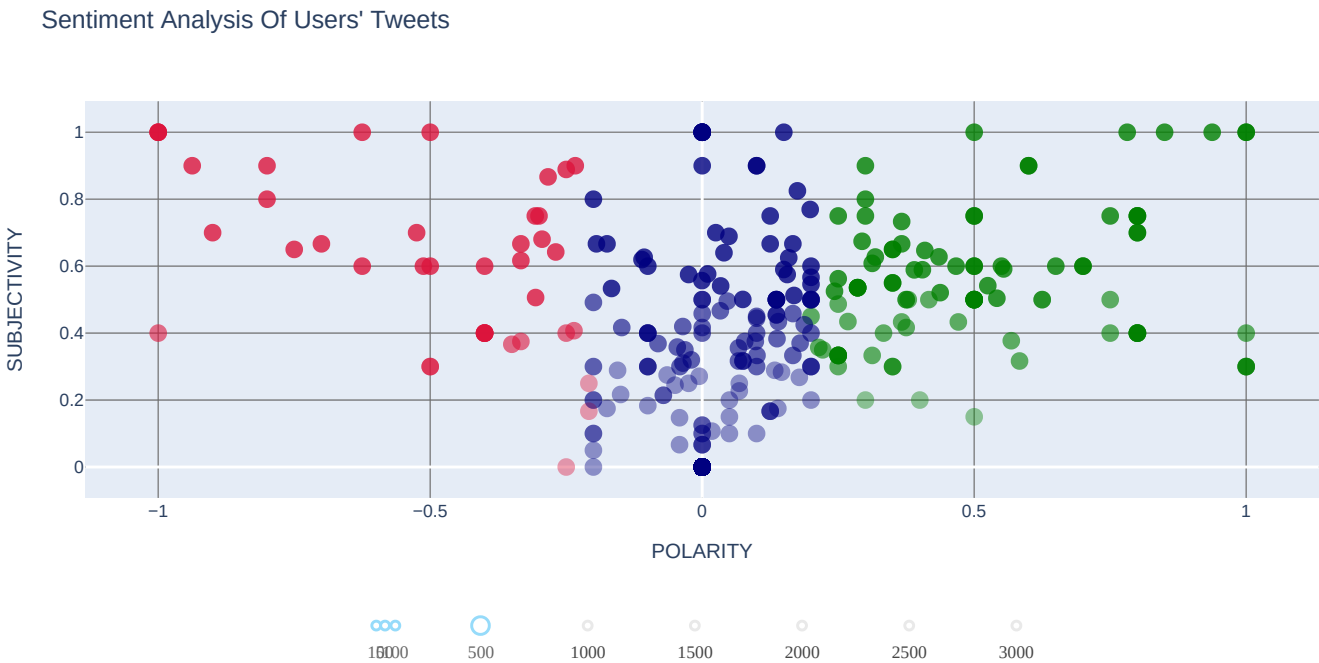


# Twitter Data Visualization And Analysis

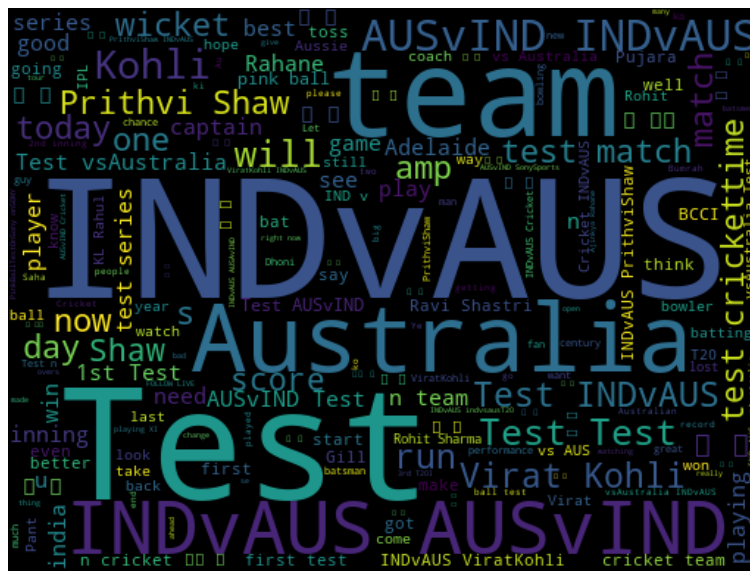
## Sentiment Analysis of People's Tweets



