

## Capstone 3 Ideas

### 1. IMDB Sentiment Analysis using NLP

**Problem Statement:** Sentiment Analysis is an important technique for natural language processing that can help business interpret a consumer's perception of a product, service or brand. Business can benefit from sentiment analysis as it can help detect polarity from consumer responses (good vs bad), sort your data, and identify trends in real-time. A common example of using sentiment analysis is on customer reviews. A related technique of sentiment analysis is intent classification where machine learning attempts to understand the intent behind a response. This was the goal behind the sentiment analysis of the IMDB dataset. How accurately could we predict whether a review is positive or negative based on the wording? The dataset is available from several resources; this dataset was retrieved from the Kaggle website.

### 2. Classifying Movie Scripts: Predict the Movie Genre

The movie script to design a Natural language processing system that can help the customer classify it into the right genre in the coming future.

**Dataset:** <https://www.machinehack.com/course/classifying-movie-scripts-predict-the-movie-genre/>