

Exposition

James Benedito

Introduction

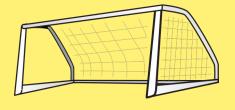
Problem:

 Microsoft wants to start a new movie studio, but doesn't have experience making movies.



Goal:

 Based on data analysis, give suggestions on types of movies Microsoft should make.



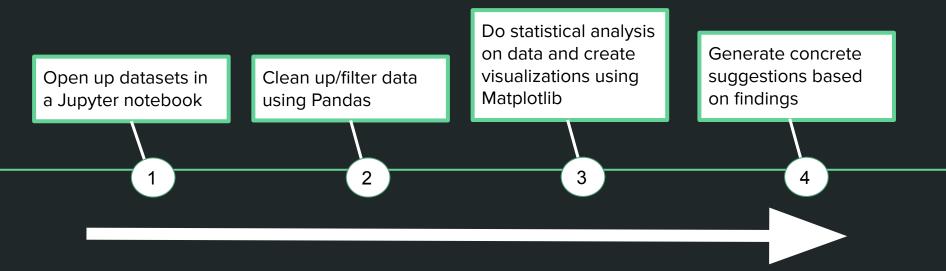
"Our mission is to empower every person and every organization on the planet to achieve more." -Microsoft

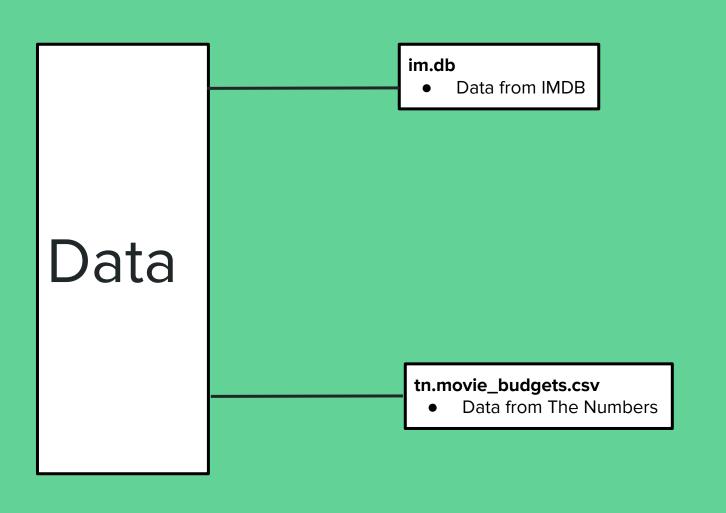
Variables to Consider

- Look at movies with...
 - Highest worldwide gross
 - Highest ratings
- To decide the...
 - Genre of film to make
 - Optimal runtime
 - Optimal budget



Methods (Process Steps)





im.db

Data from IMDB

Data





Parasite Trailer #1 (2019) | Movieclips Indie ■ 2:27

8.5/10 IMDb 99% Rotten Tomatoes 96% Metacritic

tn.movie_budgets.csv

Data from The Numbers



The Numbers

https://www.the-numbers.com

The Numbers - Where Data and the Movie Business Meet

The film earned a disappointing \$30.11 million in its opening weekend and currently sits with a six-day total of \$35.6 million from North American showings.

Daily Box Office Chart for ...

Register with The Numbers for free to see additional data and ...

Weekend Box Office Chart @

65 - Cocaine Bear (2023) - Jesus Revolution (2023) - ...