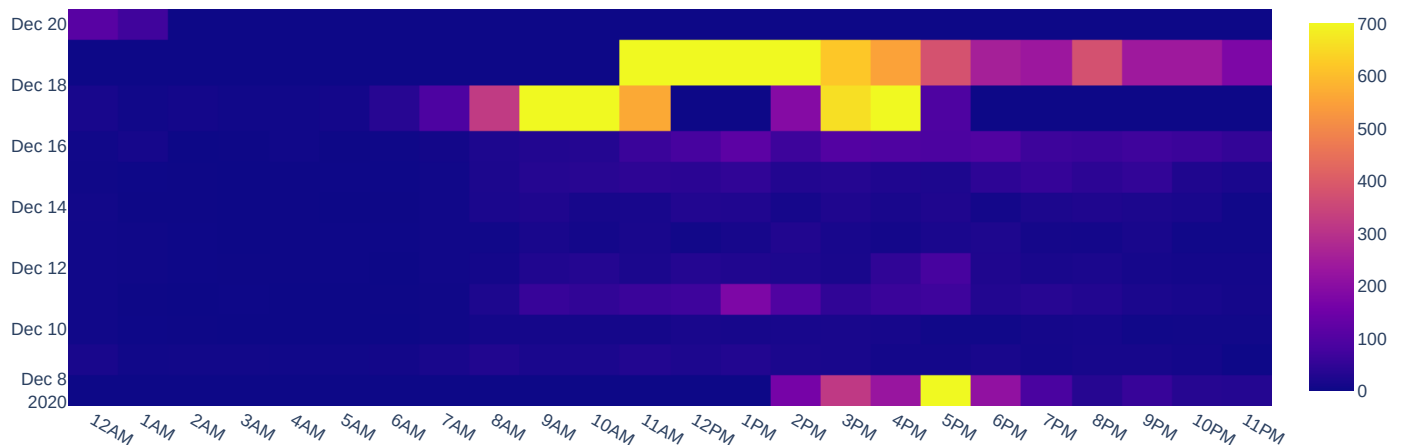
Move The Slider to specify count of Users' Tweets

- The red Points in the Graph - Represents the Negative Tweets
- The blue Points in the Graph - Represents the Neutral Tweets
- The green Points in the Graph - Represents the Positive Tweets
- Note: The opacity of a point represents how strong(Positive or Negative) a tweet is

## Word Cloud of the collected Tweet Data



### Hourly count of tweets for each day



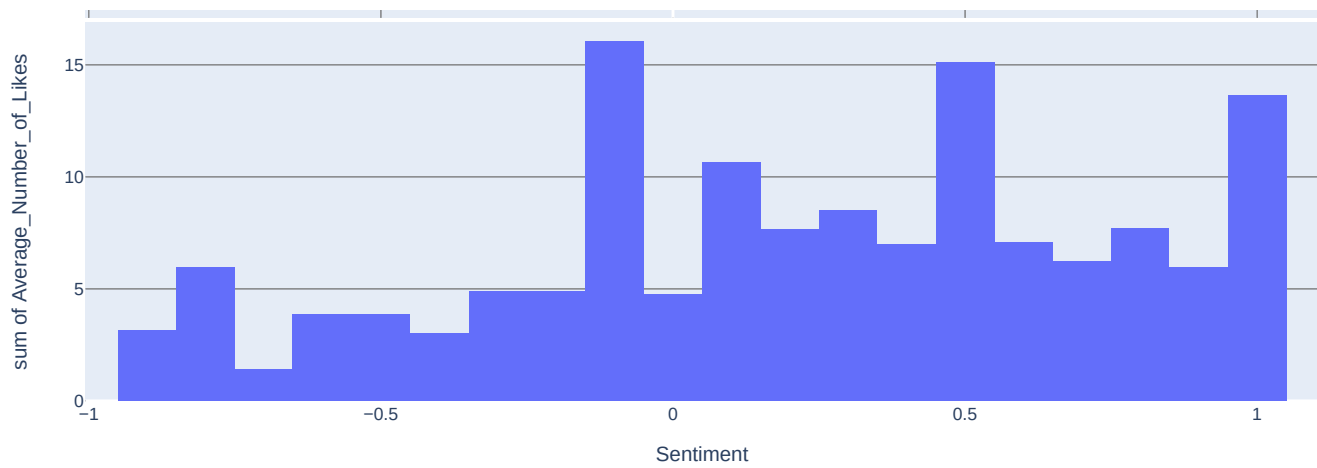
Graph Displays that Most activity has taken Place on Dec17th-Dec18th in the afternoon(time of the match)

