

# **BUSINESS INTELLIGENCE AND DATA**

## **ANALYTICS MINI-PROJECT**

### **Twitter based Election Analysis**

#### **Team Members:**

Raj Thakkar	321052	21810934	A2
Aadarsh Shetty	321048	21810861	A2
Amlan Nanda	321032	21810954	A2
Pranav Sarda	321047	21810773	A2

#### **Problem Statement:**

Analyze the results of the US Political Elections 2020 based on the available tweets in the same time window, and derive meaningful inferences from the same. Similarly, try to predict the results of an Indian State Election through similar analysis of Tweets. Compare the results of those Elections against the predicted results and the possible factors that may have affected the results. Also, compare the general Sentiment of the Influencer against that of a Common Man.

#### **Objective:**

- To analyze the 2020 US Elections with respect to Tweets, and draw an analogy between the Results and the Tweet Trends.
- Predict the results of an Indian State Election by collecting Twitter Data for the same, and compare it with actual results.
- Twitter Sentiment Analysis of Election related tweets through Python.
- Create a Dashboard for effective Visualization of the Analysis done.

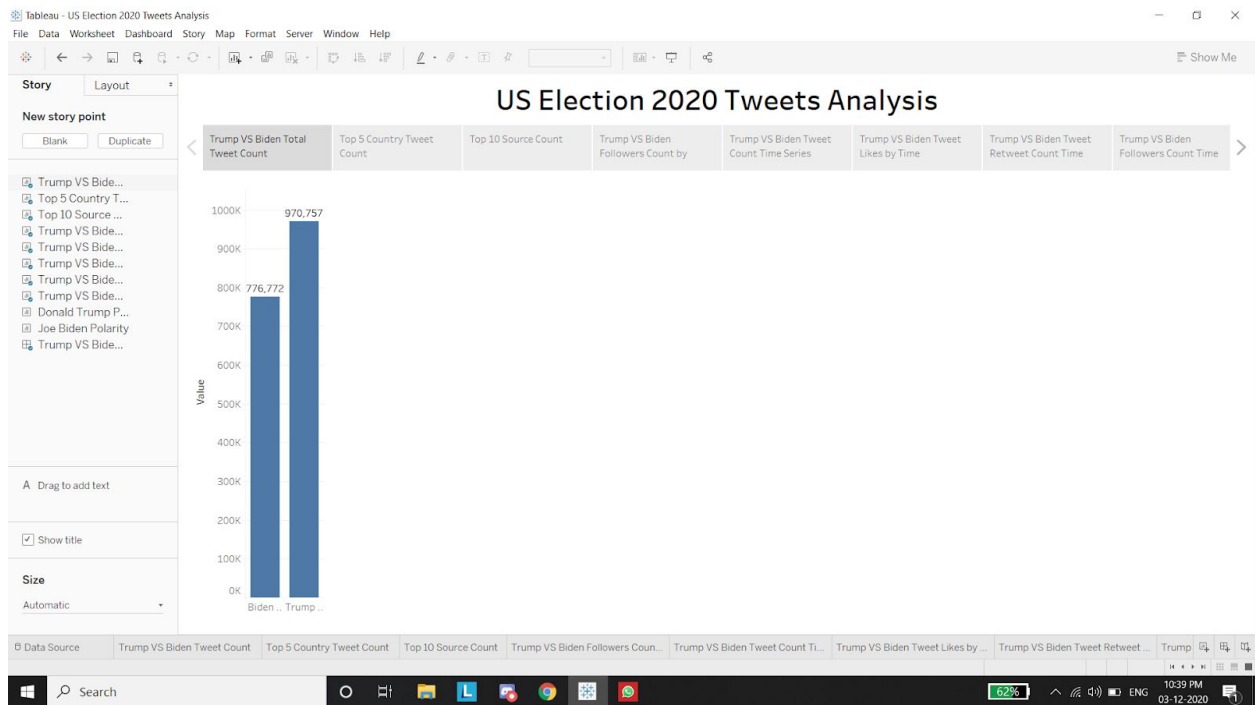
## Datasets:

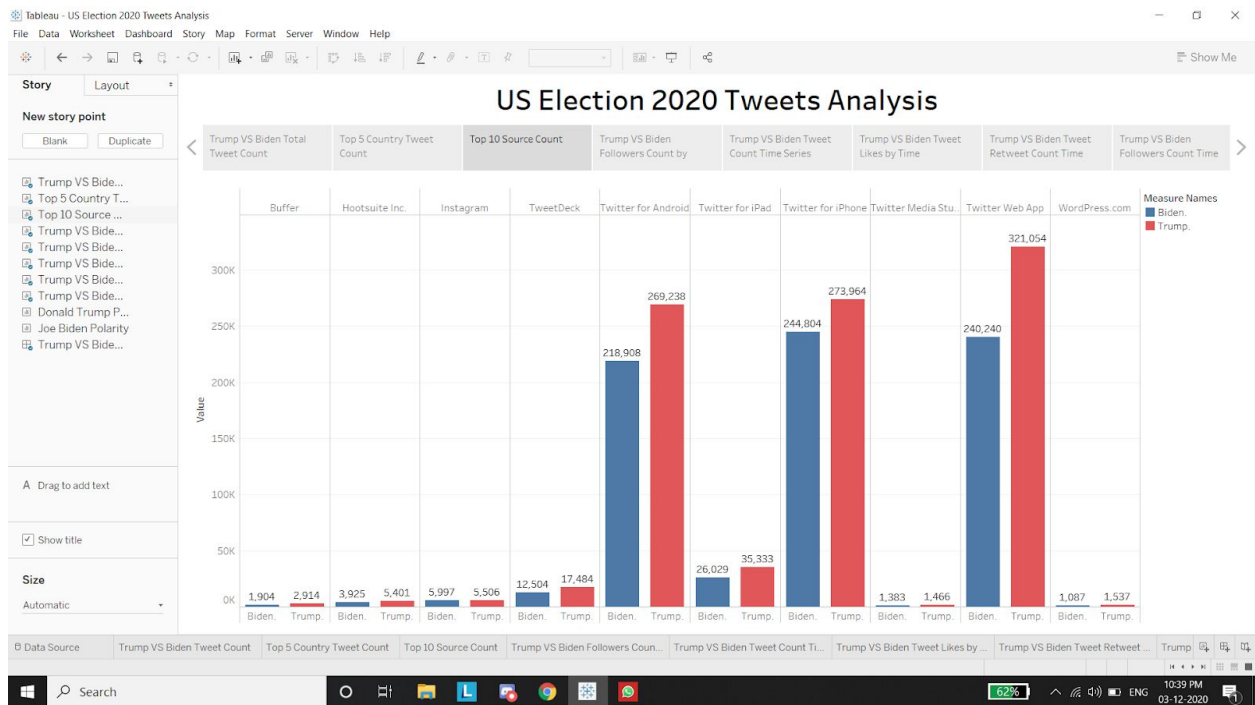
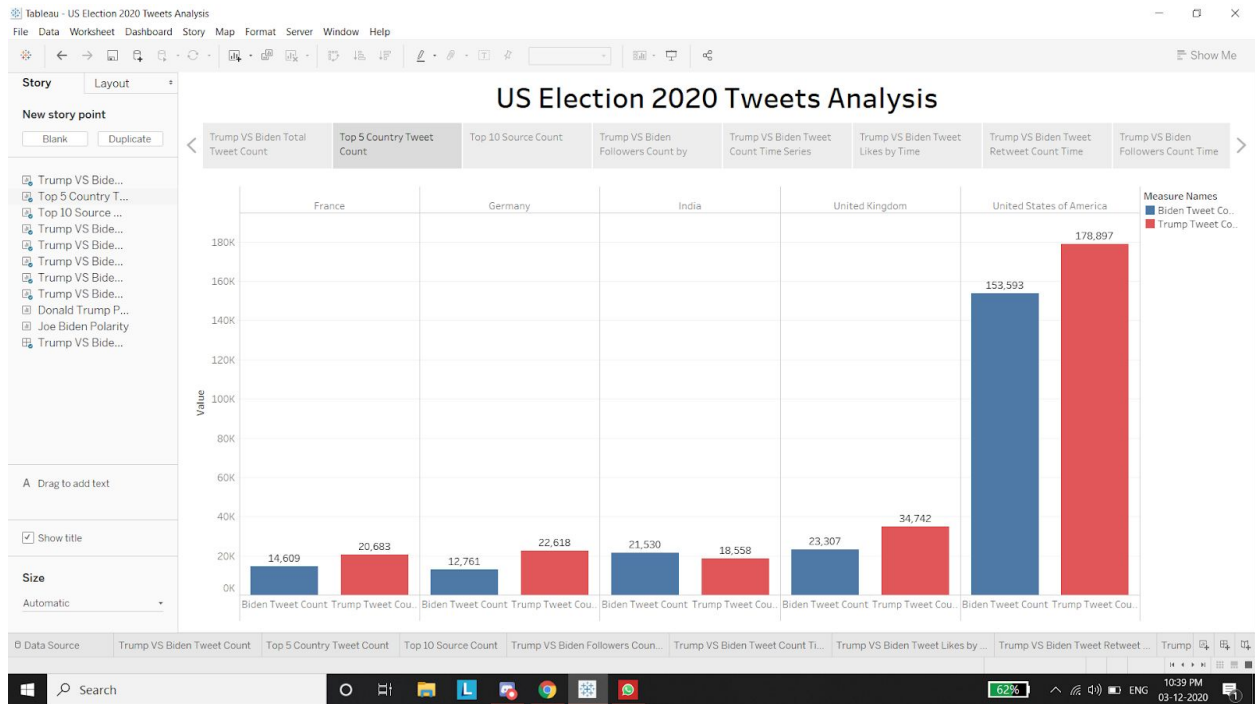
- **US Election 2020 Tweets | Kaggle**
- **Indian Election Tweets through Twitter API**

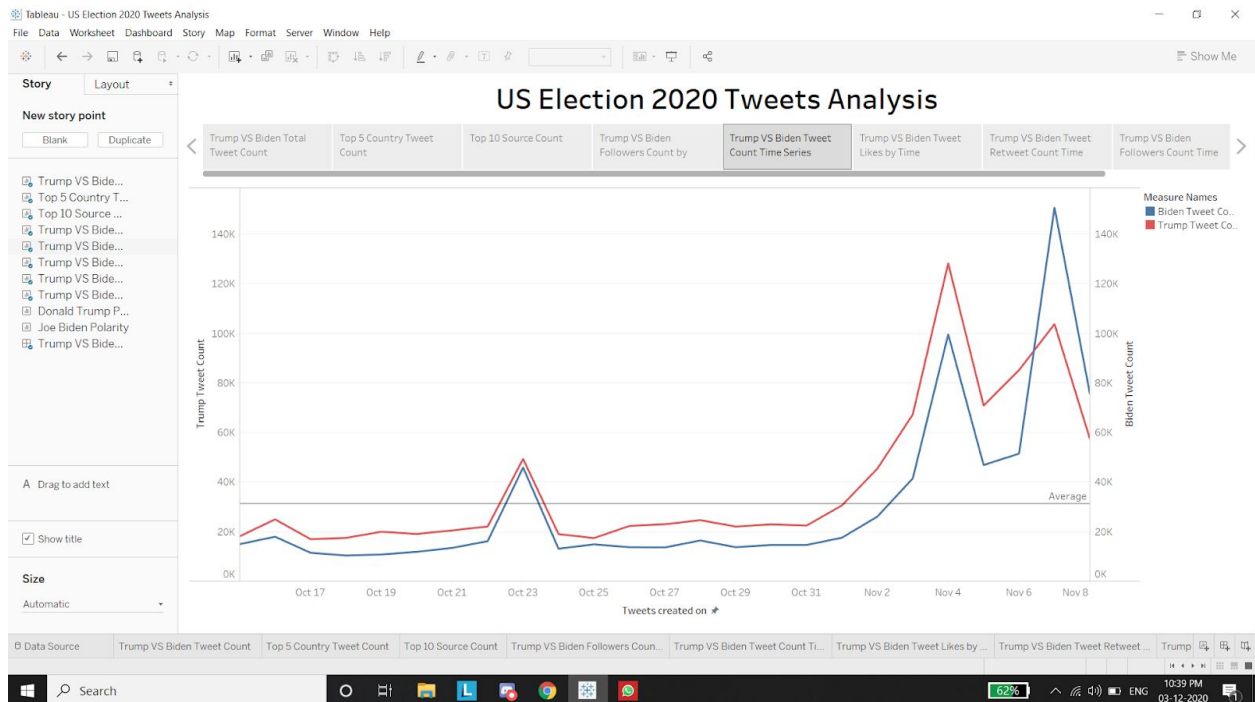
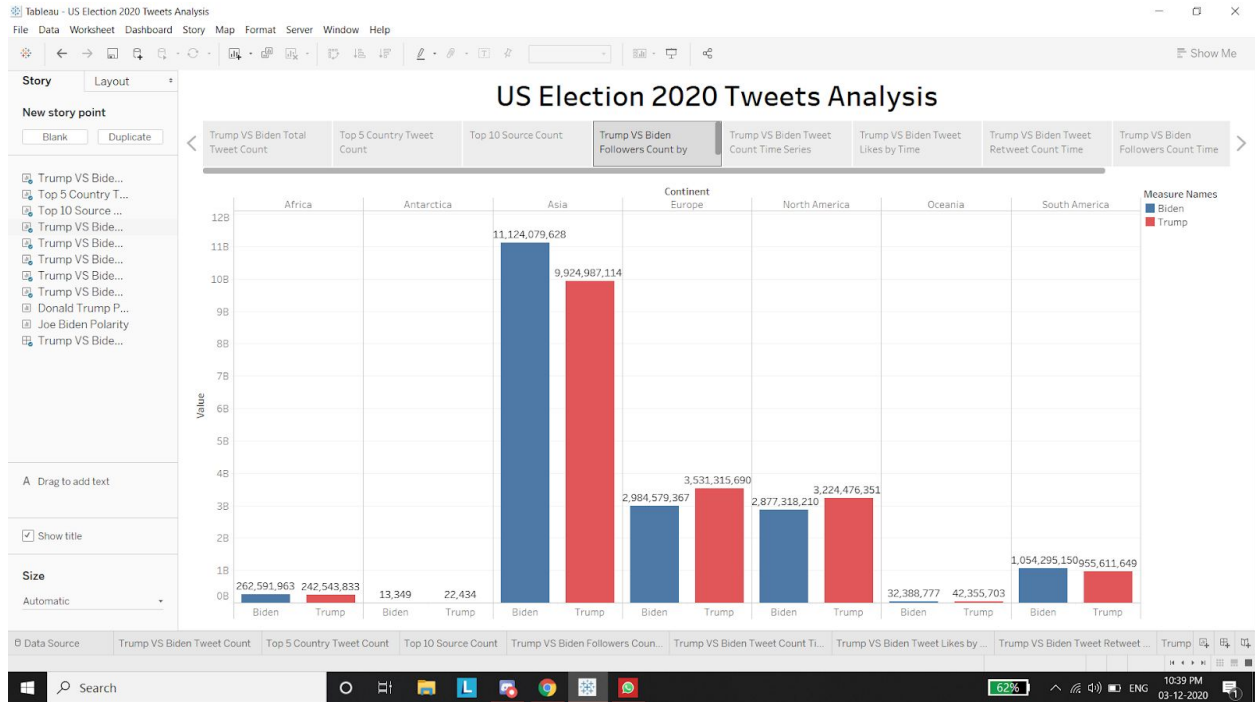
## Tools Used:

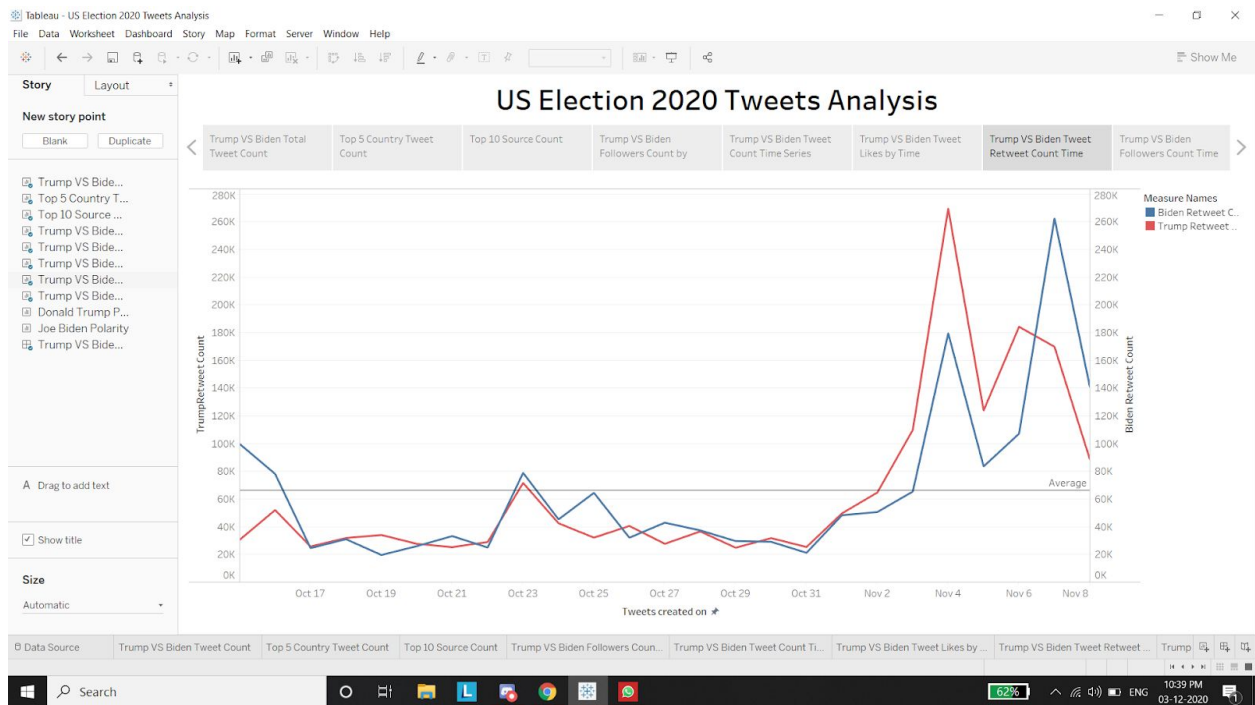
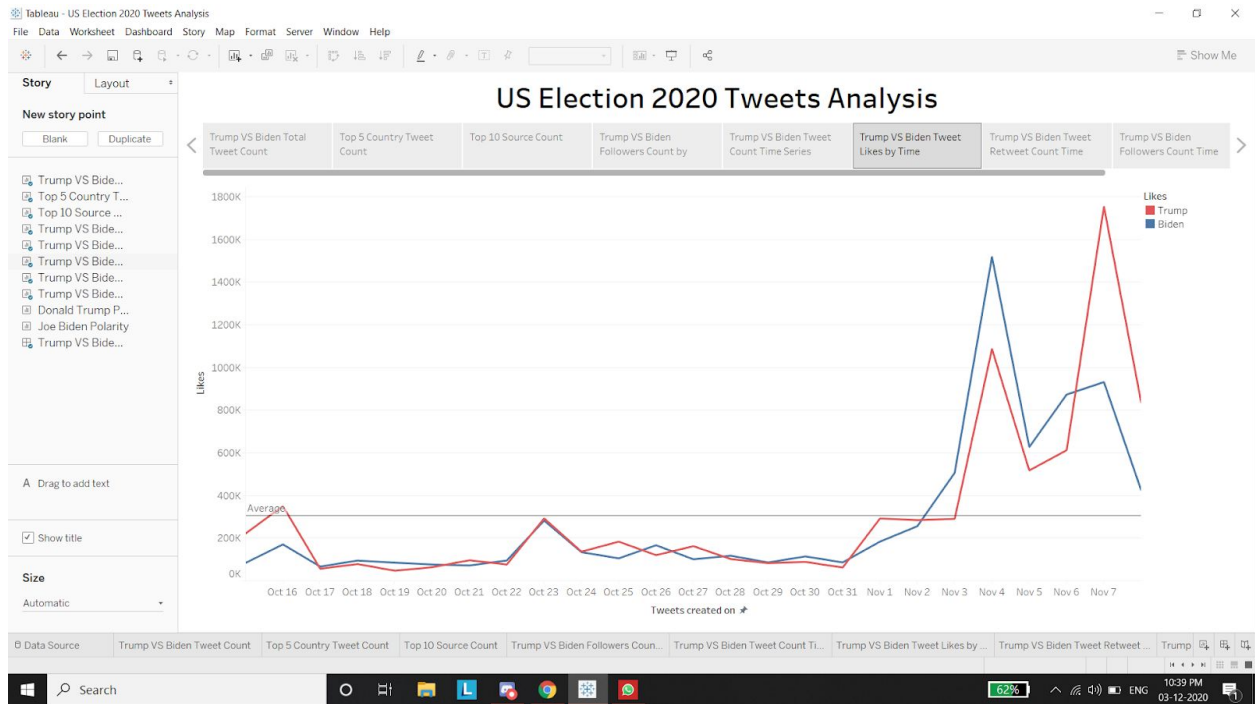
- **Rapidminer**
- **Tableau Desktop**
- **Tableau Online**
- **Tableau Public**
- **Python**
- **Twitter API**