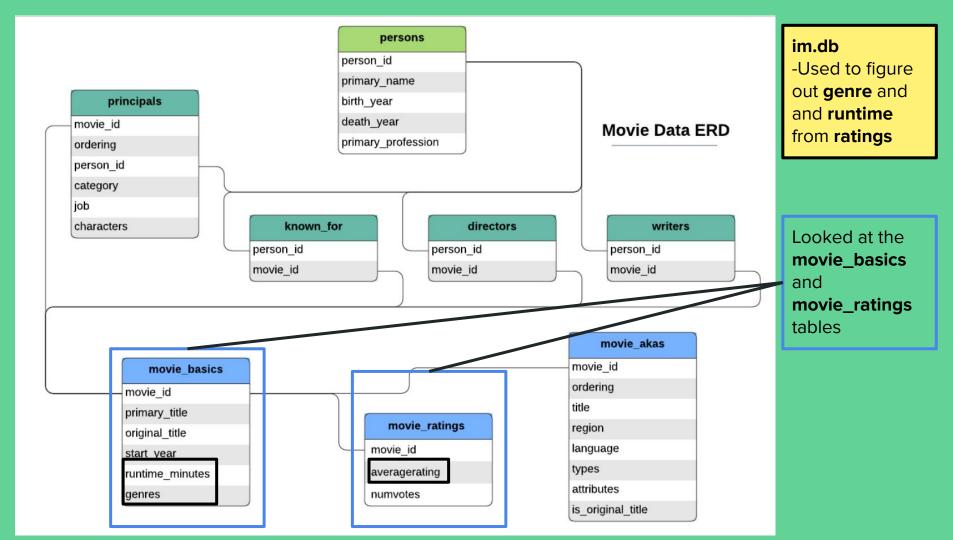
Movie Release Schedule 🕗

Release Schedule 2023 - Release Schedule 2022 - AIR (2023) - ...

Box Office Records ❷

Overview of the various movie box office records available at The ...

More results from the-numbers.com »



tn.movie_budgets.csv
-Used to figure out an optimal budget based on worldwide gross

	id	rologeo dato	movie	production_budget	domestic gross	worldwide gross
	ıu	release_date	lilovie	production_budget	domestic_gross	worldwide_gross
0	1	Dec 18, 2009	Avatar	\$425,000,000	\$760,507,625	\$2,776,345,279
1	2	May 20, 2011	Pirates of the Caribbean: On Stranger Tides	\$410,600,000	\$241,063,875	\$1,045,663,875
2	3	Jun 7, 2019	Dark Phoenix	\$350,000,000	\$42,762,350	\$149,762,350
3	4	May 1, 2015	Avengers: Age of Ultron	\$330,600,000	\$459,005,868	\$1,403,013,963
4	5	Dec 15, 2017	Star Wars Ep. VIII: The Last Jedi	\$317,000,000	\$620,181,382	\$1,316,721,747

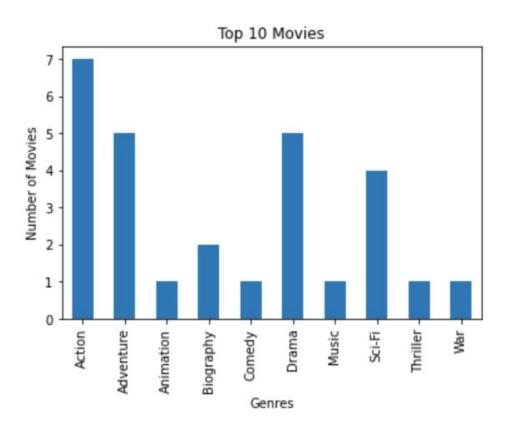
Results & Business Recommendations

Results: Genre

Genres	Average_Rating	Number_of_Votes
Action,Drama,War	9.3	100568
Action,Adventure,Sci-Fi	8.8	441135
Action,Adventure,Sci-Fi	8.8	1841066
Adventure,Drama,Sci-Fi	8.6	1299334
Biography,Comedy,Drama	8.5	677343
Drama,Music	8.5	616916
Action,Adventure,Animation	8.5	210869
Action,Biography,Drama	8.5	123638
Action,Adventure,Sci-Fi	8.5	670926
Action, Thriller	8.4	1387769

