Predicting a Film's Rating Utilizing Machine Learning

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Abstract

We present a program that will utilize existing data on films that have been released in order to predict the rating of a film that has yet to be released.

1 Problem Description

When creating a film, there are many factors that attribute to the success of the film. Film producers always want to make a profit and they will not know if their film will be a 'hit' or a 'flop' until it is released to the public. Our program will utilize factors to predict the average rating a film will receive and this well represent the film's predicted success.

2 Survey

Insert text here

3 Plan

March 8th - Understand the Problem in-depth
March 14th - Develop a data base for the code
March 25th - Complete a base algorithm for Project
March 29th - Complete Intermediate Project Report
April 10th - Research ways to make algorithm more accurate
April 20th - Edit algorithm to be more effective and more precise
April 29th - Complete Final Project Presentation
May 4th - Complete Final Project Report

References

[1] Quader, Nahid & Gani, Md. & Chaki, Dipankar & Ali, Md. *A Machine Learning Approach to Predict Movie Box-Office Success*. Reading, Bangladesh, 2018.

[2] Sharda, Ramesh & Delen, Dursun *Predicting box-office success of motion pictures with neural networks.* Expert Systems with Applications. 30. 243-254. 10.1016/j.eswa.2005.07.018.