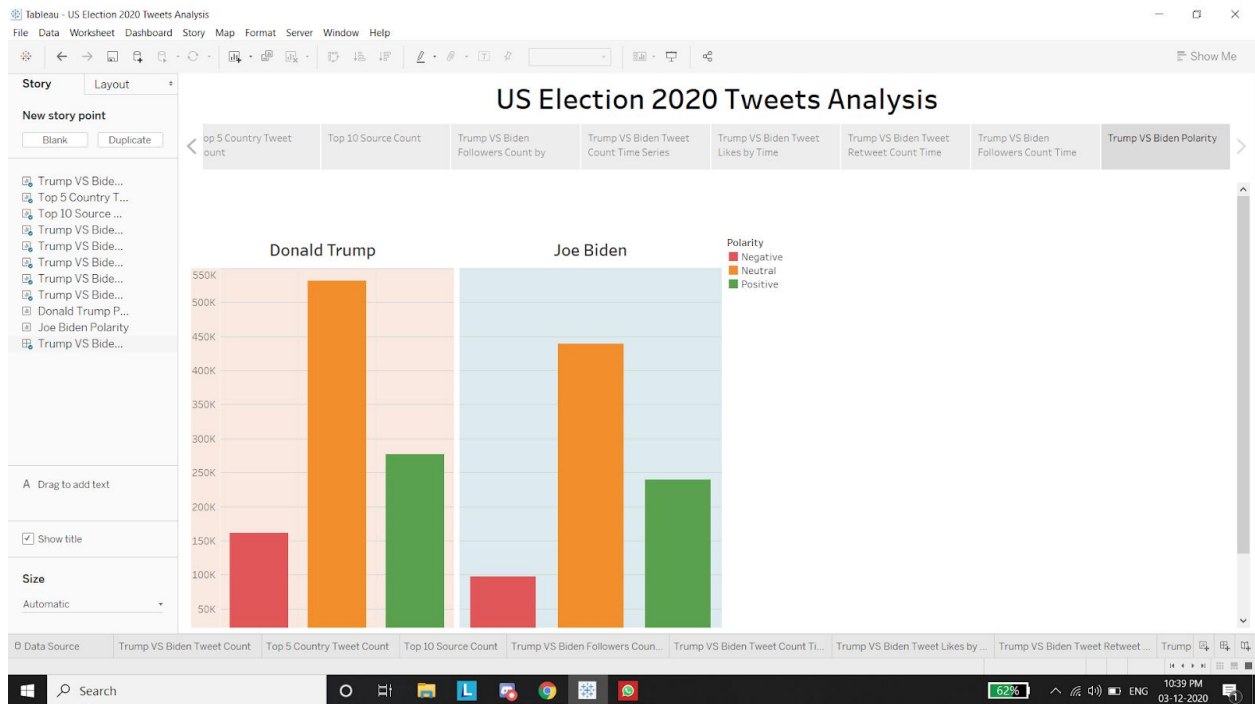
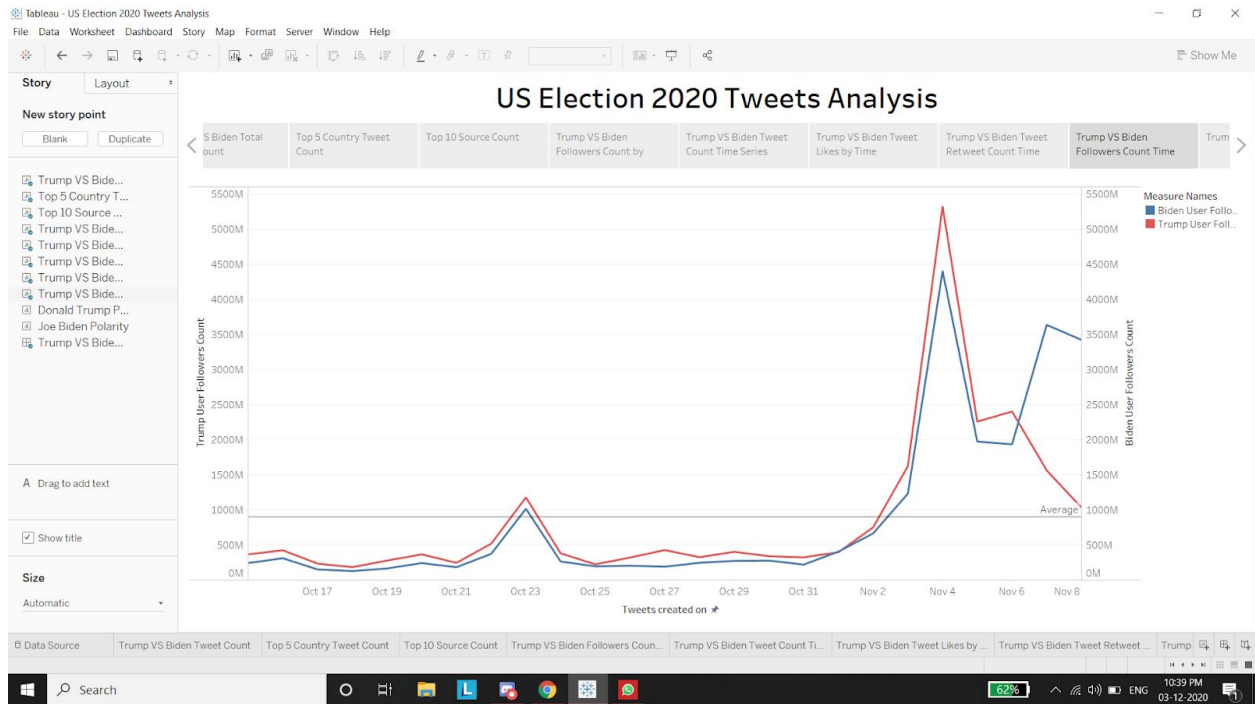
## Dashboard :





