

Highest Grossing Movies

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Overview

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a. Data Resources

b. Data Analysis

**4. Conclusion and
Recommendations**

Business Problem

The goal of this project is to analyze data needed by Microsoft to help them creating a movie studio and produce a movie that hits the box office.



Problem

- Create a movie studio.
- Produce a movie hits the box office



Solution

- Calculate the most effective factors on box office profits.

Data

The data is collected from the most popular websites for Movies rating.

➤ **IMdb**

146,144 films from (2010-2021)

➤ **Rottentomatoes**

1560 films from (1971 -2018)

➤ **Box Office Mojo**

3387 films from (1970 - 2018)

➤ **The numbers**

5782 films from (1915-2020)

➤ **Themoviedb**

26516 films from (1930-2020)

Data Analysis

Measure Movie's Grossing by testing 3 factors affecting the movie's revenues.



Estimation
of box
office
profits per
movie's
genre.

Relationship
between
Movie's
Production
budget and
Movies
grossing.

Box
office
profits
based
on
Movie's
release
month.

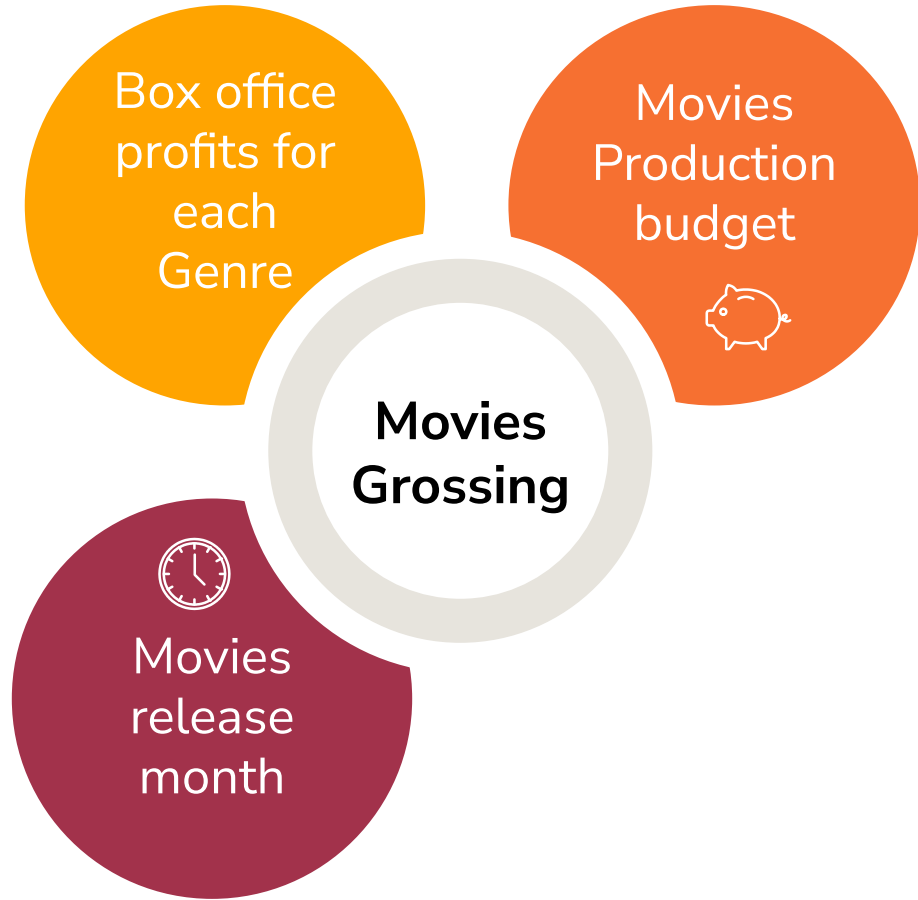
Methods

- Preparing the data (load,clean,join).
- Using statistical calculation
- Visual analysis to interpret the statistical



