Highest Grossing Movies

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Overview

1. Business Problem

2. Data

a. Data Resources

b .Data Analysis

3. Results

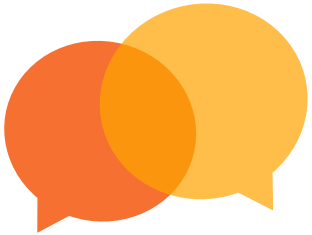
4. Conclusion and Recommendations

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**

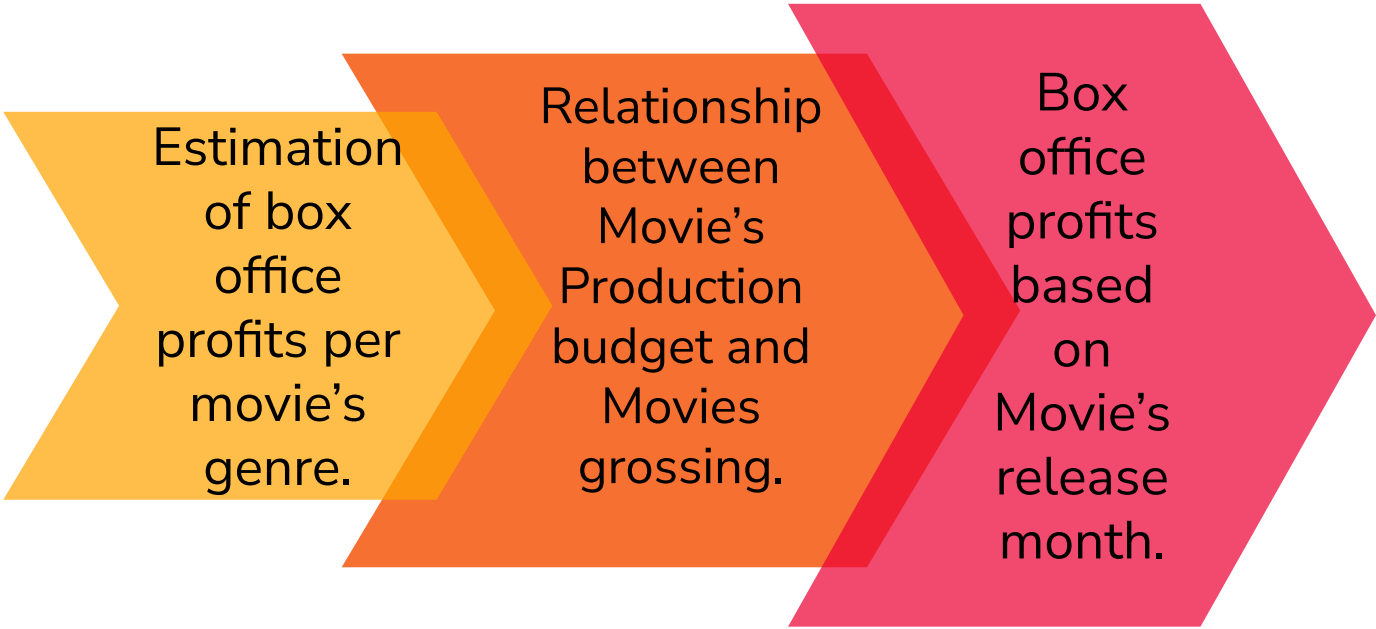
  5782 films from (1915-2020)

- **Themoviedb**

  26516 films from (1930-2020)

