

# **Movie Industry Analysis Report**

**Generated by Colab Agent**

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## 1. Executive Summary

This report provides a comprehensive analysis of movie data, focusing on key metrics such as rating, revenue, genre performance, and director/star impact.

- Total Movies Analyzed: 9999
- Average Rating: 6.7/10
- Average Gross Revenue: \$28740668.22
- Top Genre: Drama
- Highest Rated Movie: The Shawshank Redemption
- Highest Grossing Movie: Star Wars: Episode VII - The Force Awakens

## 2. Key Business Insights

### 2.1 Quality vs Commercial Success

- Film rating tinggi (8.0+): 675 movies (6.8%) dari total dataset.
- Film sangat profitable (top 10%): 1000 movies dengan rata-rata rating 6.88.

### 2.2 Genre Performance

Top 3 Genres by Average Revenue:

Genre	Avg Revenue (\$M)
Adventure	\$70.2M
Animation	\$68.6M
Sci-Fi	\$54.8M

### 2.3 Optimal Runtime

- Rata-rata runtime untuk film berkualitas & profitable: 125 menit.
- Range optimal: 107-137 menit.

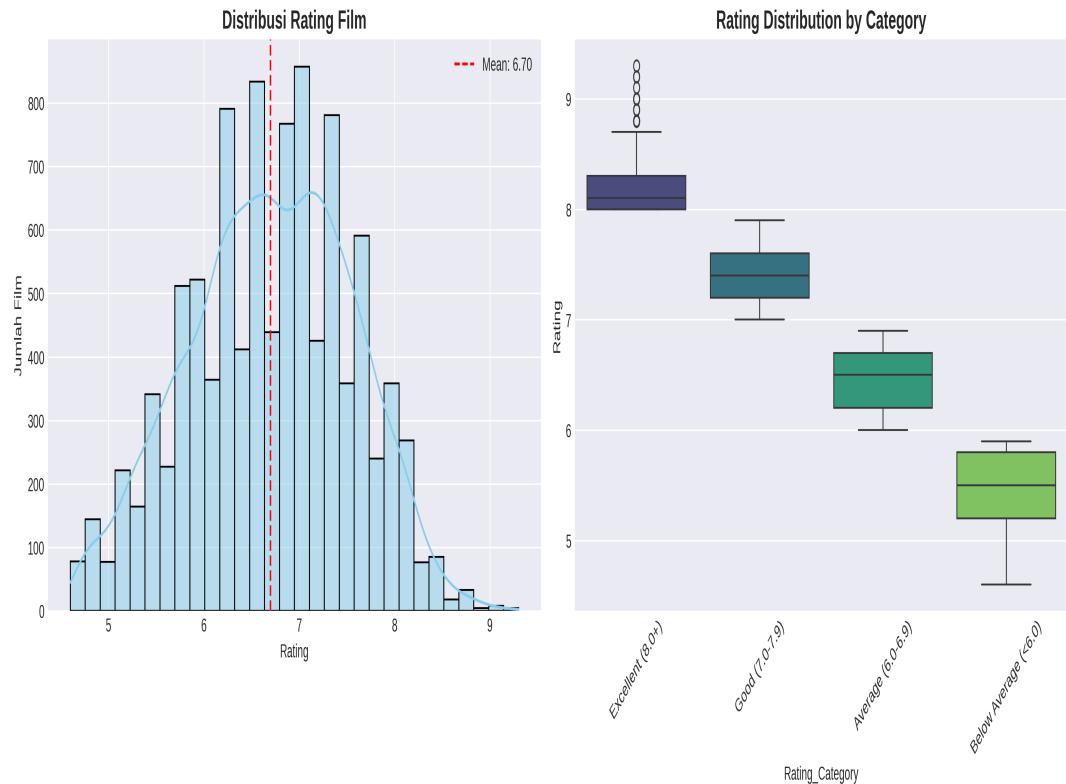
### 2.4 Votes Engagement

- Korelasi antara Votes dan Gross Revenue: 0.632 (korelasi positif moderat).
- Film dengan lebih dari 100K votes memiliki rata-rata rating 7.05.