Results

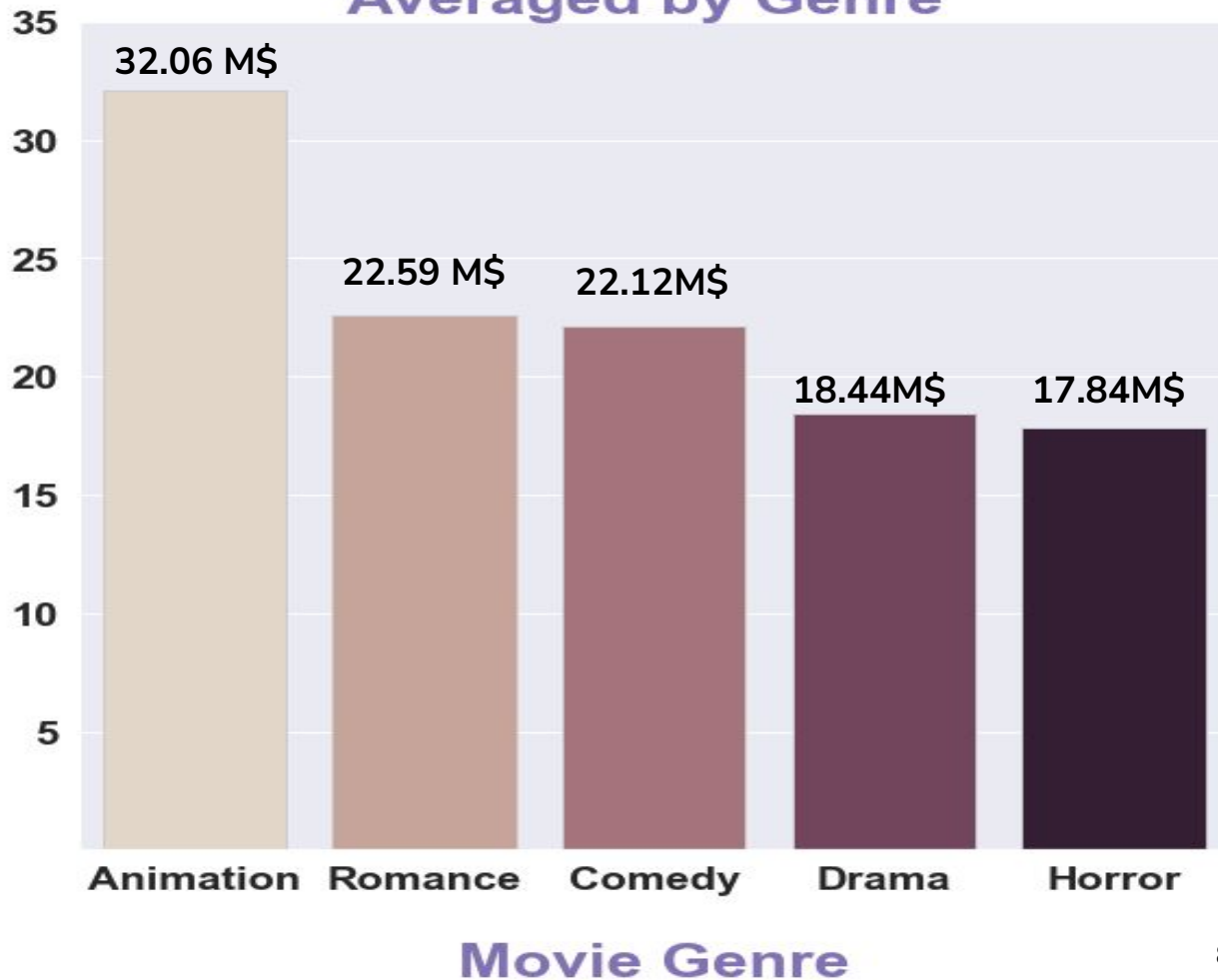
LET'S
REVIEW
SOME
CONCEPTS



