

Introduction

This is an analysis project which focuses on analyzing animated movies details through interactive visuals showcasing trends and patterns.

Microsoft Power BI was used to transform & analyze this dataset into interactive dashboards.

Process Workflow



Problem Statement

- The goal of this analysis is to:
- Explore the animation movie dataset to understand the distribution of key variables.
- Analyze user ratings and vote counts to identify popular animation movies.
- Examine the revenue generated by animation movies and identify top-performing titles.
 - Explore trends in animation movie genres and identify popular genres over time.
 - Analyze production details, including budgets and production companies, to identify patterns and correlations.

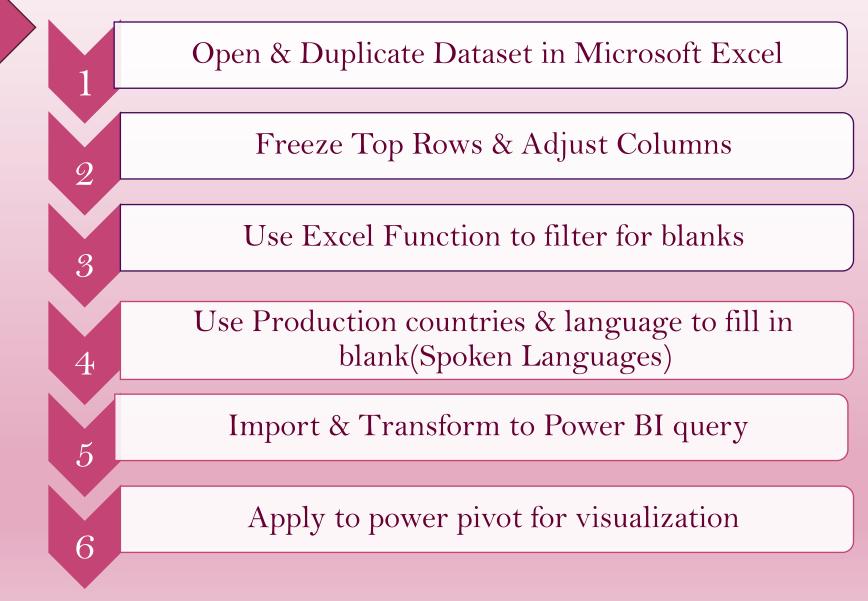
Dataset Details

Id	Title	Vote Average	Vote Count	Status	Release Date
Revenue Runtime	Adult	Backdrop Path	Budget	Homepage	Imdb_id
Original Language	Original Title	Overview	Popularity	Poster Path	Tagline
Genres	Production Companies	Production Countries	Spoken Languages		

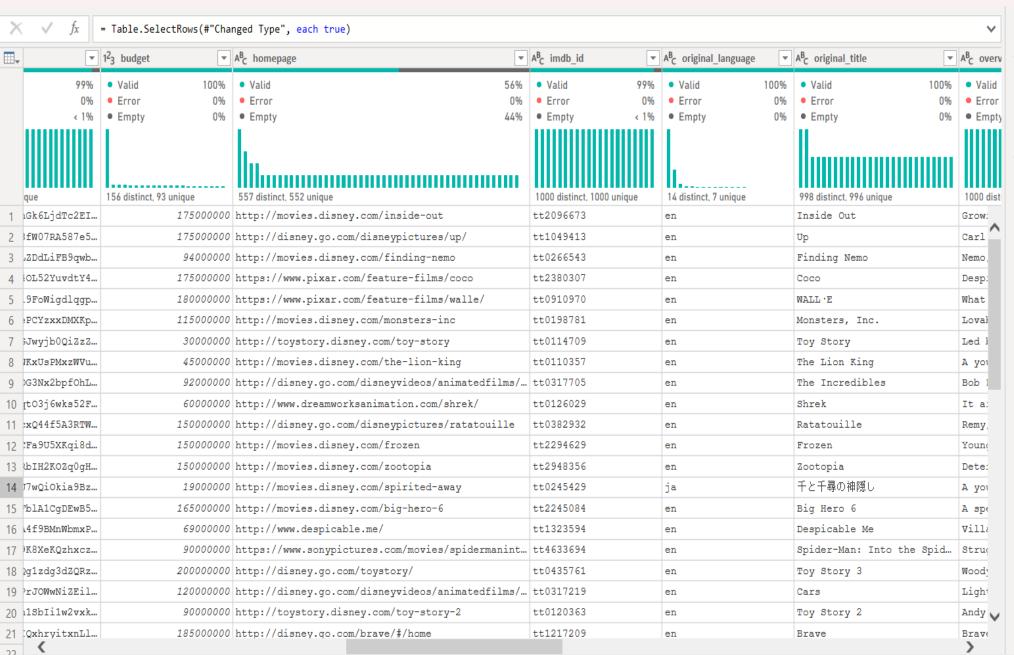
Unclean Data

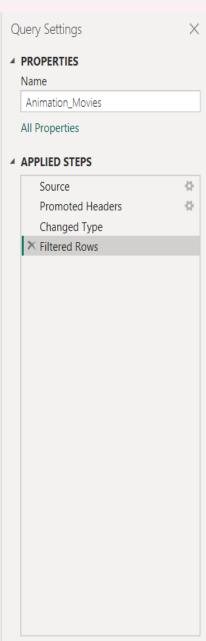
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Data Cleaning Process



