

Box Office Revenues

BY: Mays Alkhwitar



Overview

1. Business Problem
2. Data
3. Data Analysis
4. Results
5. Conclusion
6. Recommendations



Business Problem



Problem

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



Solution

- Calculate the most effective factors on box office profits.

Data

1.

IMdb

146,144 films
from
(2010-2021)

2.

Rottentomatoes

1560 films
from
(1971 -2018)

3.

Box Office Mojo

3387 films
from
(1970 - 2018)

4.

The numbers

5782 films
from
(1915-2020)

5.

Themoviedb

26516 films
from
(1930-2020)

Data Analysis

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

Question 1

Estimation of box office profits per movie's genre.

Question 2

Relationship between Movie's Director's Name and Movies grossing

Question 3

Box office profits based on Movie's release month.

Methods



Preparing

Preparing the data
(load,clean,join).

Statistical Calculation

Using statistical
calculation

Visual Analysis

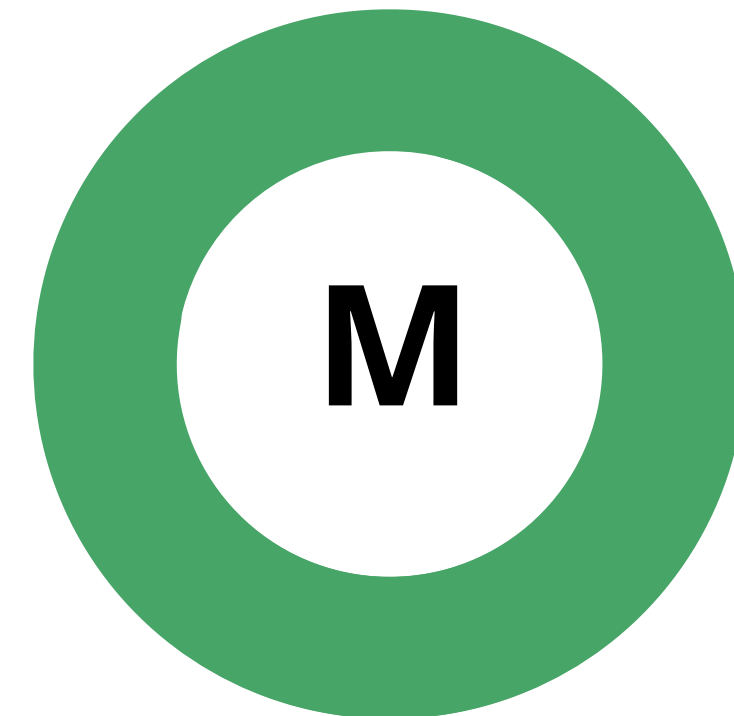
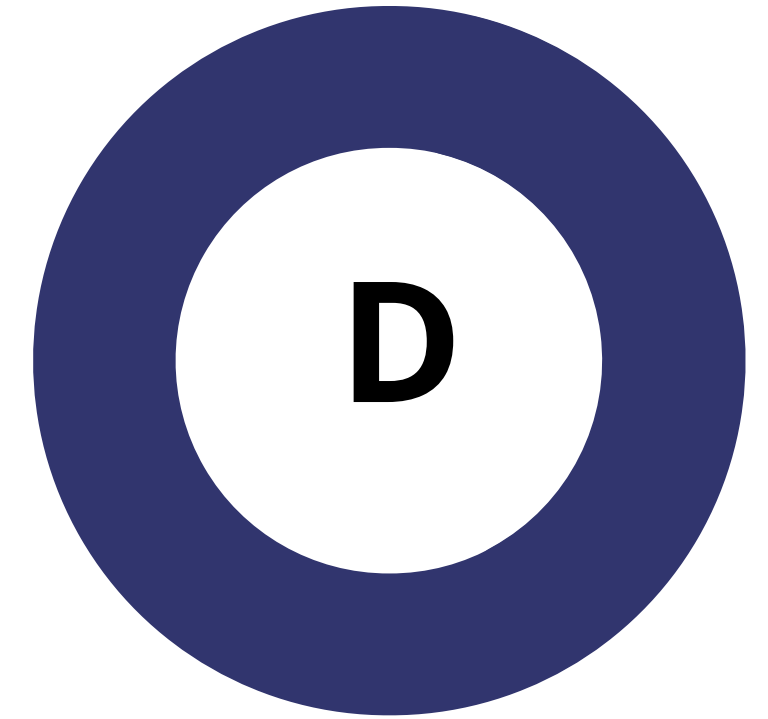
To interpret the
statistical

Results

Box office profits for each
Genre.

