

IMDb Movie Sales Analysis

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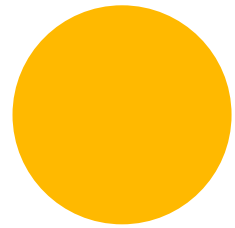
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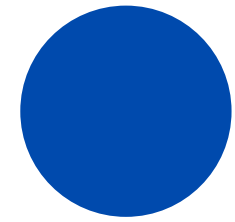
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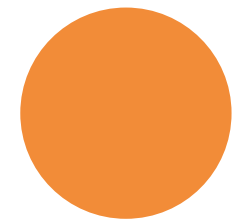
COLOR PALETTE



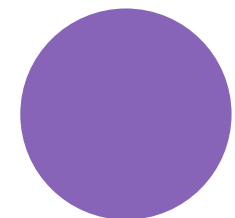
KEY METRICS OR TOP PERFORMERS
(E.G., HIGHEST REVENUE BARS OR AVERAGES)



TRENDS AND TIME-SERIES DATA
(E.G., GENRE REVENUE OVER YEARS)



CATEGORICAL SEGMENTS IN PIES/DISTRIBUTIONS
(E.G., GENRE SHARES)



RELATIONSHIPS AND CORRELATIONS
(E.G., RUNTIME VS. REVENUE LINES)



BUSINESS OBJECTIVE

- **IMDb was chosen because it is the world's most trusted and comprehensive movie database, offering reliable information on revenue, ratings, genres, and audience feedback.**
- **Identify top-performing genres and directors based on revenue trends.**
- **Analyze audience engagement through IMDb ratings and votes.**
- **Understand year-wise shifts in popularity and market performance.**