Activity in the morning(from 12AM to 10AM) on all days has been significantly low

We also see spike in activity on Dec8th at around 5PM (time of the match)

### Analysis of Average Number of Likes for Range of Sentiment(Positive or Negative)





### Select Distribution

☒ box ☐ violin ☐ rug

Distribution shows the general trend of how Positive or Neautral Comments are liked More by Users.

On the other hand strongly Negative Comments aren't liked as much(with exception of sentiment = -0.1(negative))

Note : sentiment here is displayed wrt to tweet text(Ranges from -1 to 1 where -1 is strongly negative tweet and 1 is a strongly positive tweet)

## Number of Tweets Per Date

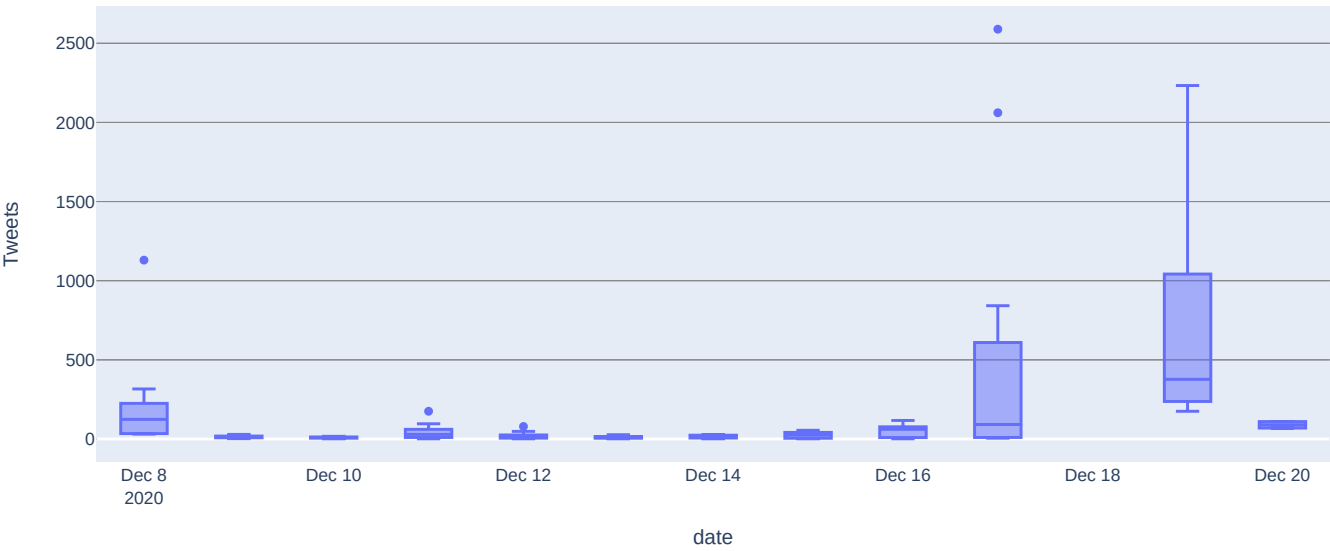
### Tweets Vs Dates



The graph tells us how there was steep increase in count of tweets during the period of the match(17th to 19th)

After 20th december the number of tweets went below normal( India lost: )

