

# Real Time Sentiment Analysis of Twitter Posts

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**Abstract:** *Social media have received more attention nowadays. Public and private opinion about a wide variety of subjects are expressed and spread continually via numerous social media. Twitter is one of the social media that is gaining popularity. Twitter offers organizations a fast and effective way to analyze customers' perspectives toward the critical to success in the market place. Developing a program for sentiment analysis is an approach to be used to computationally measure customers' perceptions. This paper reports on the design of a sentiment analysis, extracting a vast amount of tweets. Python is used in this development along with various modules such as Tweepy, numpy, pandas and Textblob. Results classify customers' perspective via tweets into positive and negative, which is represented in a pie chart and tabular form.*

**Keywords:** Sentiment Analysis, Twitter, NLP, Machine Learning, Text Classification, Opinion Mining.

