

Twitter Sentiment analysis

Tweepy library is used to extract the tweets based on the given query. The tweets are extracted based on the location, search term(query), language and the date.

Vader sentiment analysis is performed on the extracted tweets to categorize the tweets as positive, negative and neutral.

The hyperlinks, emojis etc are removed and only the final text is used to perform the sentiment analysis.

We experimented on textblob for sentiment analysis and observed that Vader sentiment analysis is more reliable.

```
RT A review of a century of evidence shows that cloth masks are indeed effective at blocking droplet and aerosol contaminatio ('Positive', 0.128)
```

```
This the support that and corporations hinge opening on Not the impact of the COVID outbreak harming ('Negative', -0.2263)
```

```
RT A review of a century of evidence shows that cloth masks are indeed effective at blocking droplet and aerosol contaminatio ('Positive', 0.128)
```

```
Half of the COVID 19 deaths in Nebraska have been residents of long term care facilities But the state s top medi ('Positive', 0.5106)
```

```
Today during our Cognitive Behavioural Therapy group psychotherapy session I told my patients I would write an art ('Neutral', 0.0)
```

Output of twitter API:


The user gives the input in the format as a json, with the attribute location and also the number of tweets that he/she wanted to extract.

requests are better for geopy API.


```
[ ] getLocationCoordinates('Bay Area')
```

 (37.7884969, -122.3558473)


```
[ ] getLocationCoordinates('California')
```

 (36.7014631, -118.7559974)

```
[ ] getLocationCoordinates("New York")
```

 (40.7127281, -74.0060152)

```
[ ] getLocationCoordinates("Hamilton")
```

 (43.2560802, -79.8728583)