Pfizer Vaccine Tweets

- ## Abstract

In the recent past and before the spread of social networking pages, we were concerned only about how to deliver new and science-based information to the general public in order to prevent the spread of the disease and reduce its impact and deaths resulting from it, and when exposed to a new pandemic such as the emerging Corona virus, social media programs, especially Twitter, helped because it is easy to express people's opinions about taking the vaccine, in order to overcome this pandemic.

This project aimed to understand people's emotions about the pfizer vaccines by analyzing the tweets, The used data in this project is provided by Kaggle.

- ## Design

    Q1 - Is the Publisher account verified or not?

    Q2 - What are the sources of the tweet?

    Q3 - In which time this country showed an interest in vaccines?

    Q4 - What are the most important countries in which awareness of taking the vaccine is widespread?

- ## Data

    I plan Study the subjects of recent tweets about the vaccine made in collaboration by Pfizer and BioNTech, the data is collected using tweepy Python package to access Twitter API.
    dataset which contains almost all the useful information needed for this project (dataset).
    the scope of this project was the most recent version 140, It was from 12-21-2020 to 21-10-2021, the dataset is provided in .CSV format. containing 10847 rows and 16 columns.
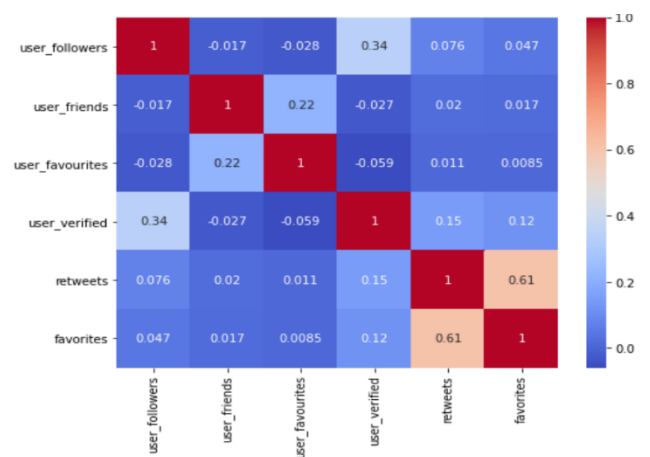
- ## Algorithms

  - Problem understanding
  - Data collection
  - Data cleaning
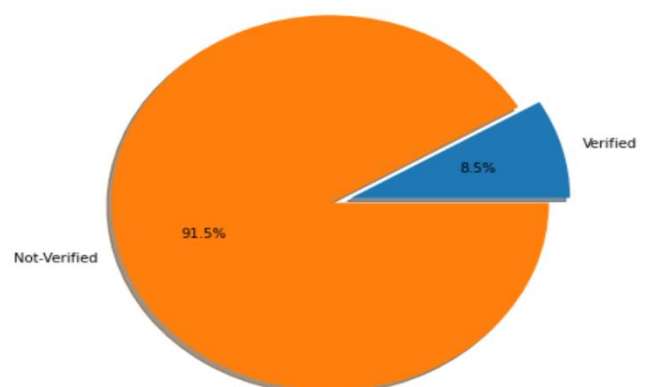 - Explore data
  - Finding and insights

- **Tools**

    - **Technologies**
      Python
      Jupyter Notebook
      powerpoint

    - **Libraries**
      Numpy
      Pandas
      Matplotlib
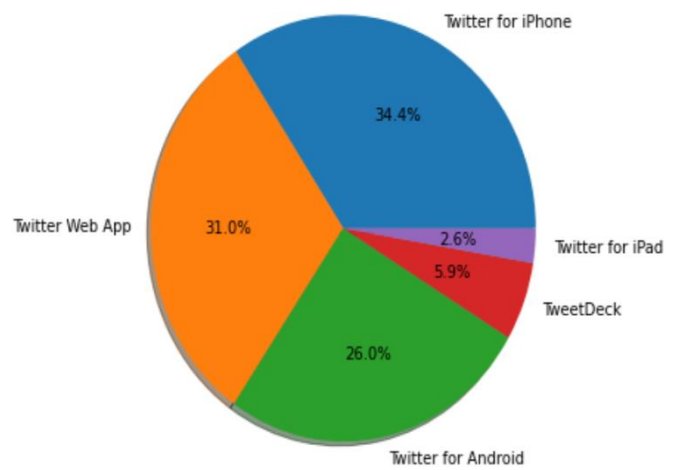   Seaborn
      Warnings
      Counter