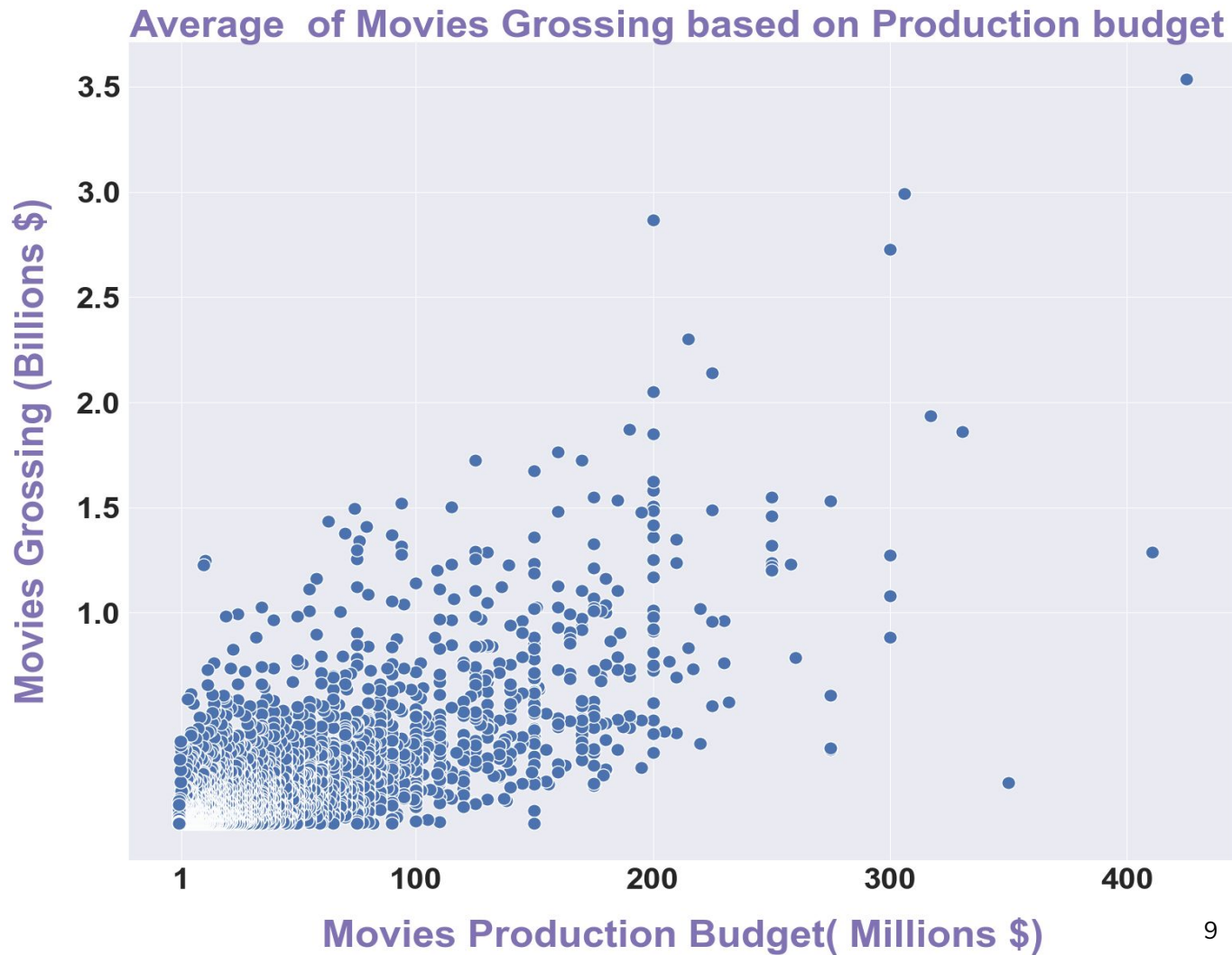
Animation
Genre
gains highest
profits on Box
Office.

