Capstone 3 Proposal

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 wor
ding? The dataset is available from several resources; this dataset was retrieved from the Kaggle website.

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