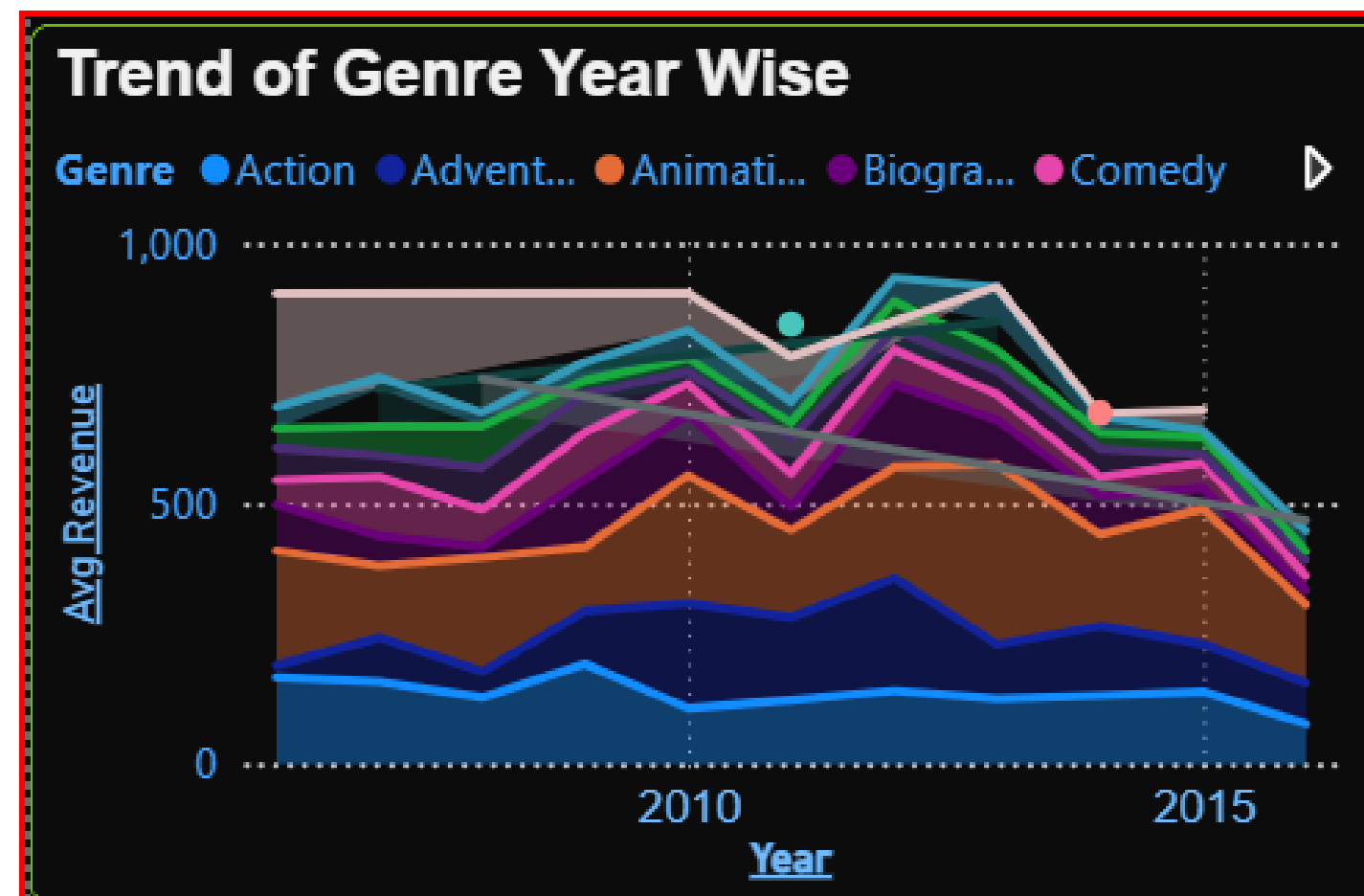
APPROACH TO PROVE BUSINESS OBJECTIVE

- **To Identify top directors by analyzing total movie revenue to see who earned the most.**
- **Analyze genres to determine which ones received the highest audience ratings.**
- **Explore relationships between key factors like rating, revenue, and runtime.**
- **Provide insights and recommendations to understand audience preferences and what makes a movie successful.**

