

Sentiment Analysis and Visualization of Real-Time Twitter Data

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Abstract

Sentiment analysis refers to the application for processing natural language, text mining, computational linguistics, and biometrics to methodology recognizes, extract, quantify, and learn affective states and subjective information. Twitter, being one among several popular social media platforms, is a place where people often choose to express their emotions and sentiments about a brand, a product, or a service. Analyzing sentiments for tweets is very helpful in determining people's opinions as positive, negative, or neutral. This paper evaluates the people's sentiment about a person, trend, product, or brand. Twitter API is used to access the tweets directly from twitter and build a sentiment classification for the tweets. The outcome of the analysis is depicted for positive, negative, and neutral remarks about their opinions using visualization techniques such as Google charts.

Keywords: Sentiment Analysis, Machine Learning, Tweepy, Textblob, Google Charts, Web Flask.

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