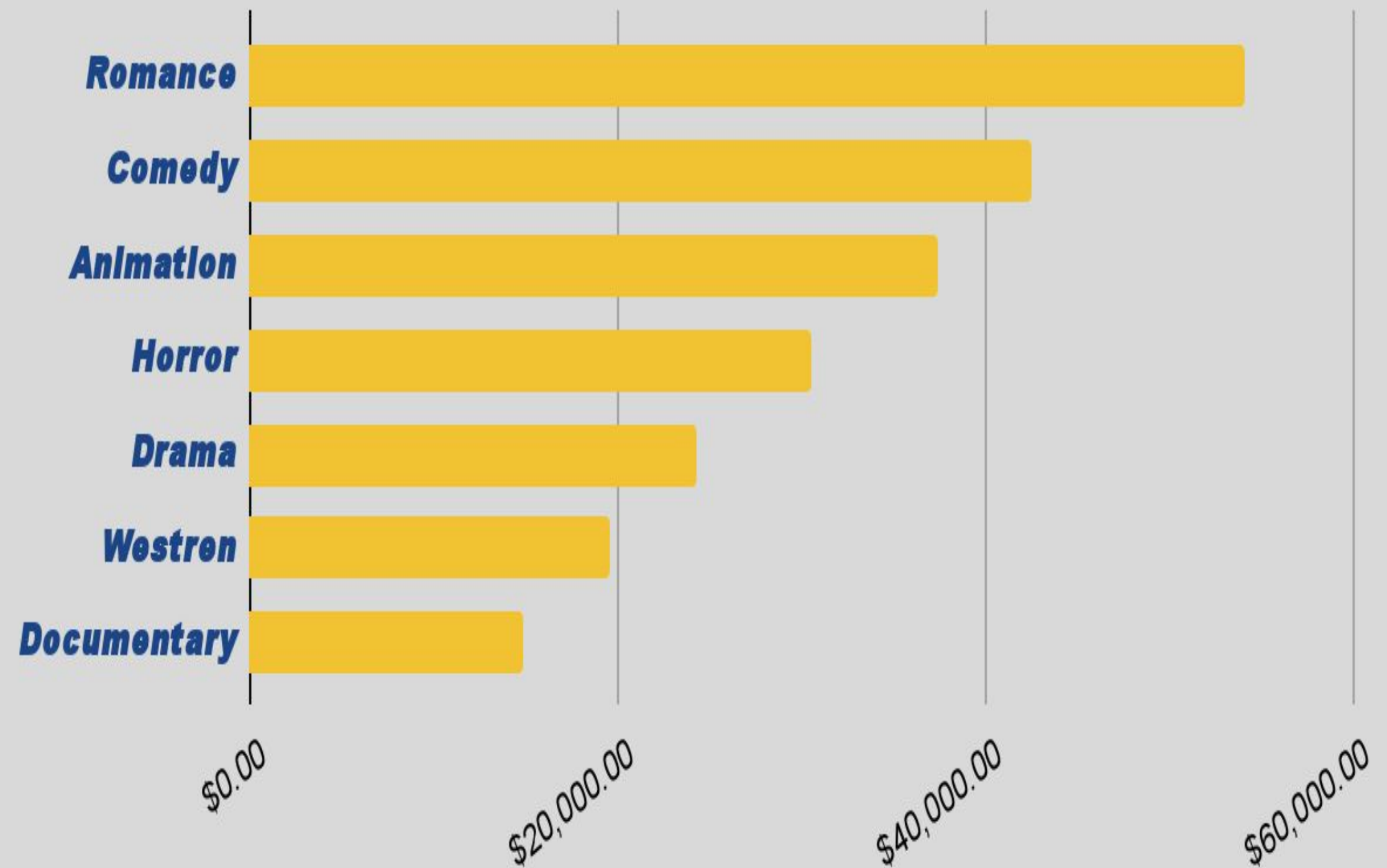
Movies Director's Name

Movies release month



