Descriptive Analysis Summary

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Total Movies: 575

Average Total Gross: $65,151,888

Average Inflation-Adjusted Gross: $119,588,697

Unique Genres: 12

Unique MPAA Ratings: 5

Earliest Release Date: December 21, 1937

Latest Release Date: December 16, 2016

Genre Distribution:

Comedy: 182, Adventure: 136, Drama: 119, Action: 41, Thriller/Suspense: 24,

Romantic Comedy: 23, Musical: 16, Documentary: 16, Western: 7, Horror: 6,

Black Comedy: 3, Concert/Performance: 2

MPAA Rating Distribution:

PG: 206, PG-13: 150, R: 110, G: 108, Not Rated: 1

Diagnostic Analysis Summary

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By Genre:

- Musicals have the highest inflation-adjusted average gross revenue, approximately $603.6 million.

- Adventure and Action genres also perform well, with averages of about $183 million and $134.4 million respectively.

By MPAA Rating:

- G rated movies have the highest inflation-adjusted average gross revenue, approximately $260.8 million.

- PG-13 and PG rated movies also show significant financial success.

Predictive Analysis Summary

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The predictive analysis aimed to forecast the total gross revenue of Disney movies. A linear regression model was used, resulting in a Root Mean Squared Error (RMSE) of approximately $72,488,815. This suggests the model provides a rough estimate of financial performance but with significant variability.