

**TEA RATING SYSTEM BASED ON VALUATION
COMMENTS.**

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Abstract

Predict the rankings for the tea using the valuation comments is a part of sentiment analysis, this is the task of using natural language processing to determine whether a piece of text contains some subjective information and what kind of subjective information it represents, that is, whether the text's attitude is positive or negative. The task may be done at different stages, such as classifying the polarity of individual words, sentences, or whole texts. It has been one of the most active research areas in natural language processing and text analysis in recent years. Second, it poses several challenging research problems. Because of its significance to industry and society, the research has expanded beyond computer science to include management and social sciences.

The research aim is to predict the rating systems to tea gradings using the valuation comments. Many previously used machine learning approaches were explored to gain a basic understanding of how to do sentiment analysis from the bottom up, mostly for English and other native languages.

Key Words: Machine Learning, Natural Language Processing, Sentiment Analysis, TF-IDF, Machine Learning algorithms