## Number of Tweets Per Date(Gives information about number of tweets through the day)

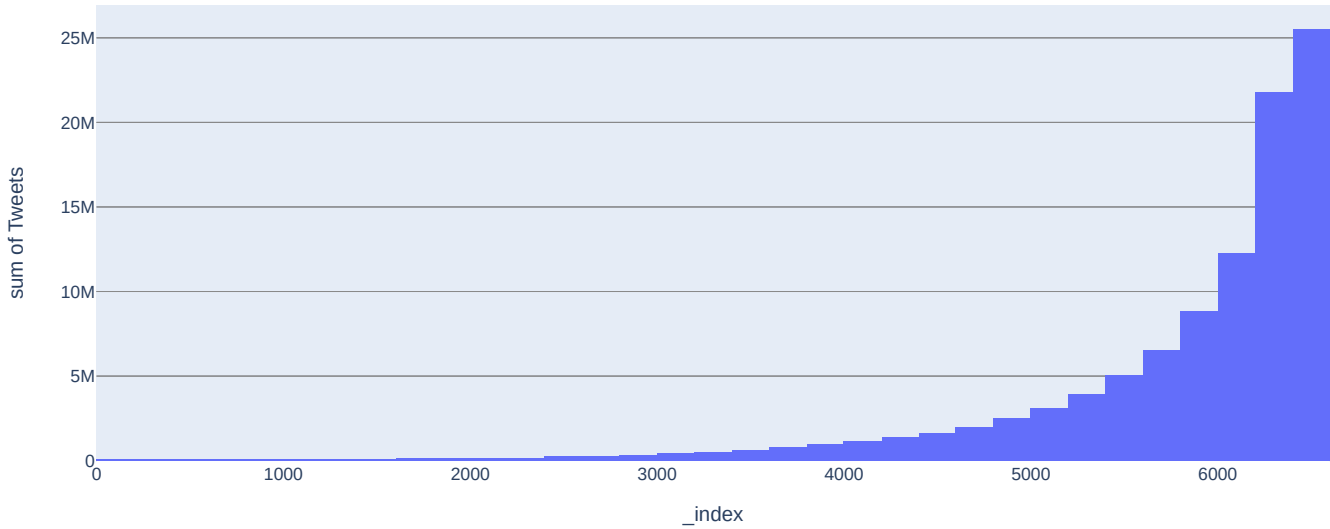


The Blox Plot helps us analyze the distribution of tweets on an hourly basis for around 15 days

On 17th dec the median count for tweets was around 91, however there were 2 extreme outliers on that day

We can also notice how the min number of tweets was significantly higher on dec 19th than most days

**Tweets Per User(Shows Activity of each User on Twitter)**

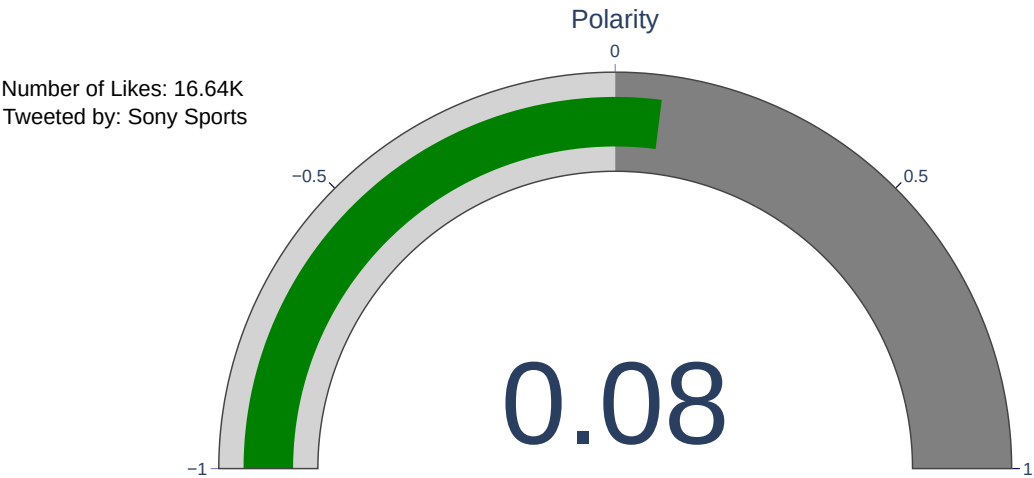


Graph shows how only few of the users(1000 out of 6000) are highly active and produced the most number of tweets

Exponential raise in count of number of tweets over the entire user dataset



Most liked Comment(Based On Sentiment(Positive Or Negative))

