

Analysis of Text and Sentiment

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Abstract: *We wish to ascertain the overall sentiment of a given document, which is the goal of sentiment analysis, also known as opinion mining. Natural language processing and machine learning techniques can be used to extract a document's subjective content. Categorize it as positive, neutral, or negative based on its polarity. It is a very helpful analysis since it allows us to ascertain the general consensus regarding the sale of goods or forecast stock prices for a certain firm. For example, if most people have a positive opinion of a company, its stock prices may rise. Due to the complexity of the language (objectivity/subjectivity, negation, lexicon, and grammar), sentiment analysis is still far from being fully understood.*

Keywords: Sentiment Analysis, Machine learning, NLP, Dataset, Sentiment, Polaris.

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