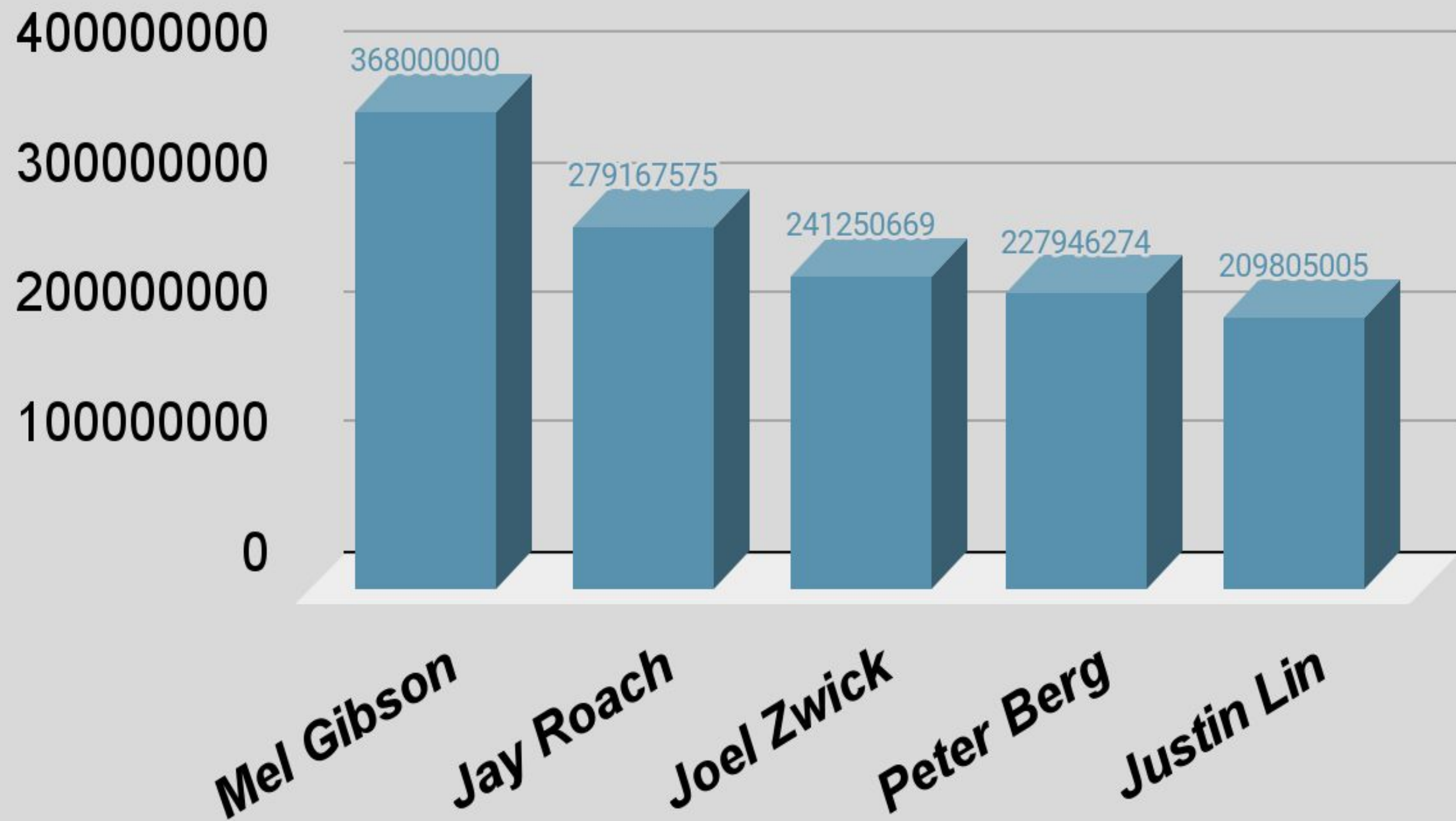
Romance
Genre
gains
highest
profits on
Box
Office.

