

1. Analyzed database:

- Work was done on data analysis of "TMDb movie data" database, this data set has information about 10,000 movies collected from The Movie Database (TMDb).
- Dataset certain columns, like 'cast' and 'genres', contain multiple values separated by pipe (|) characters, there are some odd characters in the 'cast' column, don't worry about cleaning them, you can leave them as is, the final two columns ending with "_adj" show the budget and revenue of the associated movie in terms of 2010 dollars, accounting for inflation over time.

2. Analyzed questions:

- Is there a relationship between the years and the number of films?
- How long is the average movie?
- Top 10 of movies Directors in 2011? "Based on Movie Ratings".

3. Conclusions

For research Question 1 (Is there a relationship between the years and the number of films?)

- Film productions are increase over the years.
- The 60s were the least years in which films were made.
- The year 2014 was the year during which films were produced.
- From this point, films are expected to increase each year in the future, despite the slight decrease in the number of films in 2015.

For research Question 2 (How long is the average movie?)

- The highest average run was about 100 minutes.
- Most running averages were less than 200 minutes.

For research Question 3 (Top 10 of movies Directors in 2011?
"Based on Movie Ratings")

- "Mark Cousins" Is the best Director in 2011 based on votes "rating 9.2", large difference compared to the rest of the differences.
- "Curt Morgan" Is the second Director in 2011 based on votes "rating 8.5"
- Top 10 Directors in 2011 their rating between "9.2" and "7.8"
- The average ratings for the top 10 Directors in 2011 was "8.08."
- The rating for 6 films has exceeded 1,200 recommendations.