• **Communication**

- Find Correlation
- the more retweets the more favorites
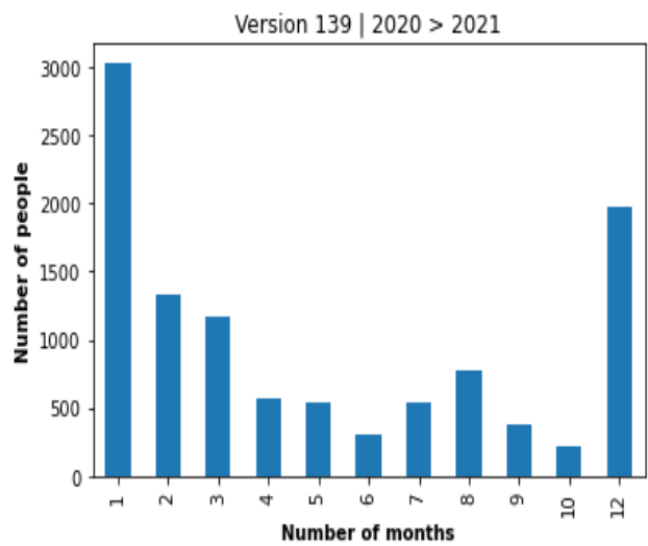- most of the people is not interested in vaccine
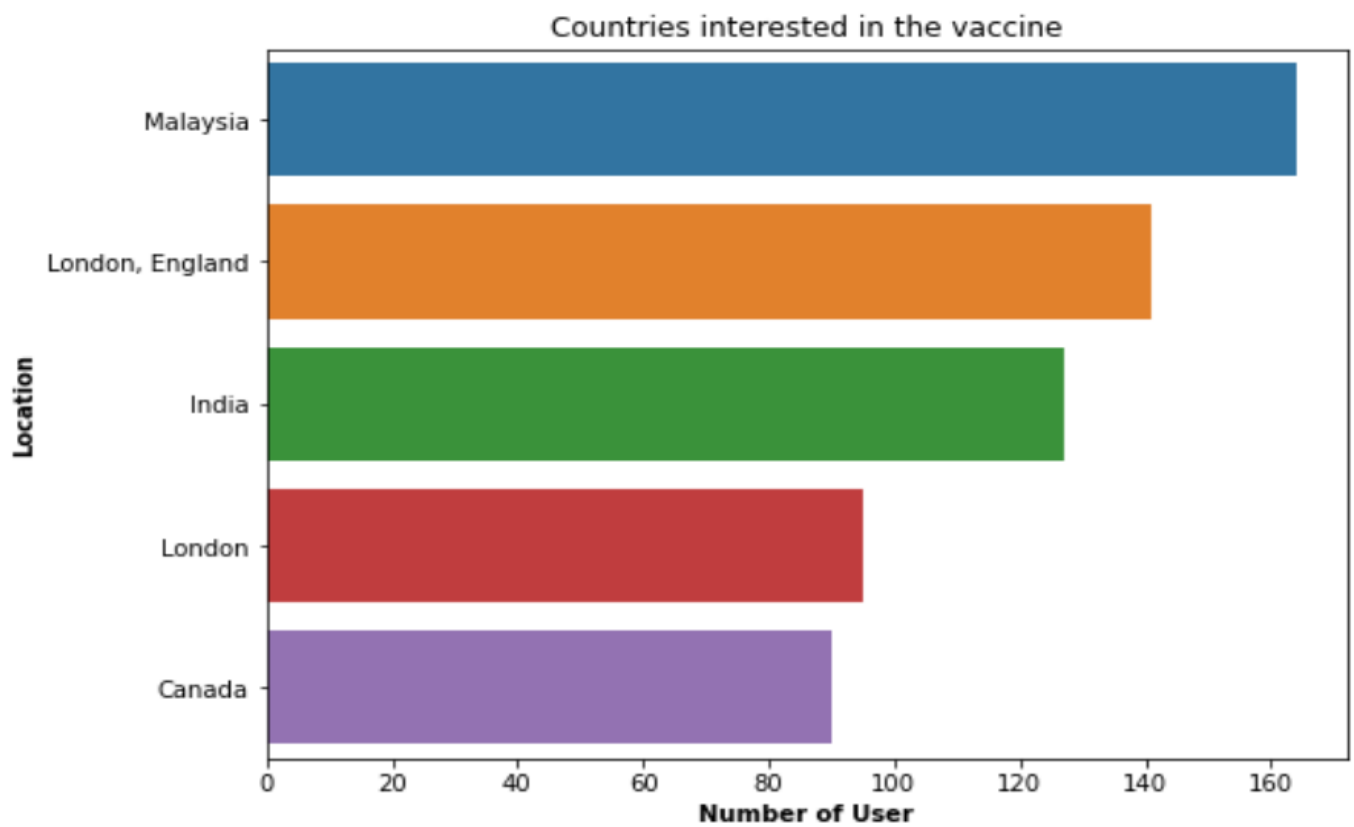

- Most of published accounts are not verified

- *Top 5 Sources (Platform) of tweets*
- *most of people tweets from iPhone devices*

- *The study was from 12/21/2020 to 10/21-2021*

Countries interested in the vaccine

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 o   *locations with most number of users tweets*

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