Title : Sentiment analysis and visualization of global COVID-19 vaccination plan using Naïve Bayes algorithm

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Abstract

The COVID-19 pandemic has emerged as one of the world's most serious threats, and it is still very much a concern. Around the same time, we are in the middle of the world's most extensive vaccine program to fight against the deadly virus. Unfortunately, while the vaccine has given the battle against COVID-19 a new lease of life, it has also sparked a wave of anti-vaccine protests.

Therefore, it would be helpful to use sentiment analysis on recent Twitter data by using Twint API to crawl Tweets data about vaccination on Twitter to gauge public opinion on the COVID-19 vaccine. Therefore, this research project will carry out sentiment analysis using the Naïve Bayes approach and know the views of the people around the world towards their perception on the COVID-19 vaccine and determine the percentage of their responses that are positive, neutral, or negative emotions regarding the vaccine for the final classification.