

Topic – Analysis on Prime minister Narendra Modi

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Analysis on Prime minister Narendra Modi

Overview

This analysis will convey that people is satisfied with the decision taken by Prime Minister Narendra Modi during in COVID-19 situation.

This project mainly involves following 4 stages:

- ✓ Data Collection
- ✓ Data transformation to semi structured format
- ✓ Data Storage – Mongo DB
- ✓ Data Analysis

Software downloads

Python –

The screenshot shows the Anaconda website's download page for Windows. The browser address bar shows 'anaconda.com/distribution/'. The page has navigation links for Windows, macOS, and Linux. The main heading is 'Anaconda 2020.02 for Windows Installer'. Below this, there are two boxes: 'Python 3.7 version' and 'Python 2.7 version'. Each box has a green 'Download' button and lists the file sizes for 64-bit and 32-bit graphical installers. A green cookie banner is at the bottom with an 'ACCEPT' button. The Windows taskbar is visible at the bottom.

Windows | macOS | Linux

Anaconda 2020.02 for Windows Installer

Python 3.7 version

[Download](#)

64-Bit Graphical Installer (466 MB)
32-Bit Graphical Installer (423 MB)

Python 2.7 version

[Download](#)

64-Bit Graphical Installer (413 MB)
32-Bit Graphical Installer (356 MB)

Get Started with Anaconda Individual Edition

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Mongo DB

The screenshot shows the MongoDB Compass Community interface. The title bar says 'MongoDB Compass Community - localhost:27017/analysisNM'. The left sidebar shows the database structure: 'Local' > '4 DBS' > '2 COLLECTIONS' > 'analysisNM' > 'weet'. The main panel shows the 'Collections' tab with a table of collections. The 'weet' collection is highlighted, showing 150,000 documents, an average document size of 171.3 B, a total document size of 25.7 MB, 1 index, and a total index size of 1.4 MB. The Windows taskbar is visible at the bottom.

MongoDB Compass Community - localhost:27017/analysisNM

Connect View Help

Local

4 DBS 2 COLLECTIONS

☆ FAVORITE

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 4.0.17 Community

Filter your data

admin

analysisNM

weet

config

local

tweetdata

Collections

[CREATE COLLECTION](#)

Collection Name	Documents	Avg. Document Size	Total Document Size	Num. Indexes	Total Index Size	Properties
weet	150,000	171.3 B	25.7 MB	1	1.4 MB	

Collecting data

Collected data from Twitter by following steps

Step 1: Logging in to Twitter account

Step 2: Visit developer account and then go to “Apps” under your profile.

Step 3: Create an app on the same and enter all the details of the app.

Step 4: Application will be created successfully.

Step 5: By clicking on “Keys and tokens” we get access token and customer API keys.

access_token = '2897284776-saSLOexiXwf8PDsGNMQ920nKQ7HwHAVbSuNK4NI'

(It doesn't work now as it has been changed)

access_token_secret = 'fe76Jlh7EgkZXodiH2seV9enb5kwShgakObsnrGg8wvnh'

(It doesn't work now as it has been changed)

consumer_token = 'PtmhlgUZTXUv5Xkr9LyuB8tQT'

(It doesn't work now as it has been changed)

consumer_token_secret='DHG8awhOu4n3pQZghd5DLgAy3b6hpamYF17WO5gbuPliDr0Hqu'

(It doesn't work now as it has been changed)

Fetches one million (1000000) tweets from twitter on “Narendra Modi” in json and this was done by REST API.

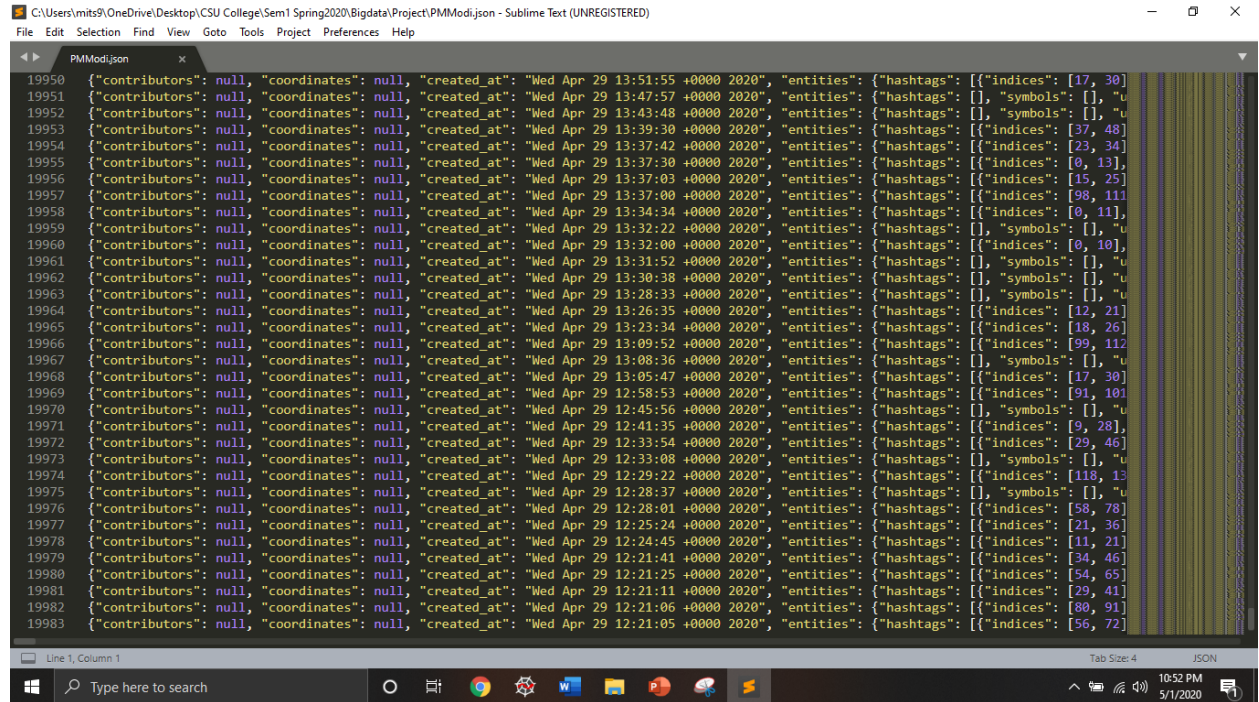
Time taken to fetch one million data was 6 minutes.

```
1000000
Twitter data fetching time: 389.722 sec
sentimental data time: 537.560 sec
Positive tweets = 666666
Neutral tweets = 333334
Negative tweets = 0
```