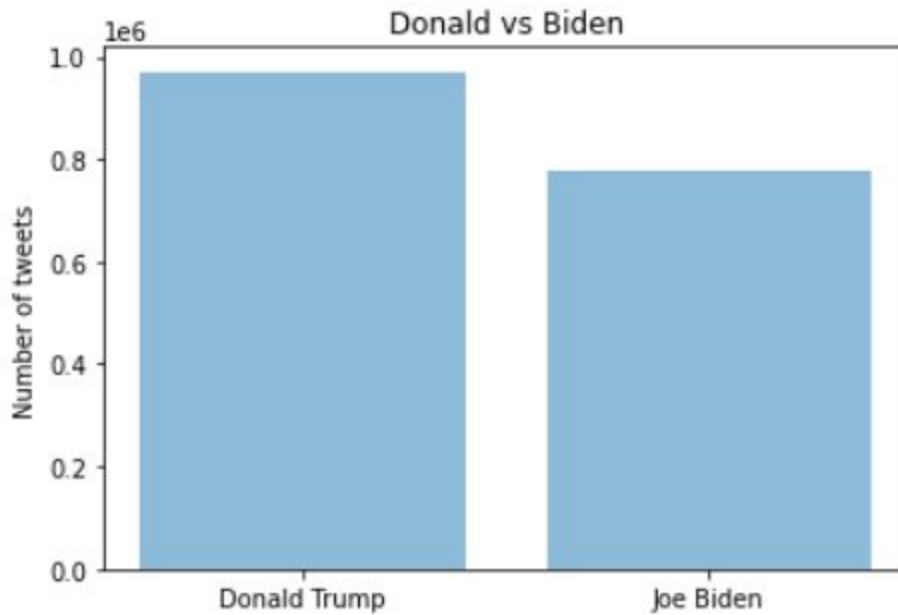




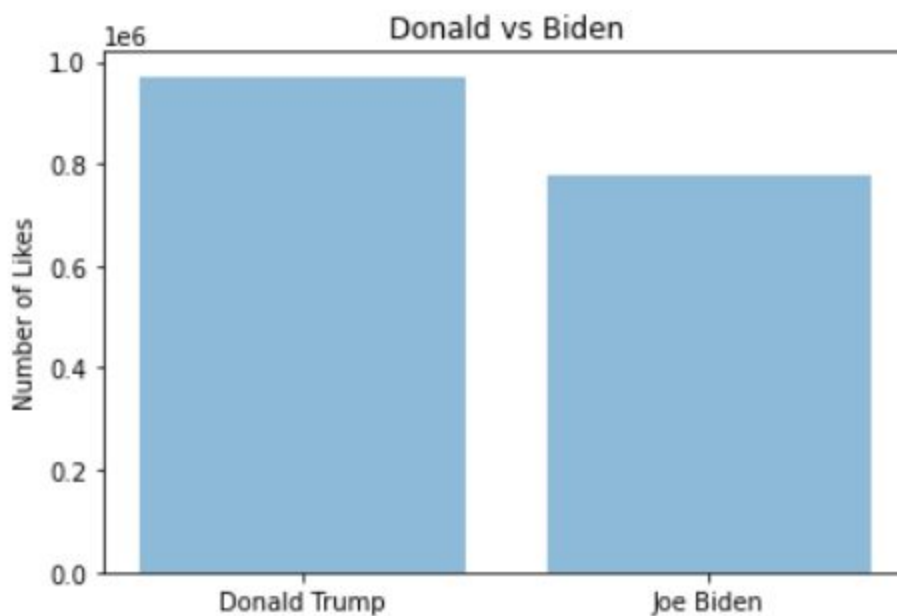


## Inferences:

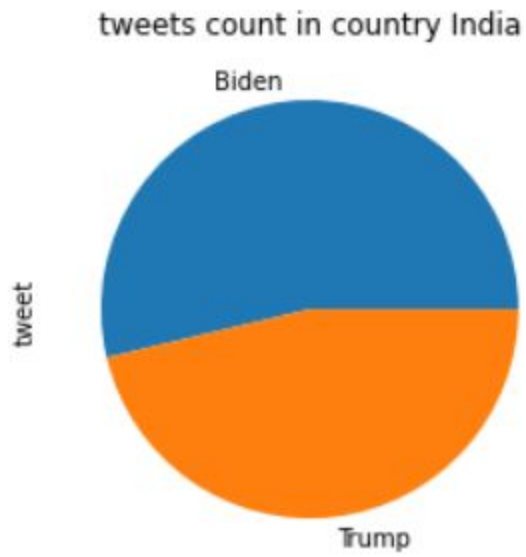
1. The total number of tweets by #Trump outweighed #Biden by almost 2,00,000.



