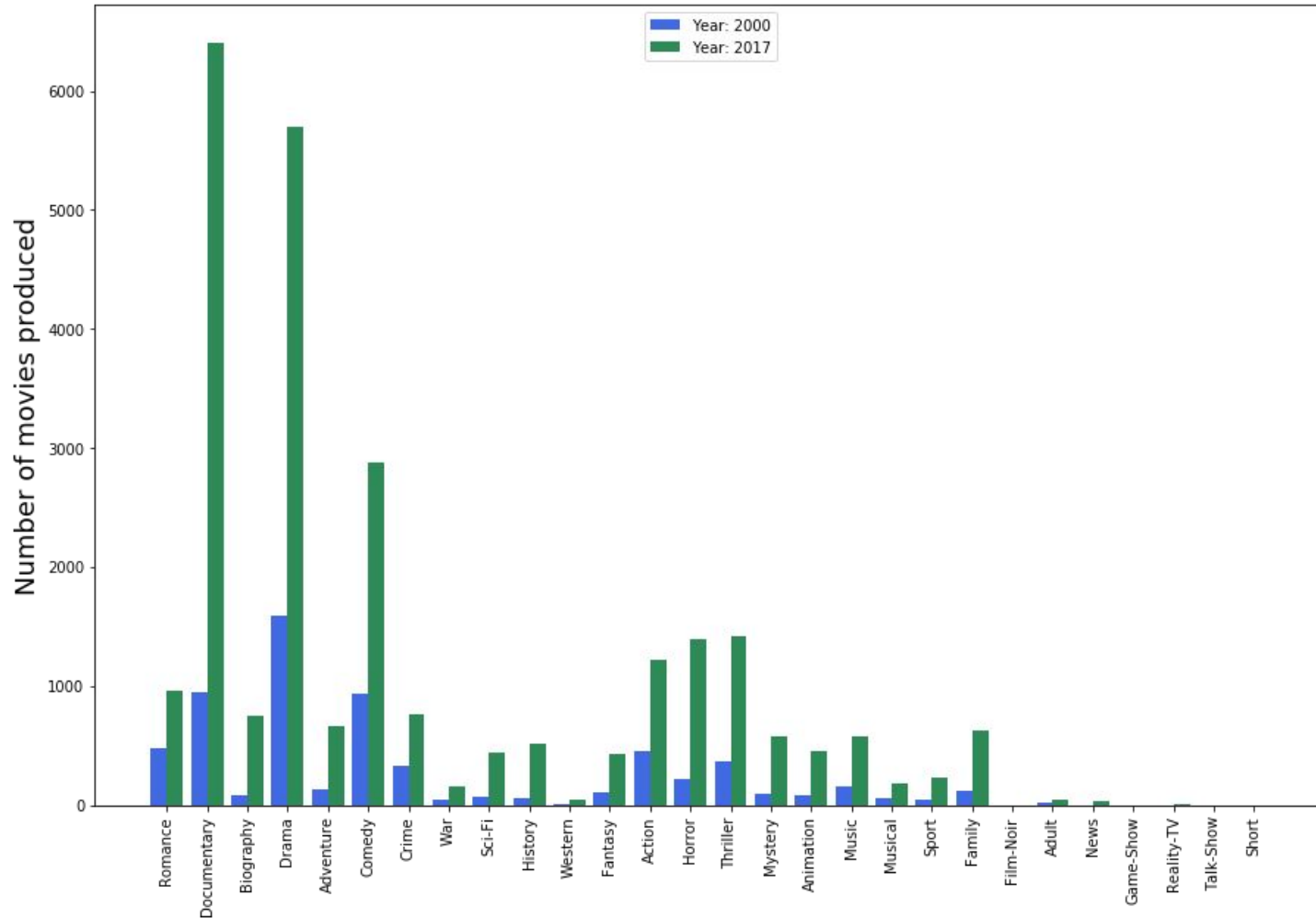
Findings

It is seen that there are too many of genres present. This makes it reading a bit too difficult.

This graph can be used as an exploratory point.