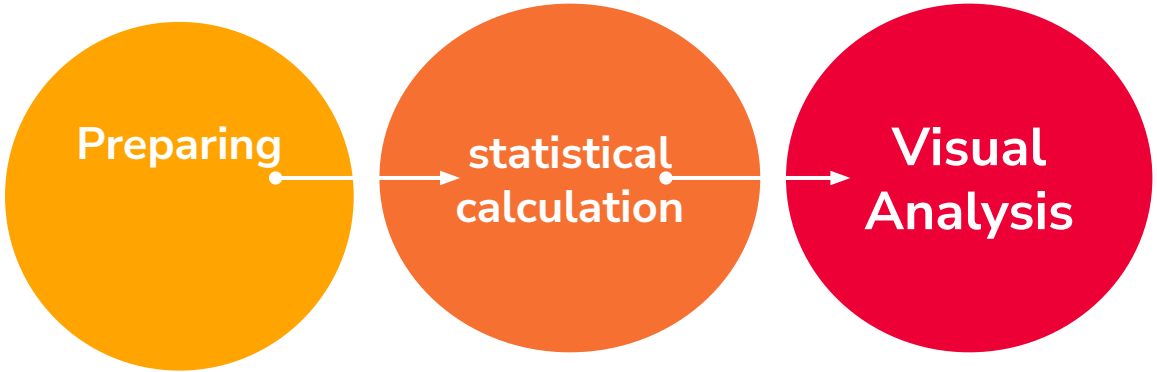
Data Analysis

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



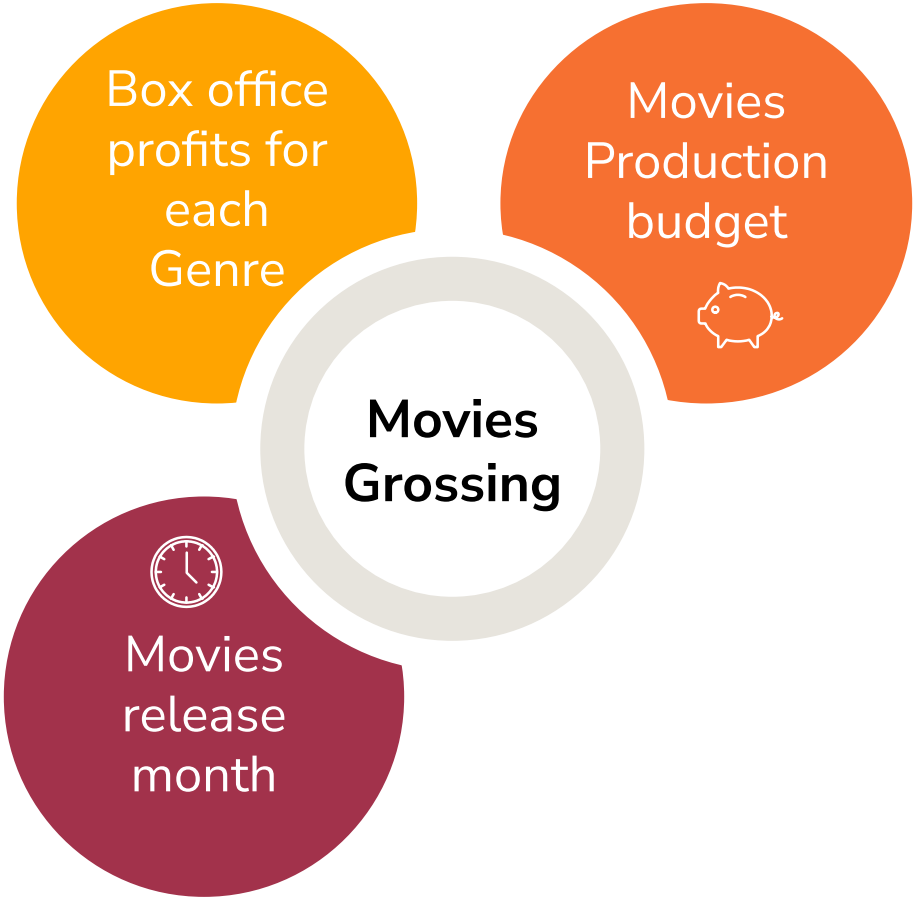
Methods

- Preparing the data (load,clean,join).
- Using statistical calculation to determine the factors can increase the box office revenues.
- Visual analysis to interpret the statistical

