# **The Future of Movies**

Team 4 Project Team Work

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**Project Goal:** The aim of our project is to use machine learning to predict what movies and television shows would obtain a higher success rate, based off of certain facts(i.e. the director, actors, rating, platform, and genre).

**Research Questions to Answer (Question 1-2: Train Model, Question 3-4: Model Predict)**

* + What actors and director have the highest approval ratings? What genre is their best and what is their worst?
  + What streaming platform is the most popular? What is the best and worst genre of the platform? (Based on approval ratings)
  + Based off the trained data, what actor or director has the highest/lowest approval rating and what is the future of their movies?
  + Based off of the success of the actor/director, how can we predict the success of their future movies/shows respectively?

#Datasets to be Used Sources:

* <https://www.boxofficemojo.com/>
* <https://api.watchmode.com/>
* <https://github.com/lamlamngo/Box-Office-Mojo-API>
* <https://pure.coventry.ac.uk/ws/portalfiles/portal/11062379/author_revision_copy_Predicting_Movie_Success_with_Machine_Learning_Te....pdf>
* <https://developer.imdb.com/?ref_=imdb072023_sub_us_gs_20721251485_156068080498_kwd-423657490524&gad_source=1&gclid=Cj0KCQjwiuC2BhDSARIsALOVfBK6UDa05SkVObNlIkyrEQB87T-hAYPZ0D0Xhhg3nqIwawlI6JNl6D0aAp7FEALw_wcB>

#Rough Breakdown of Tasks

Cleaning the Data: All

Presentation: All