Box Office Profits (Millions USD)

Top Five Box Office Profits Averaged by Genre



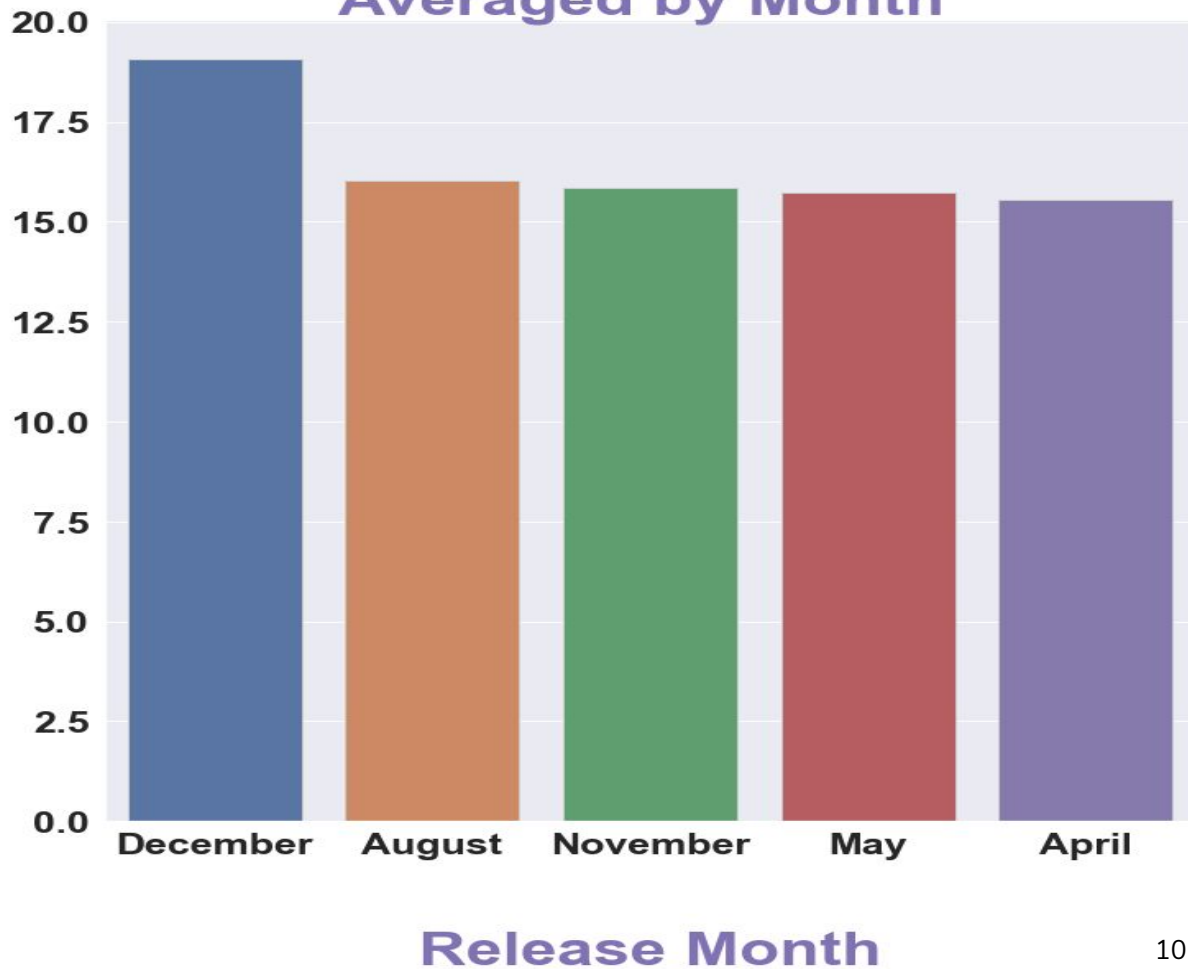
Positive
relationship
between
Production
Budget and
Movies
Grossing



Highest box office profits records in December.

Box Office Profits (Millions USD)

Top Five Box Office Profits Averaged by Month



Conclusion & Recommendations

This analysis leads to three recommendations for helping Microsoft to understand the factors that are affecting their profits.

- Top five box office profits on Animation,Romance,Comedy, Drama,Horror genres.
- The average production budget should be between (100-400) million dollars.
- Microsoft should release their movie in December.

THANKS!

Any questions?

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