DATA PREPARATION

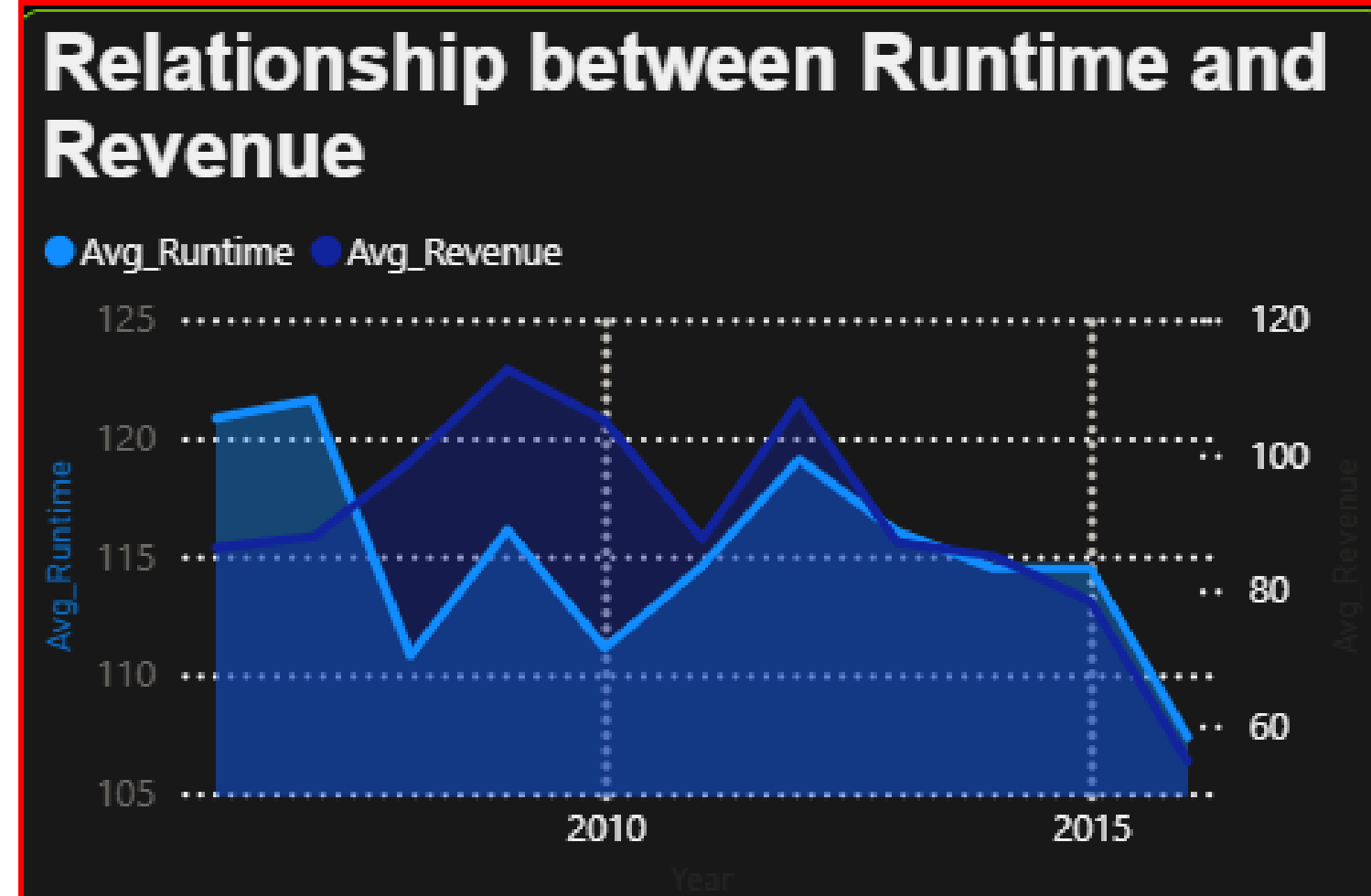
- **Steps Taken:**
- **Imported the dataset into Power BI for analysis.**
- **Handled missing data in columns such as Revenue (Millions) and Metascore.**
- **Changed data types —**
- **Converted Revenue (Millions) and Metascore to decimal number.**
- **Converted Year and Runtime (Minutes) to whole numbers.**
- **Cleaned the data by separating multiple genres into individual ones e.g.,
Action|Adventure|Sci-Fi → Action, Adventure, Sci-Fi.**