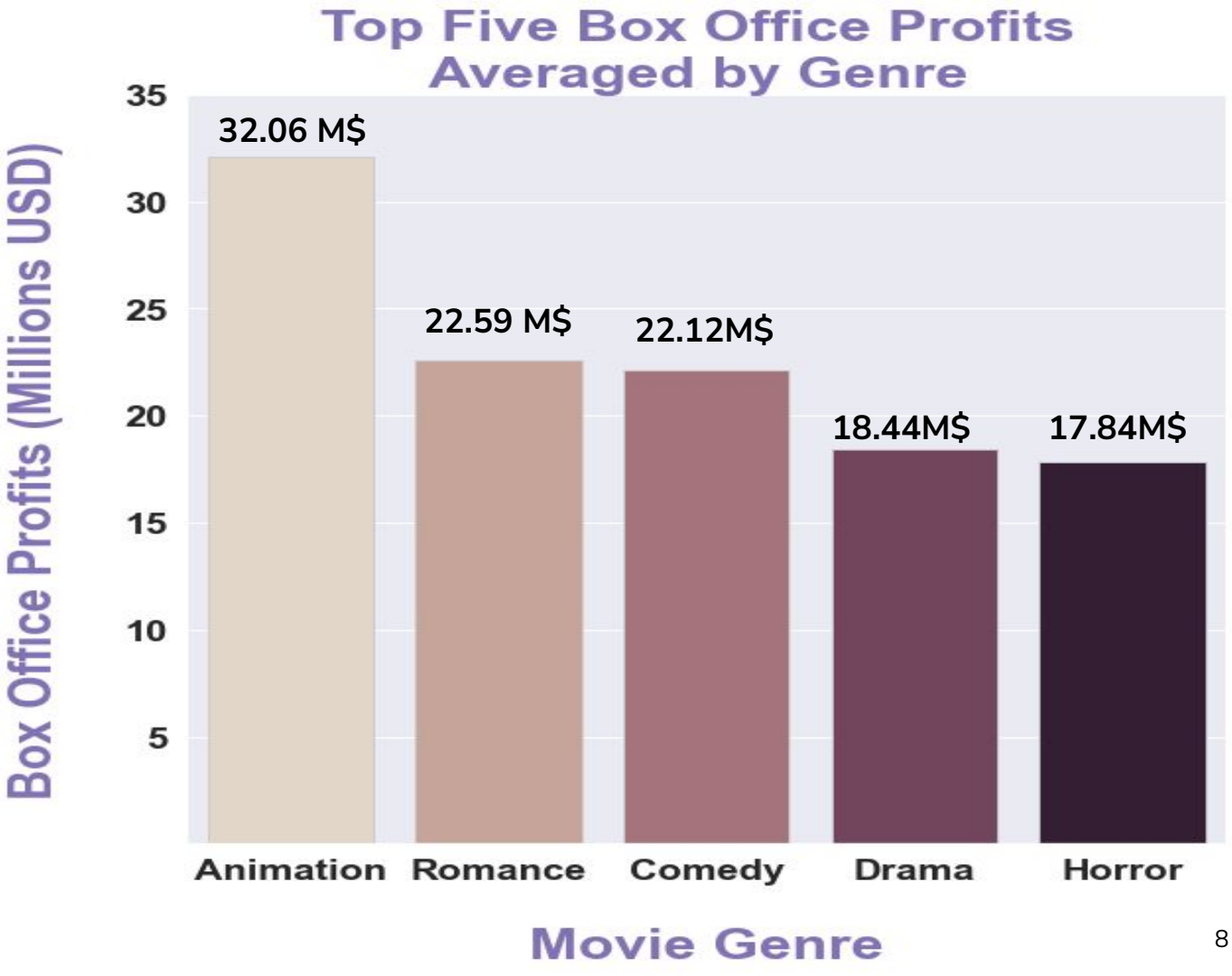


Results

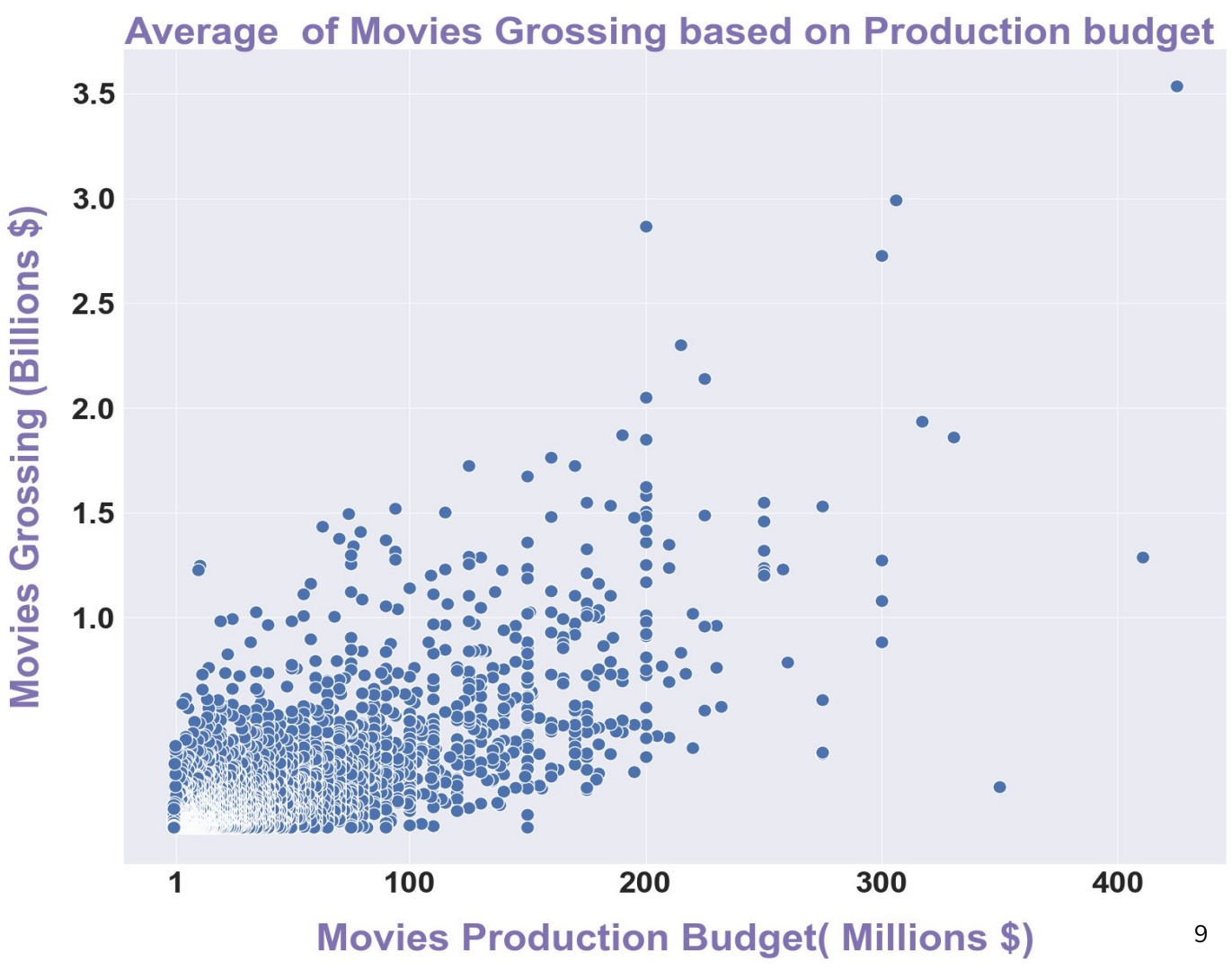
LET'S REVIEW SOME CONCEPTS



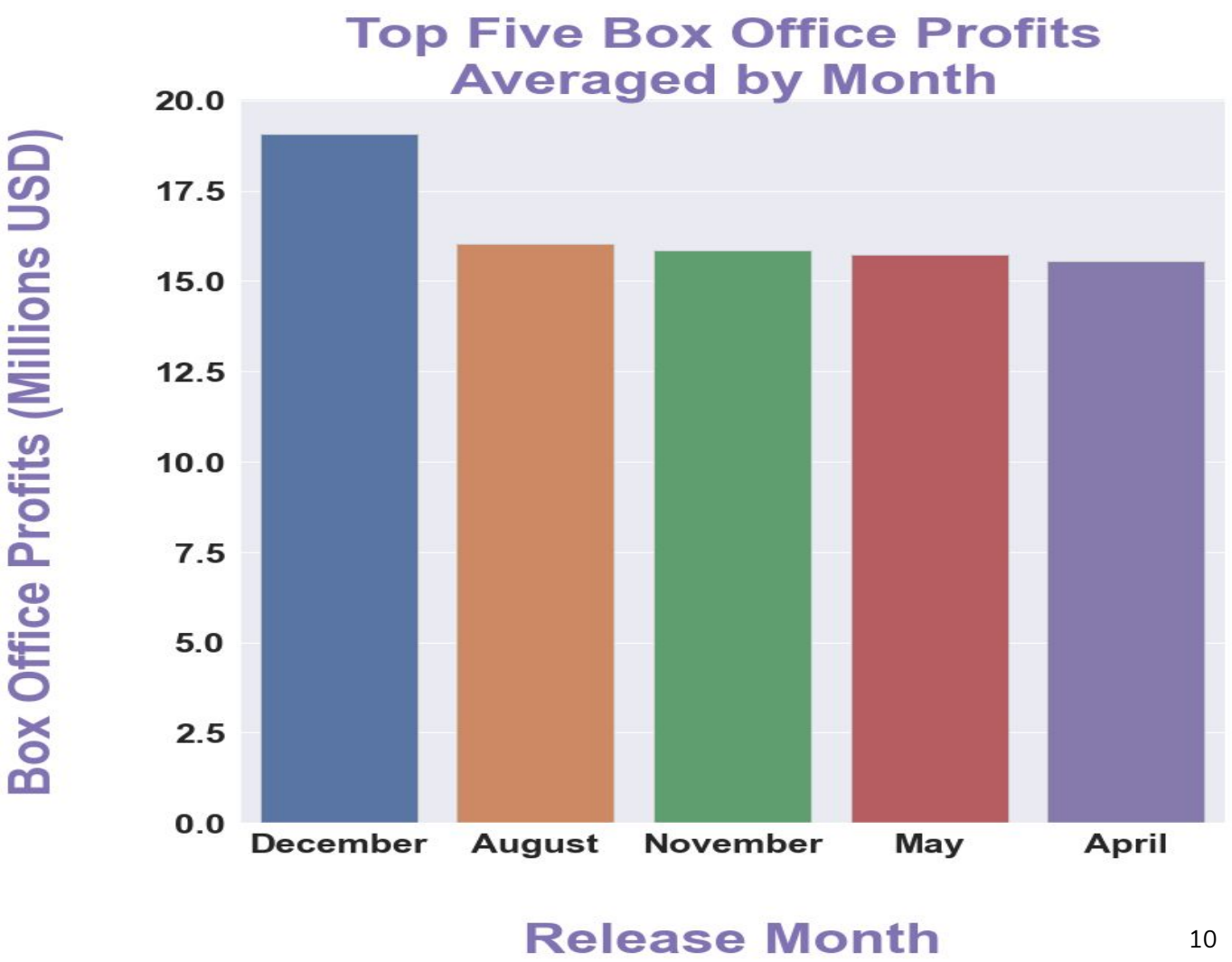
Animation Genre gains highest profits on Box Office.



Positive relationship between Production Budget and Movies Grossing



Highest box office profits records in December.



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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