Box Office Profits Averaged by Movie's Genre



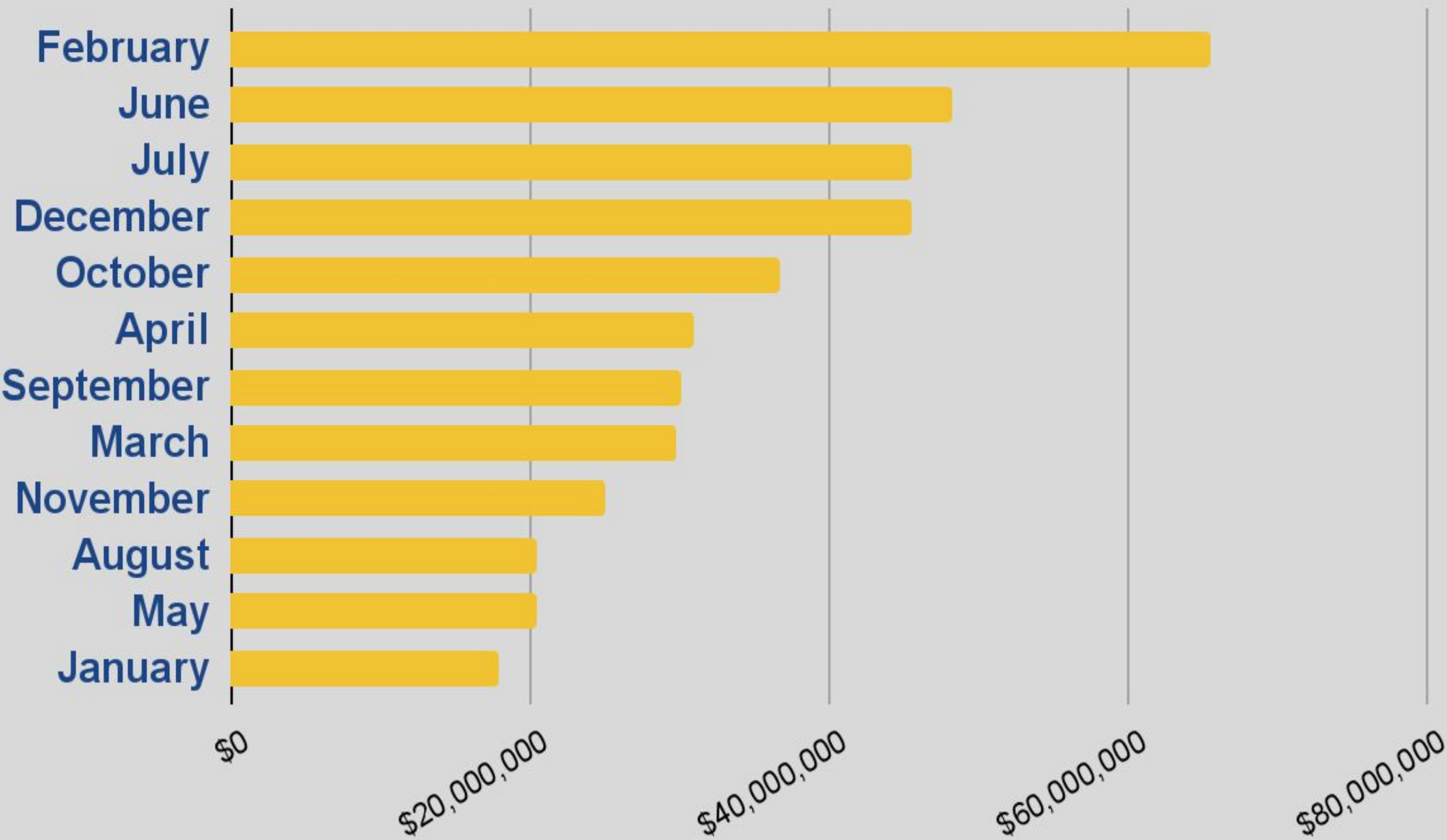
Positive
relationship
between
Director's
Name and
Movies
Grossing

Box Office Profits Averaged by Director's Name






Highest box
office
profits
records on
February

Box Office Profits Averaged by Movie's Release 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 Romance, Comedy, Animation, Horror, Drama genres.
-  The Positive correlation between the movie's Director's name and the movie's box office profits.
-  Microsoft should release their movie on February



thanks for watching

You can find me at :
mays802004@gmail.com
<https://github.com/maysasaad>