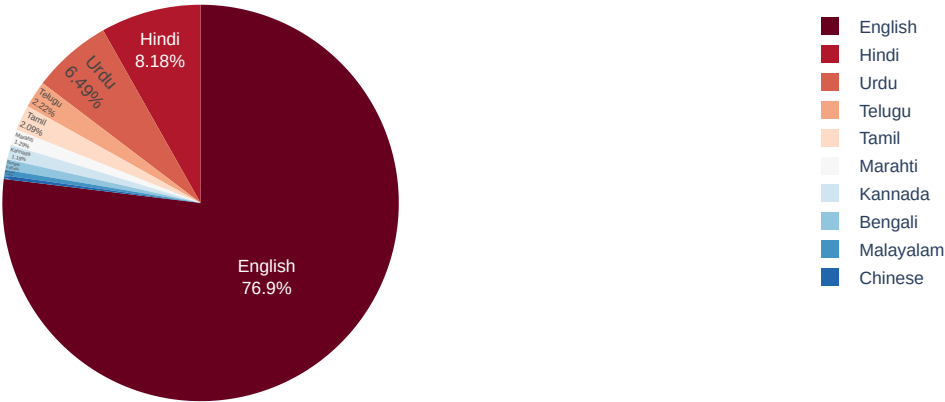


Select Comment Type

☒ Positive ☐ Negative

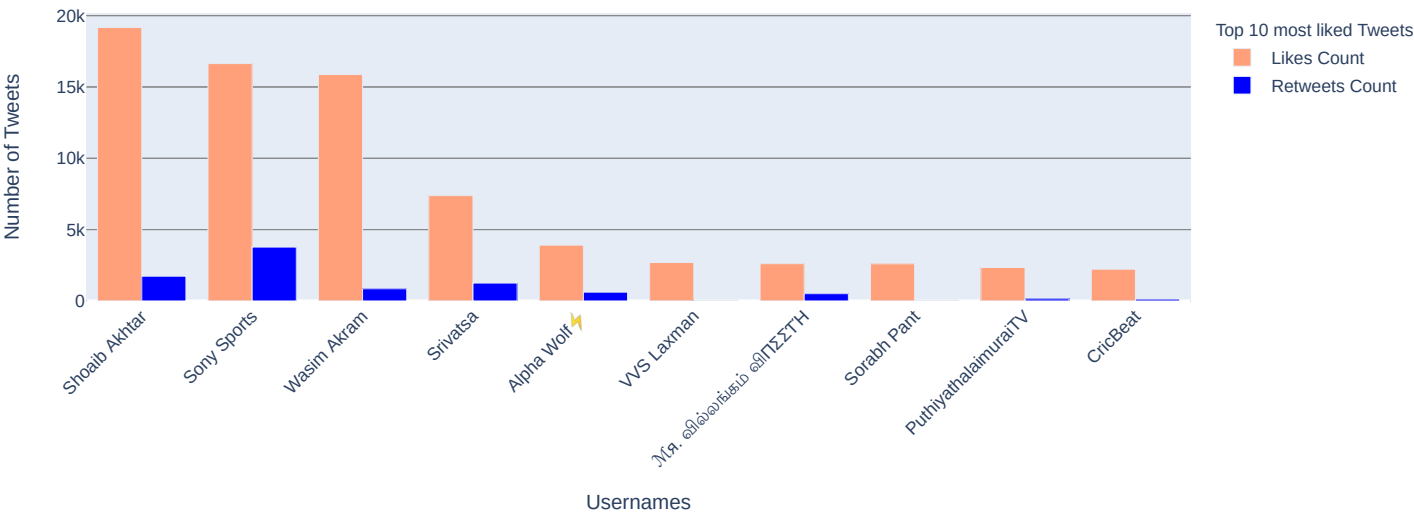
Distribution of Languages Used in Tweets

Languages Users tweeted in:



Through the Pie chart observe how almost 70% of the tweets were tweeted in English

Top 10 Most Liked Tweets



A descriptive bar plot which gives us the usernames of the users whose tweets recieved the most likes

User with the highest Number of likes - Sohaib Akthar

Followers Distribution of the top Users