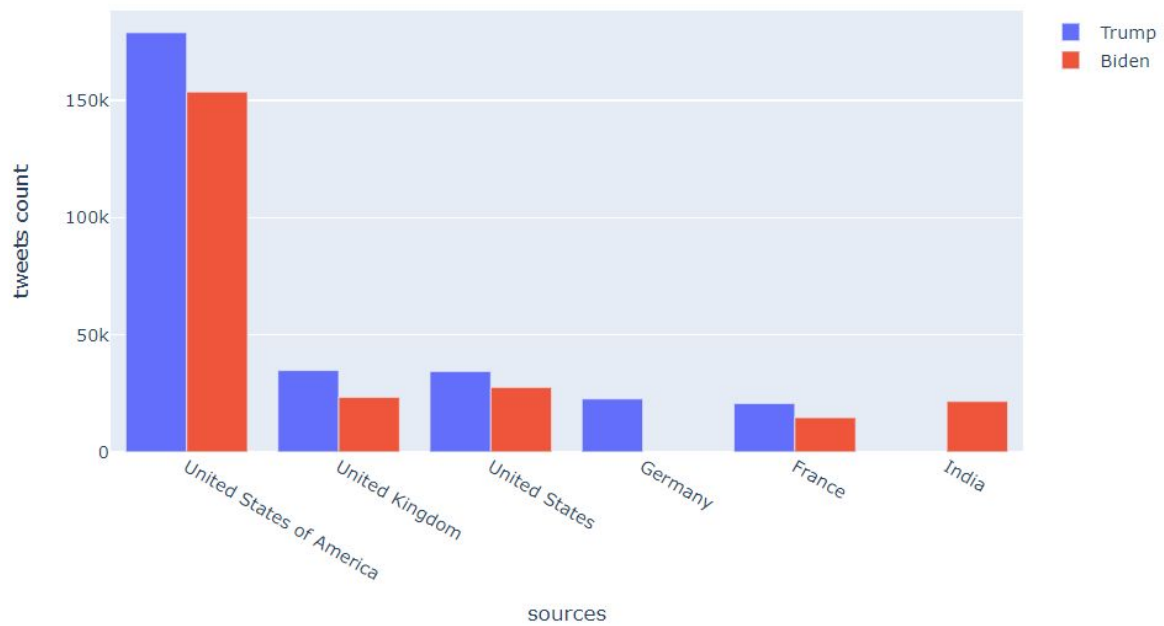
2. The total number of Likes of tweets of #Trump also outweighed #Biden by 2,00,000.



### 3. Count of Tweets from India.



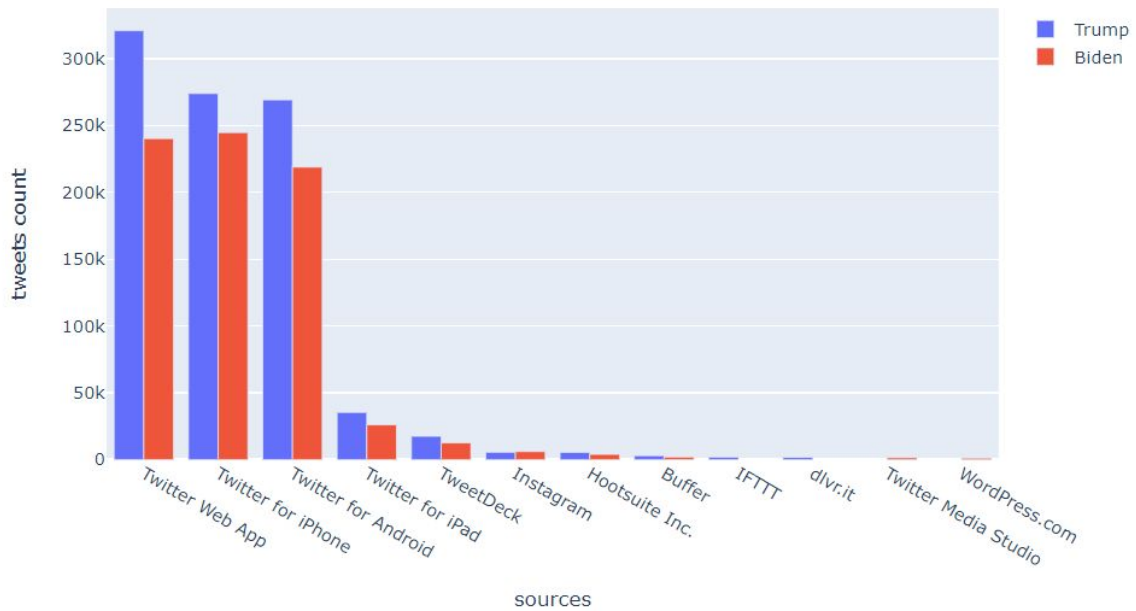
### 4. Tweets Count by Country.





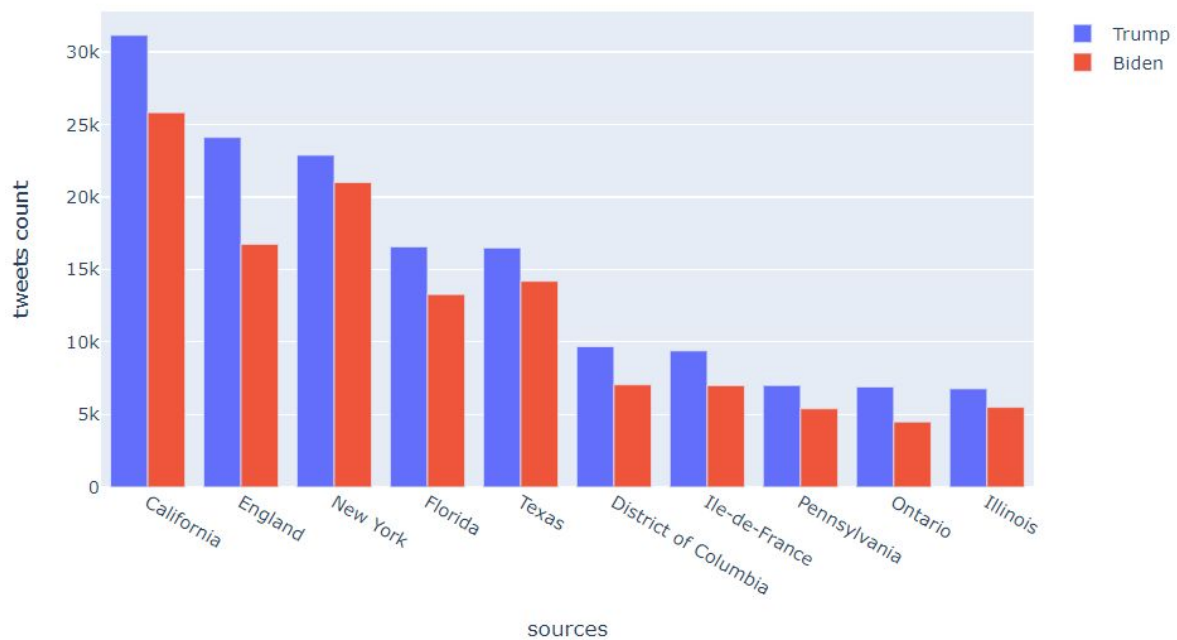
## 5. Tweets Count by Source of the Tweet.