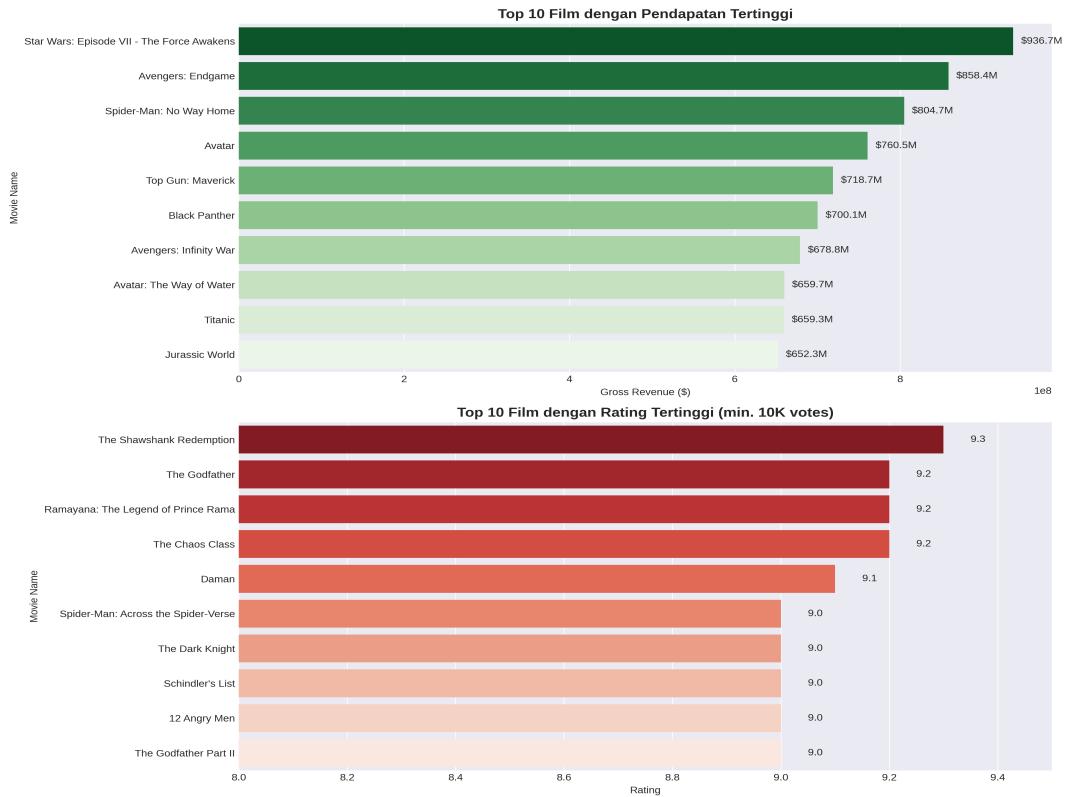
### 3. Visualizations References

Please refer to the following image files for detailed visualizations:

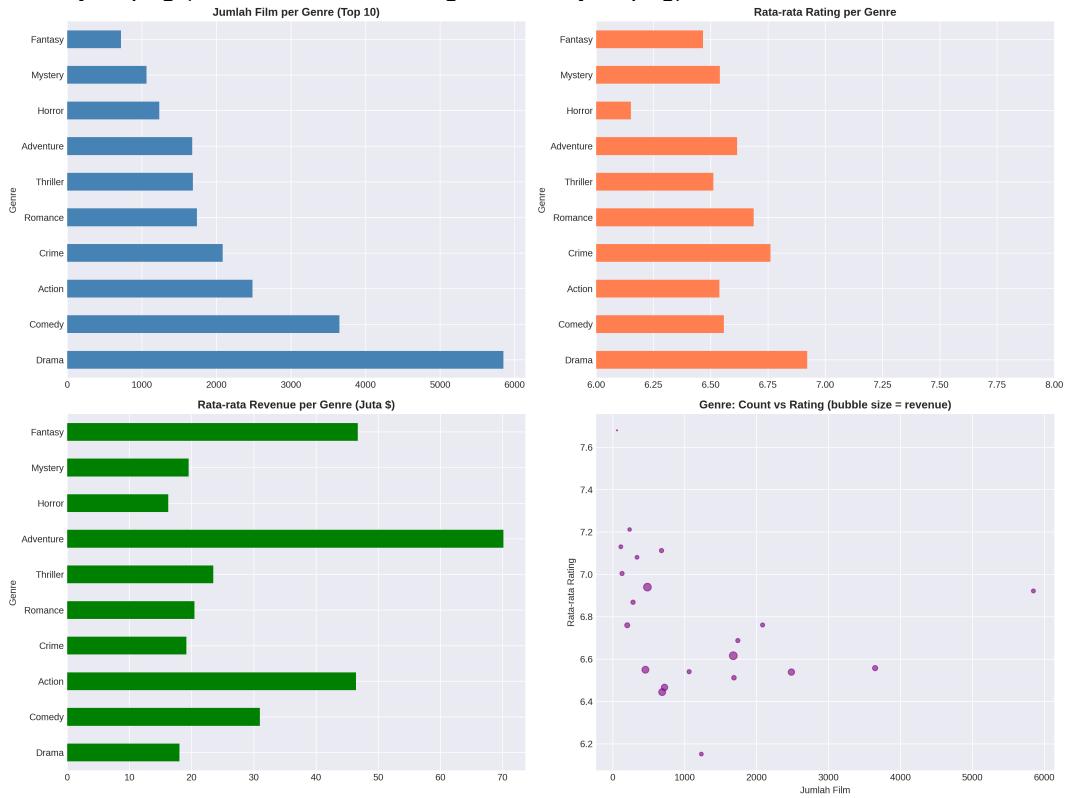
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- top\_movies.png (available at: /content/top\_movies.png)