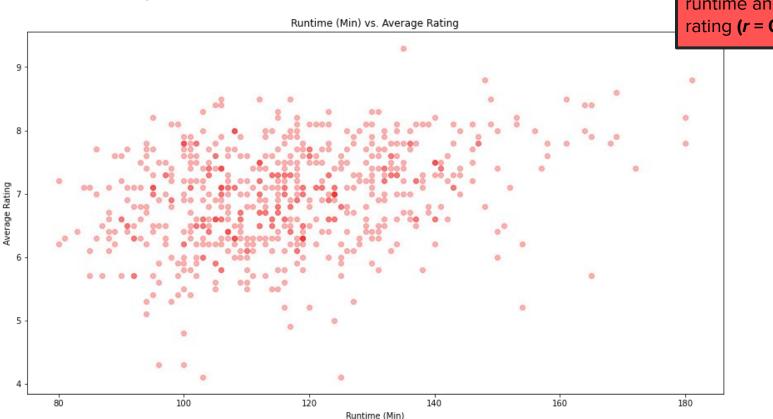
- Filtered by number of votes (> 100,000)
- Ordered by average rating

Recommendation #1: Genre



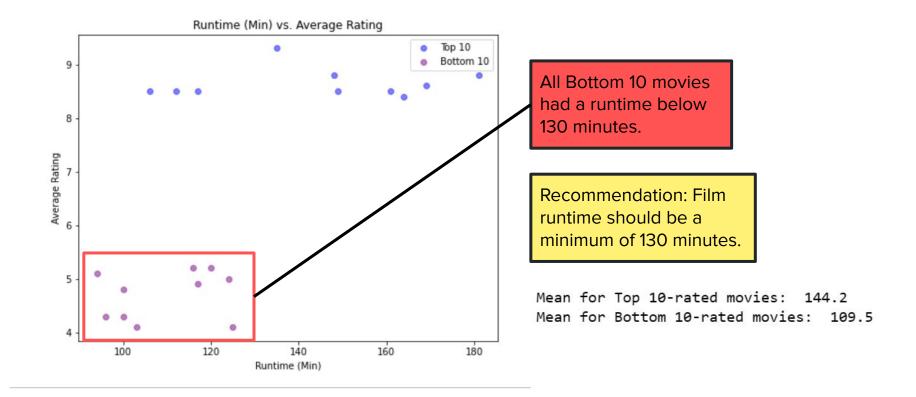
Recommendation: Film should have elements of action, adventure, and drama.

Results: Optimal Runtime

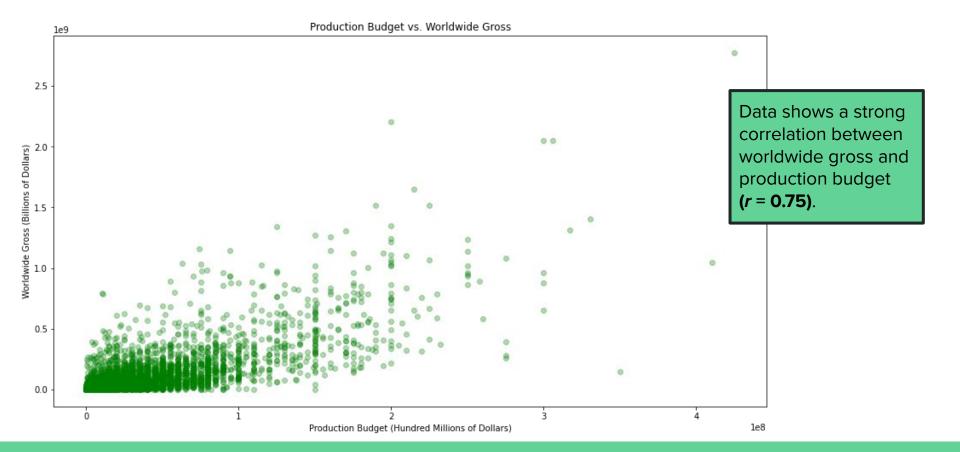


Data shows a weak correlation between runtime and average rating (*r* = **0.33**).