top 10 source

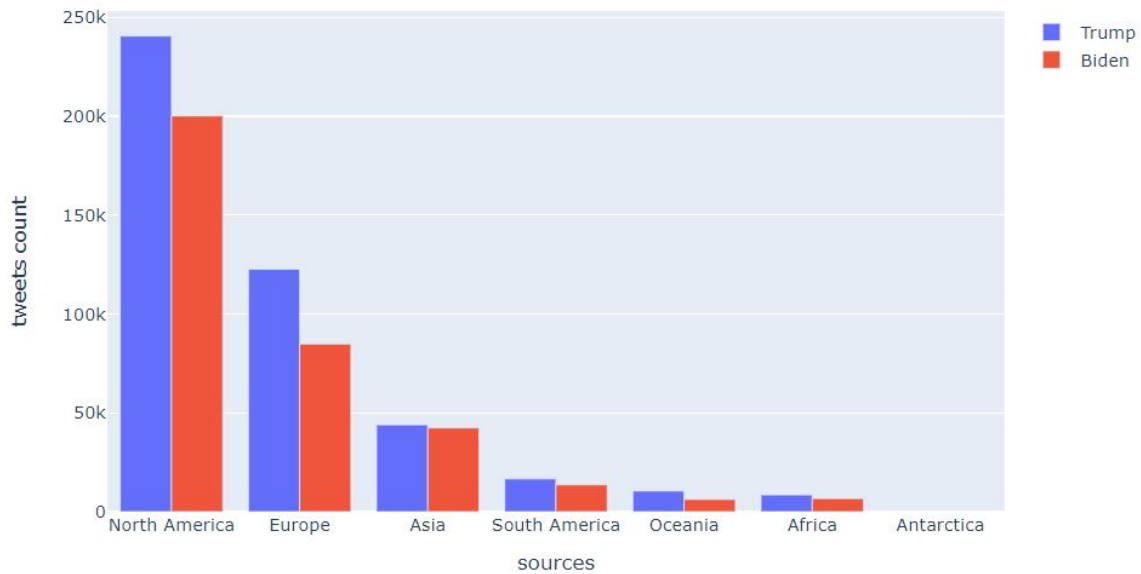


## 6. Tweets count by State Tweets made from.

top 10 state

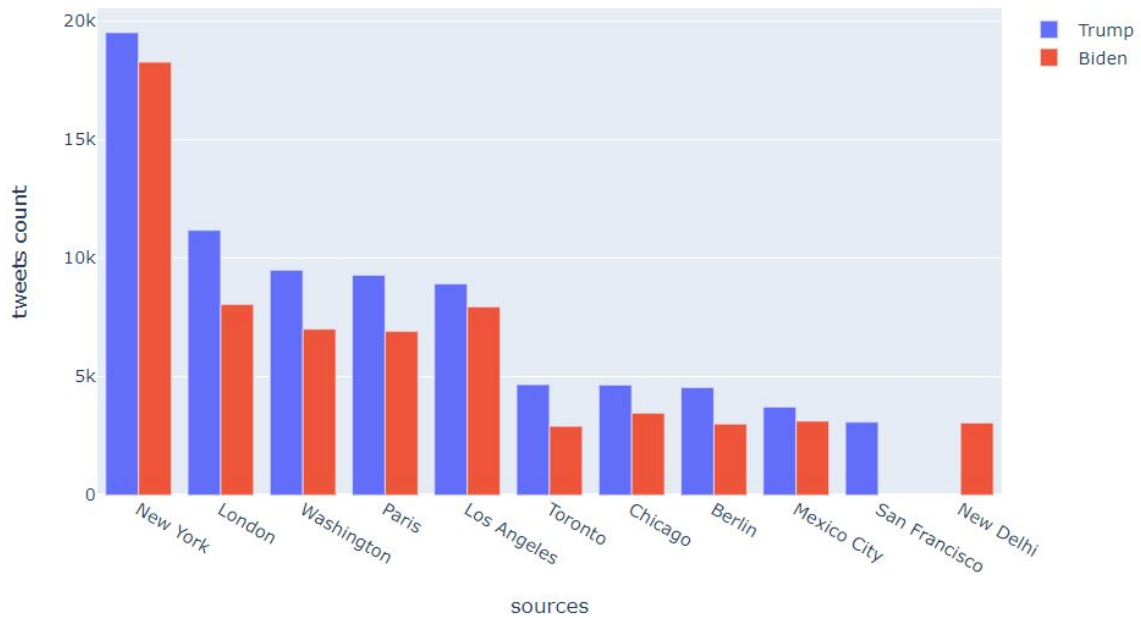


## 7. Tweets Count by the Continent from which tweets are made.

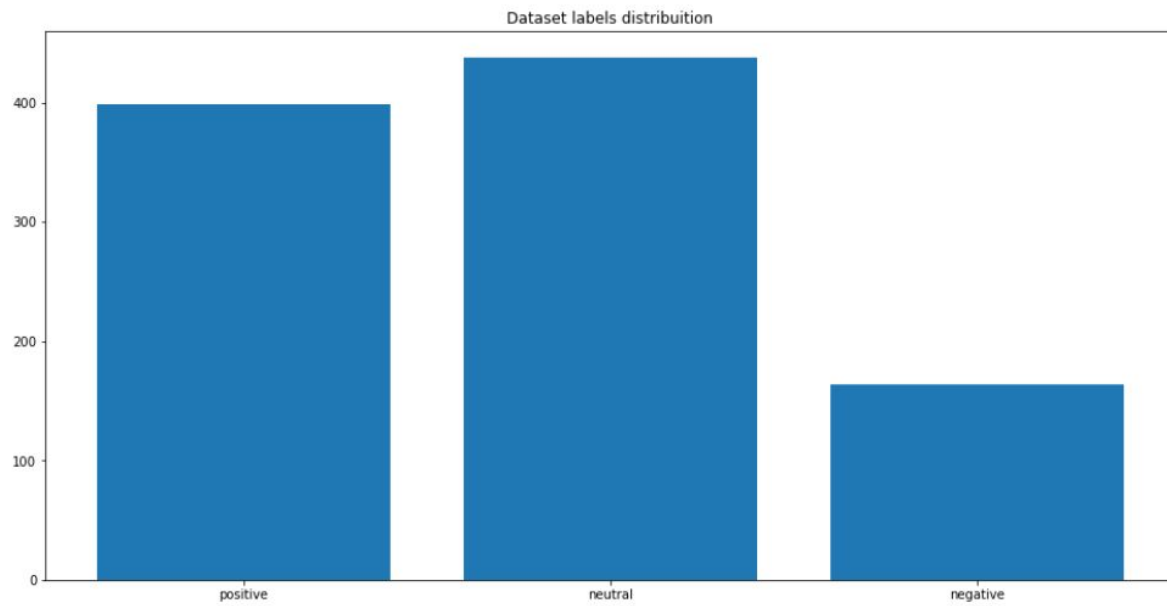


## 8. Tweets Count by the City from which tweets are made.

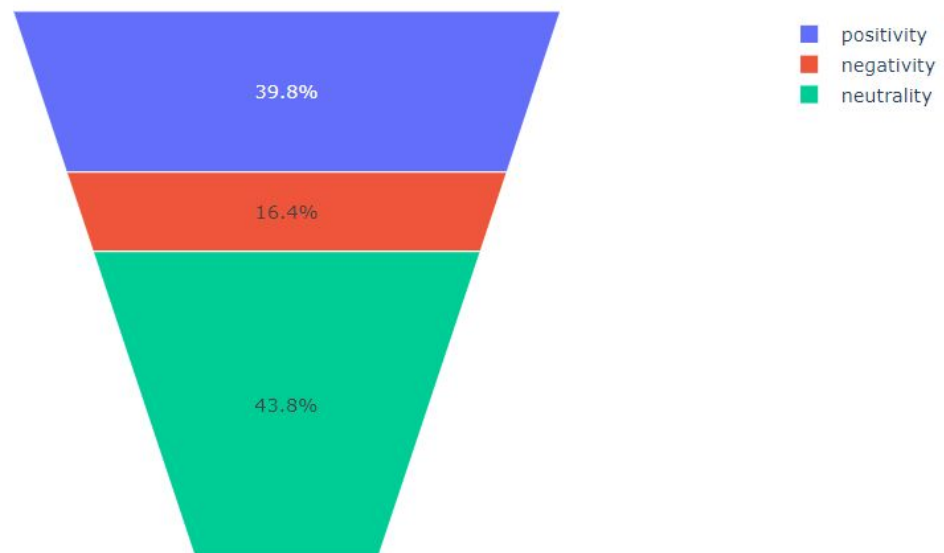
