

## PROJECT TITLE :

### PREDICTING IMDB SCORES

## PROBLEM DEFINITION:

Predicting IMDb scores using applied data science involves utilizing various data analysis and machine learning techniques to build a model that can forecast the IMDb rating of a movie or TV show based on a set of relevant features. Predicting IMDb scores using applied data science is a complex task that requires a combination of domain knowledge, data expertise, and machine learning skills to build accurate and valuable predictive models for the film and entertainment industry. The output of the predictive model is a numerical estimate of the IMDb score, which is typically a continuous value ranging from 0 to 10, with higher values indicating better perceived quality. The ultimate aim of this predictive model is to assist movie studios, streaming platforms, and viewers in making informed decisions about which movies and TV shows to produce or watch based on their expected IMDb scores.

## LITERATE SURVEY:

<b>Predicting Movie Success and Academy Awards through Sentiment and Social Network Analysis</b>	by Asur, S., & Huberman, B. A. (2010)	This study explores the use of sentiment analysis of Twitter data to predict movie box office success and Academy Award nominations. It provides insights into the correlation between social media sentiment and IMDb ratings.
<b>Movie Success Prediction Using Random Forests</b>	by Prank Tripathy and Biswajit Tripathy (2015)	This research investigates the application of Random Forests, a machine learning algorithm, for predicting IMDb ratings based on various movie features such as genre, director, and cast.
<b>Predicting Movie Box Office Success by Word of Mouth</b>	by Dzyabura, D., & Luo, X. (2013)	This study focuses on predicting movie box office success using user-generated reviews and ratings from IMDb. It explores the relationship between early reviews and eventual box office performance.
<b>Movie Success Prediction using Machine Learning</b>	by Taher H. Al-Ghazali and Omar H. Alhaj Ali (2017)	This research employs machine learning techniques, including decision trees and support vector machines, to predict IMDb scores based on features such as genre, budget, and release date.

<b>Predicting IMDb Movie Ratings with User Reviews and Content-Based Features</b>	by Thomas Lansdall-Welfare, Saatviga Sudhahar, and Nello Cristianini (2015)	This paper discusses a comprehensive approach that combines user reviews and content-based features to predict IMDb ratings. It highlights the importance of text analysis in rating prediction.
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