Clean Data





Insight & Analysis



Most Common Genres

Family, Animation, & Comedy



Successful Films

Inside Out,
Up, WALL-E, &
Ratatouille

Box Office Successes



Toy Story, Frozen
Finding Nemo,
The Incredibles



Most Successful Studio

Pixar Studio

Vote Average

MIN:0 MAX:10 AVG:3

Films Year Span

1995 (Toy Story)

2018 (Spider-Man)

Vote count

MIN:0 votes MAX: 19,463 votes AVG:41 above votes



Notable Studios

- Disney Animation,
- Walt Disney Pictures
- Warner Bros Pictures
- * Studio Ghibli

Common Movie Themes

- * Family friendship, Adventure,
- ❖ Finding one's purpose
- Overcoming challenges

25 Popular Animated Films

- Pixar,
- Disney,
- DreamWorks

Most Language spoken
English

Data Visualization



🎒 Animated Movie Performance Dashboard 🎁



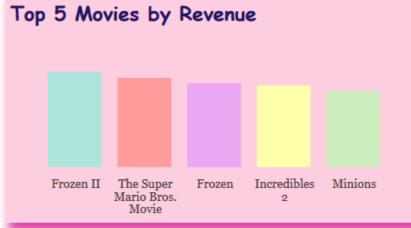




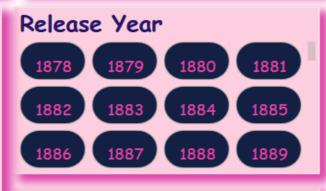




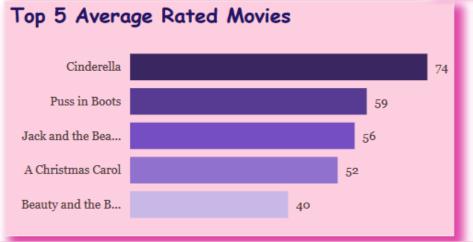


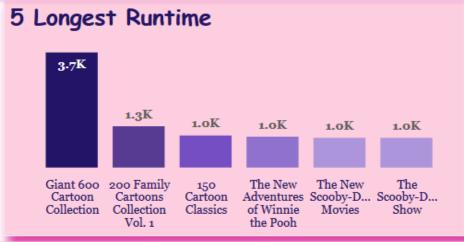


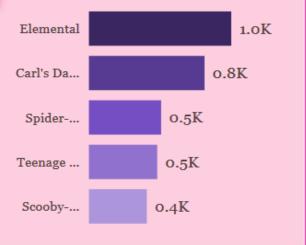




Top 5 Most Watched Movies







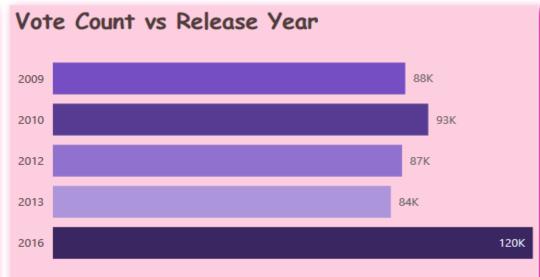
Data Visualization



Animated Movie Performance Dashboard

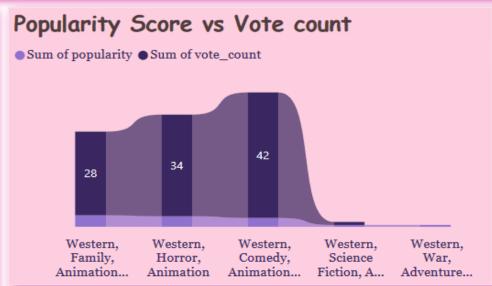


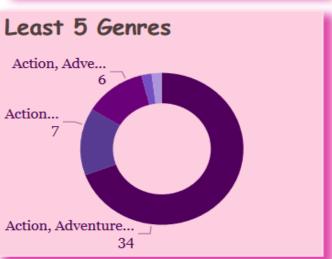












Recommendation

- Producer & Storytellers should focus on family-friendly, emotionally related stories with high-quality animation and compelling characters. Films like Inside Out, Up, Finding Nemo, and Coco shows the enduring appeal and commercial success of this approach.
- Expanding into underrepresented narratives and perspectives can help animated movies to reach a different dynamic of audience globally.
- Alternative distribution methods such as streaming platforms should be considered to adapt to evolving audience preferences and consumption patterns.

Limitation

- It did not include information about audience demographics, marketing strategies which can influence a movie's performance.
 - It lacked enough details about budgets.
- There is no recent date of production, which isn't enough to give fair evaluation knowing animated movies is an ever-evolving genre.

[Conclusion]

In conclusion, with expansion to include newer films, this dataset presents opportunities to gain insights on animated film success factors and industry trends.

Further analysis of relationships between measures such as ratings, revenues and genres could yield additional strategic guidance for filmmakers and studios.