Here we see that Documentaries, Dramas and Comedy films clearly dominate.
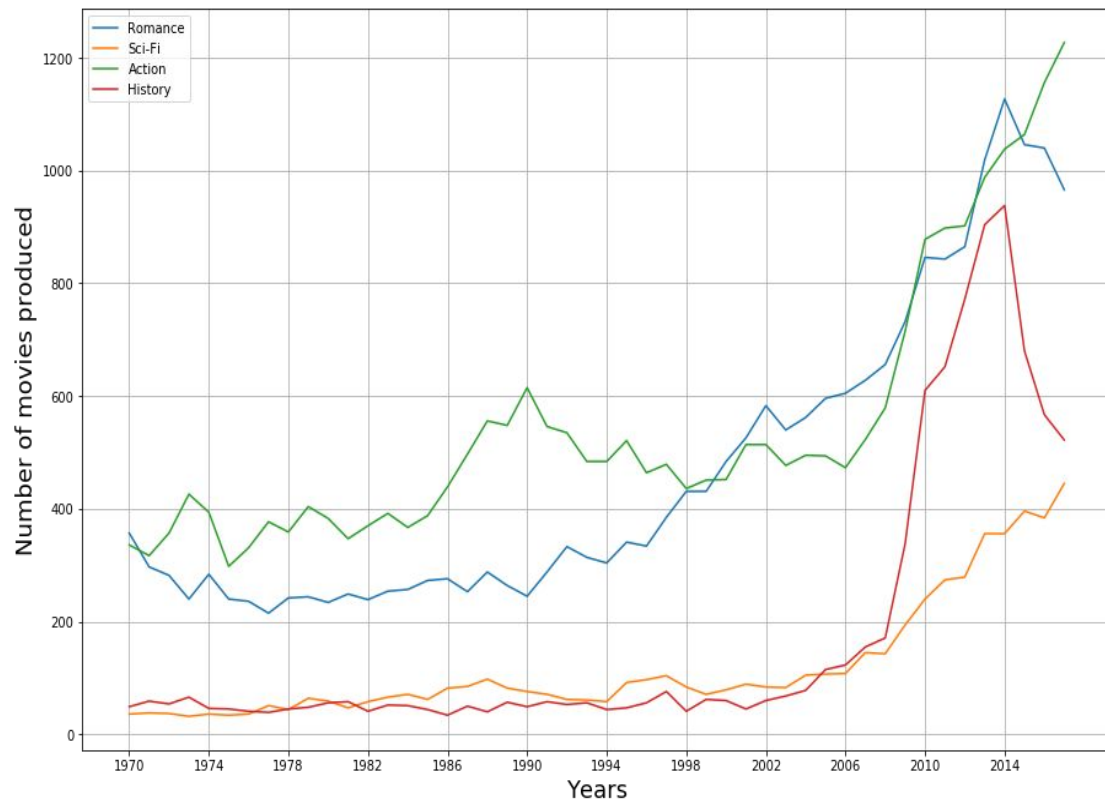
It is interesting to note that in 1970s there were barely any documentary films being produced whereas by 2017 they are the most produced genre of films.

The total number of films produced in 2017 has more than tripled compared to 2000.

All genres have had an increase in production in 2017 compared to 2000.

Genres like family, history, Sci-Fi, documentary have increased by more than 400%. These genres also have a steady growth. This shows that these could be the major focus in upcoming years.

In this graph we focus on some of the more popular genre trends in 2018.

We see that in 2014 Historical movies hit their peak and have dropped gradually ever since.

Sci-Fi is a steadily growing genre of which can expect a lot more films in the upcoming years.
Most Sci-Fi movies are also action based hence they both have a steady growth.

Surprisingly the romance genre seems to be decreasing in its productions. One of the reasons for this could be the increase in focus the the other genres like Sci-Fi.

Reflecting on the findings

I was very surprised to find that huge number of documentary films, drama films and comedy films produced. I expected the genres like action films or romance films to dominate the graphs.

Moreover, famous blockbuster hits tend to be action or romance movies. I have rarely heard about a documentary being famous on social media. Yet, film makers have rapidly increased the number of documentary films produced. This is intriguing and can be answered by further research in this field.

Acknowledgements

I had feedback from my friend, who helped review the quality of this project.

References

The websites I referred to were documentation of packages. Mainly, pandas and matplotlib.

https://matplotlib.org/examples/api/barchart_demo.html

https://pandas.pydata.org/pandas-docs/stable/generated/pandas.DataFrame.groupby.html