

Sentiment Analysis on X (Formerly Twitter)

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Abstract: *The current research extends beyond traditional methods by integrating transformer models and exploring domain-specific applications to enhance practical usage. Further challenges in sarcasm detection and context sensitivity are discussed. Sentiment analysis, also known as opinion mining, is a process that aims to determine the sentiment behind a piece of text. With the rapid rise of social media platforms like X (formerly known as Twitter), vast amounts of user-generated content are created daily. This paper explores the application of sentiment analysis on X to extract opinions, emotions, and trends from tweets. We implemented various machine learning (ML) and natural language processing (NLP) techniques to classify tweets as positive, n...*

Keywords: integrating transformer models