Microsoft Movie Analysis

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Microsoft

Summary

This project focuses on providing Microsoft Movie Studio with recommendations on how they can produce successful films.

Given a dataset containing files from popular film related websites, descriptive analysis was conducted to discover the top grossing genres, top grossing years, and top grossing studios. The results were used for recommendations, and Microsoft Movie Studio can effectively utilize these recommendations to create attractive, successful films.

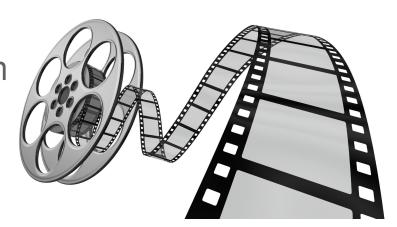
- Create movies that are either fantasies, musicals, sci-fi's, adventures, or animations
- Study top movies from the years 2010, 2012, 2016, 2017, and 2018
- Build partnerships with studios such as MUBI, Spanglish, Super, Blue Fox, or RLJ

Outline

- Business Problem
- Data & Methods
- Results
- Conclusions

Business Problem

- New movie studio
- Find the current best films in the Box Office
- Provide effective recommendations



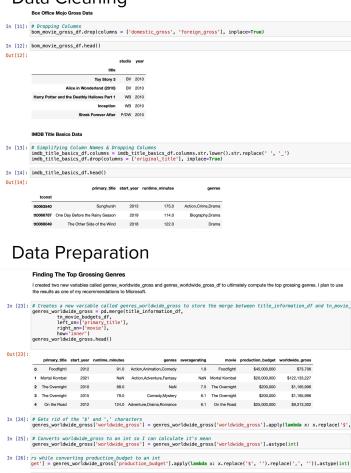
Data & Methods

• The data represented in this project were taken from the websites Box Office Mojo, IMDB, and The Numbers. The files used in this project represented movie-related factors, such as genre, year, and studio. Given the target variable worldwide success, I used each of these factors and filtered them to show the top worldwide grossing element of each.

 Descriptive analysis was conducted to show the top worldwide grossing genres, years, and studios.
This provides Microsoft's Movie Studio with the necessary information to create successful films.

Data Cleaning

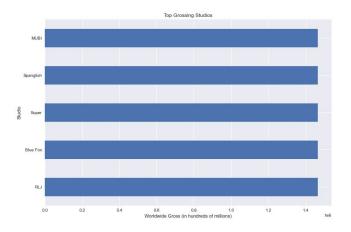
In [27]: genres_worldwide_gross



Results

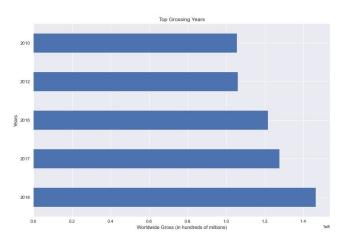
Top Grossing Years:

- 2010
- 2012
- 2016
- 2017
- 2018



Top Grossing Genres:

- Fantasy
- Musical
- Sci-Fi
- Adventure
- Animation



Top Grossing Studios:

- MUBI
- Spanglish
- Super
- Blue Fox
- RLJ

Conclusion

- Create movies that are either fantasies, musicals, sci-fi's, adventures, or animations
- Study top movies from the years 2010, 2012, 2016, 2017, and 2018
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Next Steps

- Make models more engaging (more color; different types of graphs)
- Creating models for other variables (i.e. directors, actors/actresses)
- Predicting likelihood of Microsoft's Movie Studio's success

THANK YOU!

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