top 10 city



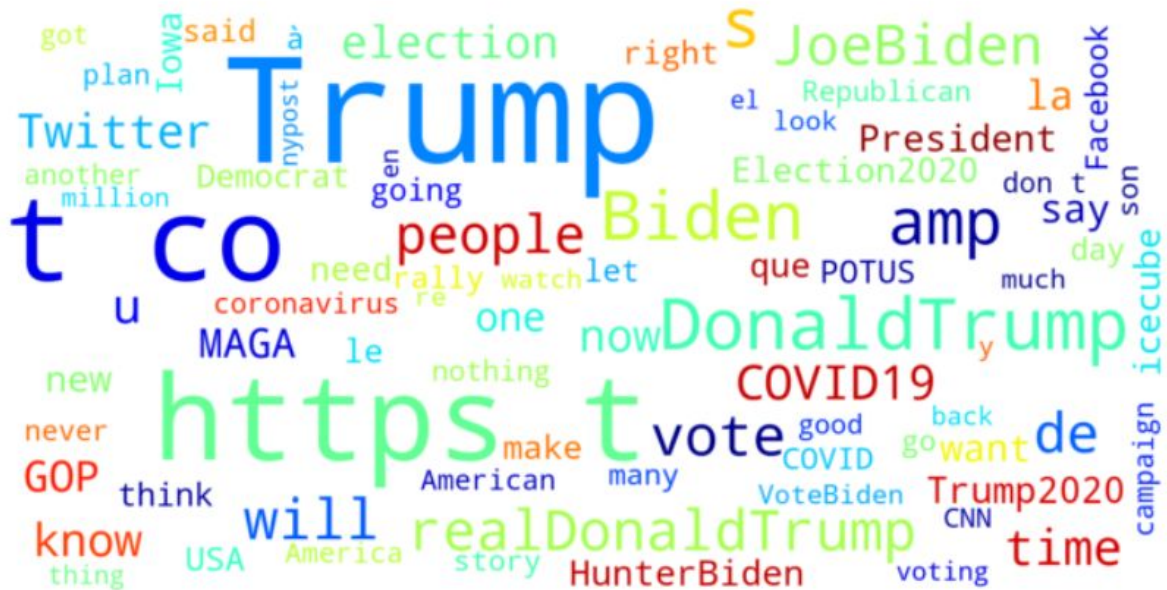
## 9. Trump Tweets Sentiment.



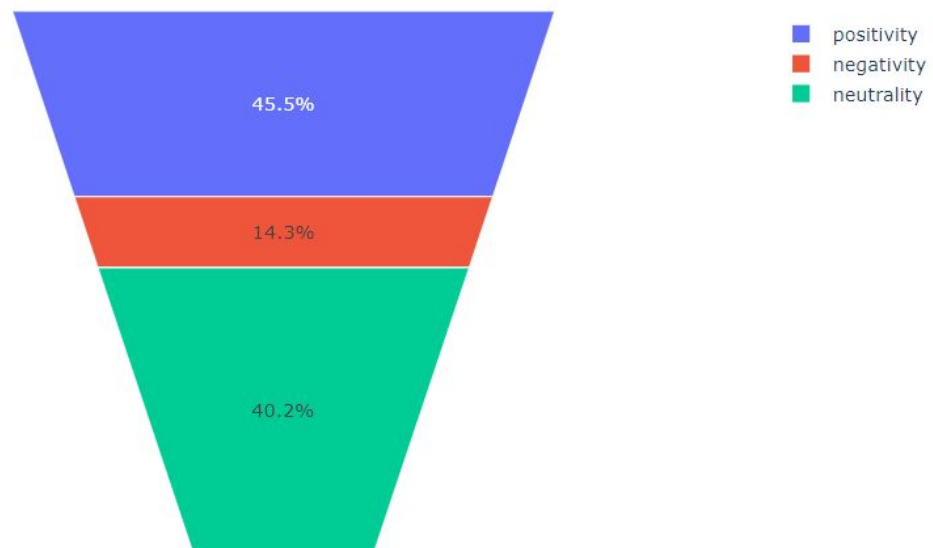
## 10. Sentiment Analysis of Tweets with #Trump.



### 11. Word Cloud of #Trump tweets.



## 12. Sentiment Analysis of #Biden tweets.



### 13. Word Cloud of #Biden tweets.

