Joint Conference on

2nd International Conference of

AI and Data Science

October 26-27, 2022, Dubai, UAE

UNITED RESEARCH FORUM
(CONNECT WITH RESEARCH WORLD)

A Song Recommendation System Using Sentiment Analysis Based on User Reviews

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Abstract

Sentiment analysis and recommendation systems are among the most active areas of research in machine learning. Sentiment analysis focuses on using natural language processing and text mining techniques to evaluate the sentiment (i.e. positive, negative, neutral) of an unstructured text such as a tweet, comment, or product review. Recommendation systems use a variety of data science techniques to generate personalized content recommendations for the users. Here, we present a Python-based prototype for recommending songs to the users based on the sentiment of their reviews. We used the Amazon reviews and the Spotify music datasets from Kaggle for development purposes.

Biography

Andrew Kim is a senior at Cresskill High School in New Jersey. He is interested in computer and data science.