**Youtube Rating System**

**Abstract**

YouTube is a popular video sharing website and used by many users for different purposes. Peoples watch, share, comments and likes on videos uploaded by the creator. Sentiment analysis is very useful topics in the field of information science. However, many commercial website, online shopping sites are frequently reviewing the comments posted by the user. In this paper we perform sentiment analysis on the YouTube comments related to popular topics using machine learning techniques/algorithms. We demonstrate that an analysis of the sentiments to spot their trends, seasonality and forecasts can provide a transparent picture of the influence of real-world events on public sentiments.

To perform classification on this data set we developed a system in which six different machine learning algorithms including Naïve-Bayes (NB), Support Vector Machine (SVM),Logistic Regression (LR), Decision Tree (DT), K-Nearest Neighbor (KNN) and Random Forest (RF) are implemented. Then the accuracy of the system is evaluated using different evaluation metrics e.g. F-score and Accuracy score.

**Review of Literature**

**References**

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