KEY VISUALS



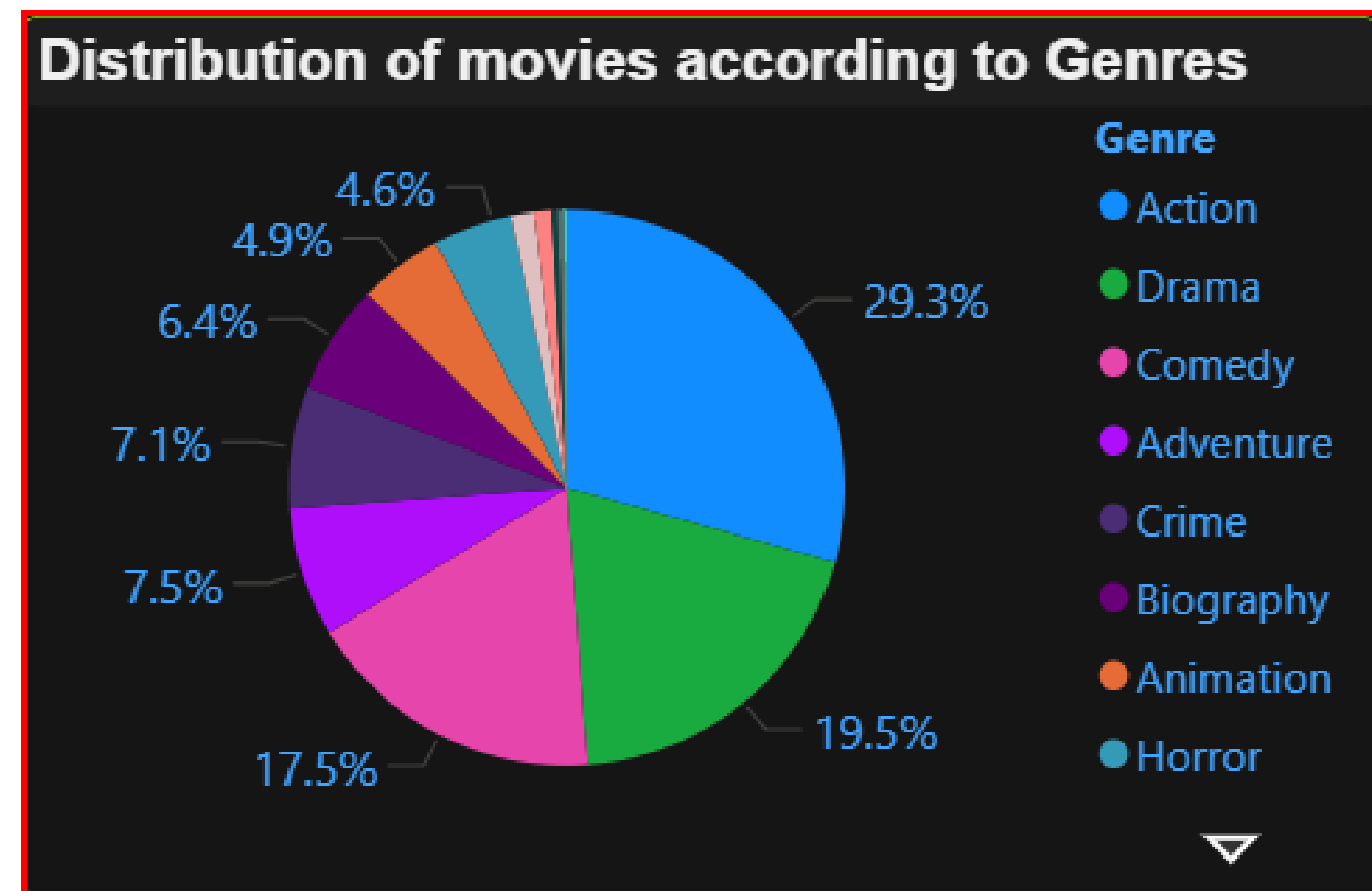
- This graph shows how much money different movie types (genres) made each year from 2006 to 2016.
- Action and adventure films started off strong, hitting big peaks around 2012-2013 , but then dipped a lot by 2015—maybe because people got tired of the same old explosion
- Comedy & Horror had a consistent low trend, showed volatility with a mid-decade dip, starting strong but falling ~30% by 2015,
- Overall 30-40% revenue decline post-2013 across genres hints at external factors like piracy
- Movies aren't forever trendy. Don't bet everything on one genre; mix it up or go for rising ones like sci-fi to avoid a flop.

