Predictive Model Summary:

- Model used: Random Forest Classifier
- Features considered: IMDB Rating, Gross, Runtime, Votes, Meta score, Sentiment Compound
- **Target variable:** Success (1 = Successful, 0 = Not successful)
- Model accuracy score: 1.0

Accuracy Score: 1.0						
Classificatio	on Report: precision	recall	f1-score	support		
0 1	1.00 1.00	1.00 1.00	1.00 1.00	154 46		
accuracy macro avg weighted avg	1.00 1.00	1.00 1.00	1.00 1.00 1.00	200 200 200		

- Key findings:
 - o Movies with higher ratings and grosses tend to succeed.
 - o **Positive sentiment** in overview text slightly correlates with success.
 - o Among genres, **Drama and Action** have higher average sentiment scores.

Important Features:

Gross Revenue

IMDB Rating

No of Votes

Sentiment Compound

Sentiment Visuals





