

Team: Chirp

Team Members: Ashika Anand Babu, Subarna Chowdhury Soma, Vishnu Vardhan Reddy Yeruva

Project Name: Public opinion and sentiment analysis on the COVID-19 vaccine using Twitter data

The objective of this project is to collect tweets relating to the COVID-19 vaccine either from Twitter or from another data source and analyze the data to gain a deeper understanding of the data. Ultimately, the goal is to analyze public sentiments and opinions regarding COVID-19 vaccine by applying different approaches and understanding the important features of this data.

Following table is the high level requirements of our project:

Requirements:	Details:
1. Gain insights from exploratory analysis of data sources	To meet this requirement, we have to collect the data, perform all the preprocessing steps, and then visualize the data using different plots to fully understand it.
2. Get feature engineered attributes from data	To fulfill this requirement, we need to develop a feature engineering process and output will have important attributes after applying feature engineering techniques
3. Identify attributes that effects on public opinion and sentiment about COVID-19 vaccine	In order to fulfill this requirement, we need to identify the attributes/features from the data that have the greatest impact on public opinion and sentiment about the COVID-19 vaccine
4. Finally, do sentiment analysis from different aspects on COVID-19 vaccine twitter data	In order to satisfy this requirement, we must use sentiment computation techniques and compute sentiments using twitter data about the COVID-19 vaccine
5. Prepare project report	To complete this requirement, we have to write a project report with all the details and diagrams.