KEY VISUALS



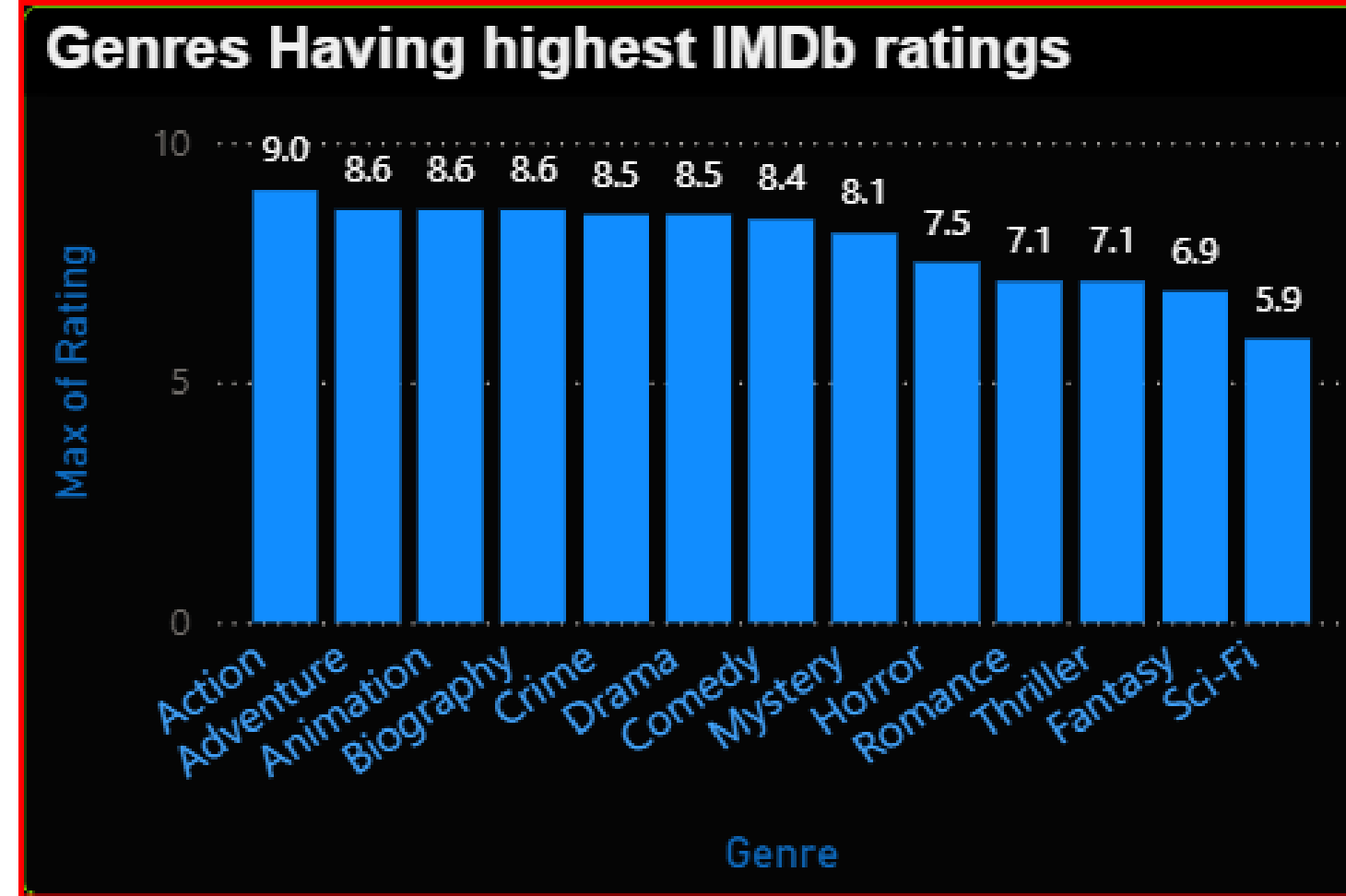
- This graph shows how movie runtime (length in minutes) and average revenue changed alongside each other over the years.
- Films around 115-120 minutes hit revenue highs in 2012-2013, but it's not a strict rule—longer isn't always better
- Aim for 110-120 minutes to hold attention without dragging (perfect for theaters or streaming).

KEY VISUALS



- This graph shows the percentage of the total number of movies that fall into each genre out of a collection of 999 films.
- Drama is the biggest slice at 29% After action and comedy ,But they often underperform financially.
- Biography (7.5%) punches above weight with high ratings—explore niche genres to avoid crowded drama space.
- Don't follow the crowd; spot gaps (like fewer biographies, which score high elsewhere) and fill them.

KEY VISUALS



- This graph shows the highest IMDb rating achieved by movies within each genre, ranked from highest to lowest.
- Biographies and sci-fi score a perfect 9.0, while horror and thrillers hover low at 5.9-7.1—maybe because they're predictable.
- Go for biography or sci-fi if you want critics and fans raving (great for festivals or word-of-mouth publicity which avoids advertisement costs).

DASHBOARD



DASHBOARD LINK

LINK

CONCLUSION

- Big hits from 2010-2015 were animation and action flicks by directors like Paul W.S. and David Yates, around two hours long, while biographies and sci-fi got the best ratings.
- Earnings dropped after 2013 as streaming took over, shaking up the industry.
- Overall, factors like genre, director, and runtime play a key role in making a movie successful

THANK YOU



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