# Sentiment Analysis on Covid-19 Vaccine Tweets

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### TEAM-38

NAME	ROLLNO	BRANCH
Suvidha	19wh1a0579	CSE
Teja Sri	19wh1a1237	IT
Srinidhi	19wh1a05b3	CSE
Lahari	19wh1a0590	CSE
Rajani	19wh1a1241	IT

#### Introduction

#### The dataset is

• COVID-19 Vaccines Tweets

We try to understand how progress of vaccination programmes around the World (or in a specific country) is received by the public, as reflected in the tweets about all vaccines.

# Approach

- Imported libraries
- Preprocessing
- NLP Tasks
- Model building and evaluation
- Sentiment Analysis

### Learnings

- Natural Language Processing
- Naive bayes
- Support vector machine(SVM)
- Hyperparameter tuning
- Sentiment Analysis

### Challenges

- Finding best hyperparameters for the model.
- Preprocessing the text.

#### Tech Stack

- Latex
- Google Colaboratory
- Git Lab
- **Libraries:** pandas, numpy, matplotlib, seaborn, nltk, Wordcloud, Sklearn, plotly, re

#### **Statistics**

- Number of functions 5
- Number of lines of code 185

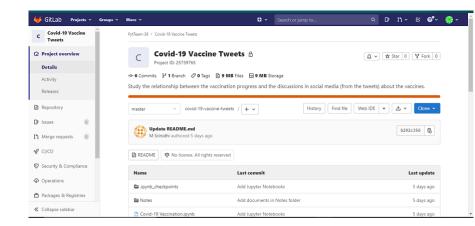
### References

- Machine Learning Text Processing
- https://sklearn.org/
- https://www.nltk.org/

### GitLab Link

https://gitlab.com/PytTeam-38/covid-19-vaccine-tweets

### GIT Repo





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