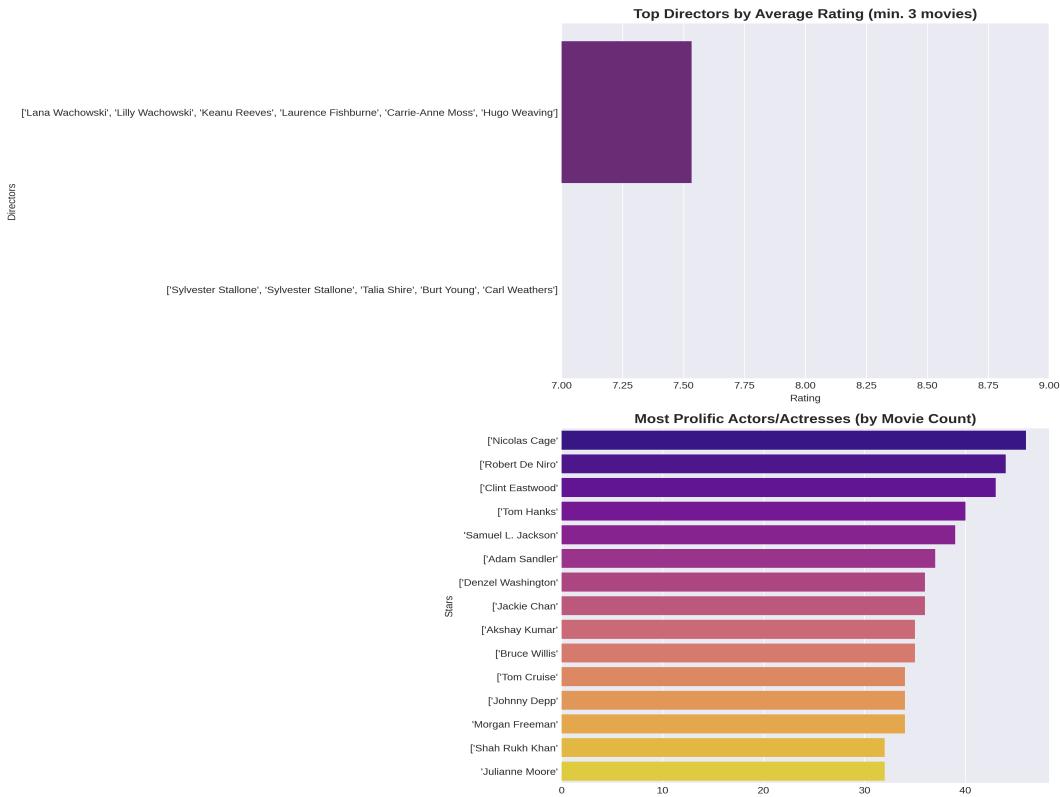
- genre\_analysis.png (available at: /content/genre\_analysis.png)



- correlation\_analysis.png (available at: /content/correlation\_analysis.png)



- directors\_stars.png (available at: /content/directors\_stars.png)



- plot\_wordcloud.png (available at: /content/plot\_wordcloud.png)

# Word Cloud: Movie Plots



End of Report