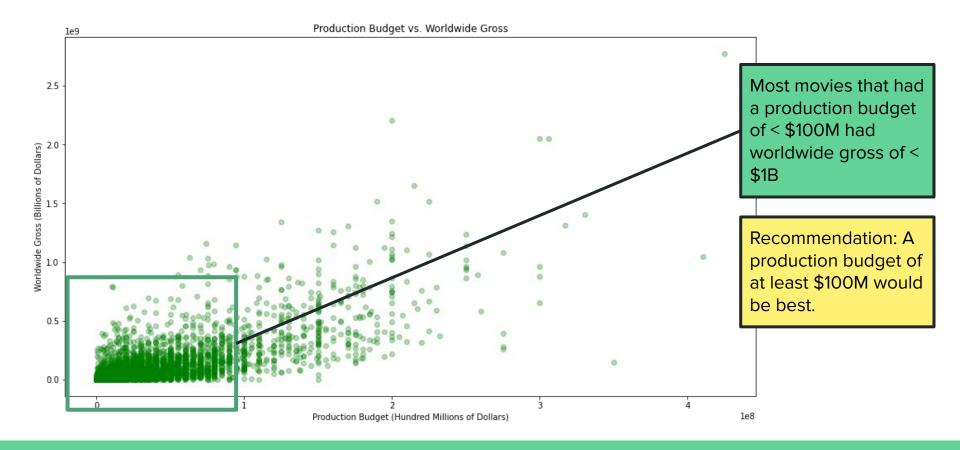
Recommendation #2: Optimal Runtime

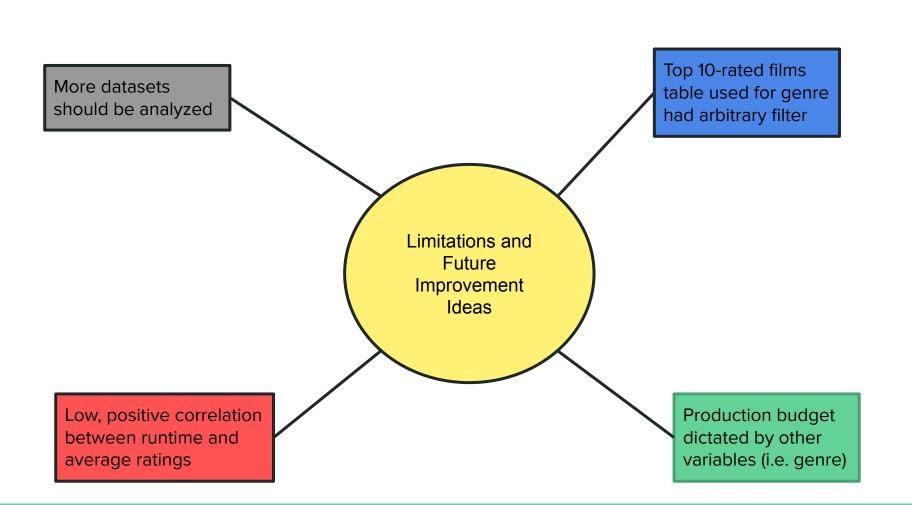


Results: Optimal Budget

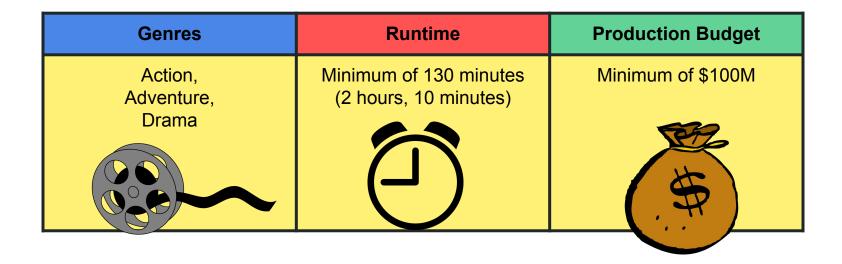


Recommendation #3: Optimal Budget





Summary



Contact

James Benedito jbenedito99@gmail.com

(702) 523-2734

Linkedln: www.linkedin.com/in/james-benedito-7b326b217

