

Twitter Sentiment Analysis on COVID-19

Scope of project

Sentiment analysis is the automated process of analyzing text data and sorting it into sentiments positive, negative, or neutral. On 11th March 2020, World Health Organization announced COVID19 outbreak as a pandemic. This virus has infected and killed thousands of people from many European Countries and other countries as well.

While this pandemic has continued to affect the lives of millions, a number of countries have resorted to complete lockdown. During this lockdown, people have taken social networks to express their feelings and find a way to calm themselves down. In this project, sentiment analysis of the tweets related to covid-19 has been done. Tweets from many countries is taken into account.

This analysis is done to analyse how the citizens of different countries are dealing with the situation. The tweets are collected, pre-processed, and then used for text mining and sentiment analysis. The Naive Bayes algorithm is selected, which is used to predict the probability of different class based on various attributes.

In future, this work can be used to analyze the changing emotions and sentiments of people from various countries and check whether there are major shifts in them over the period of time. It is expected that as the spread of this pandemic will increase, the sentiments and emotions in the tweets may change on the lines.