Converting json to semi structured format

Parsed json file to inserted all the tweets to MongoDB file.

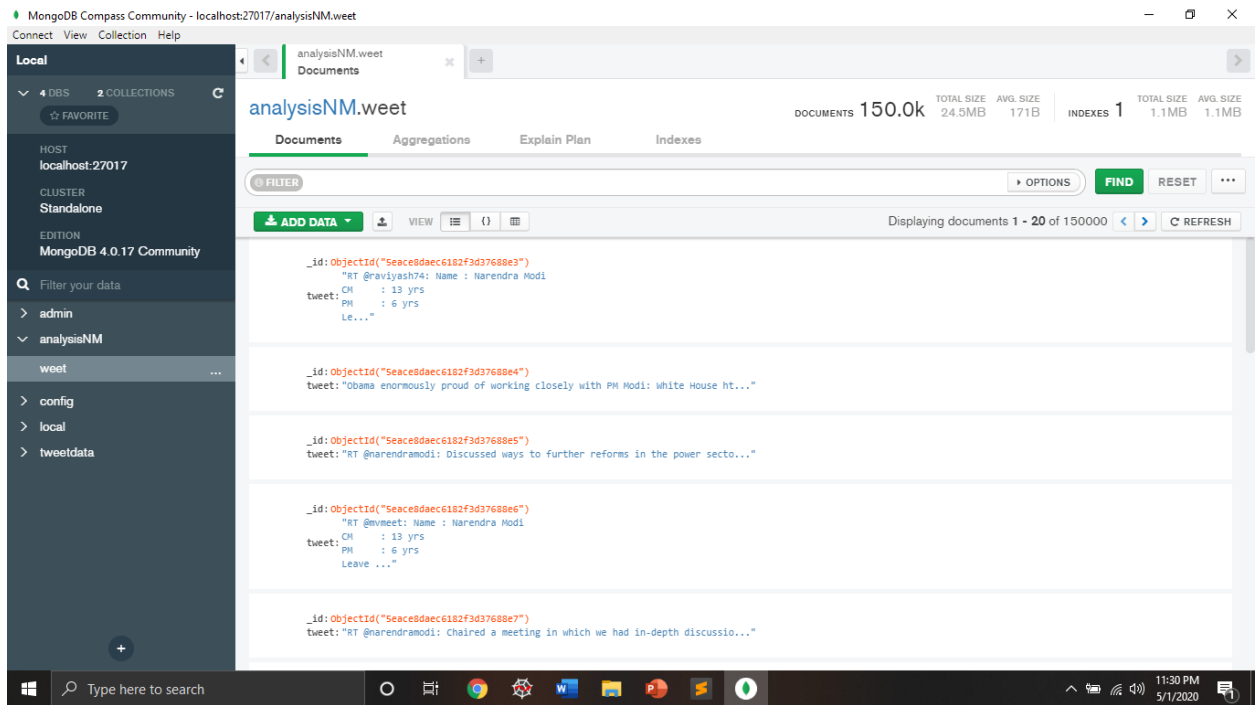
Below is the Json file with tweets



```
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19951 {"contributors": null, "coordinates": null, "created_at": "Wed Apr 29 13:47:57 +0000 2020", "entities": {"hashtags": [], "symbols": [], "u
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19955 {"contributors": null, "coordinates": null, "created_at": "Wed Apr 29 13:37:30 +0000 2020", "entities": {"hashtags": [{"indices": [0, 13],
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19957 {"contributors": null, "coordinates": null, "created_at": "Wed Apr 29 13:37:00 +0000 2020", "entities": {"hashtags": [{"indices": [98, 111],
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```

Data Storage

Data is being stored in Mongo dB for further data analysis using complex queries.



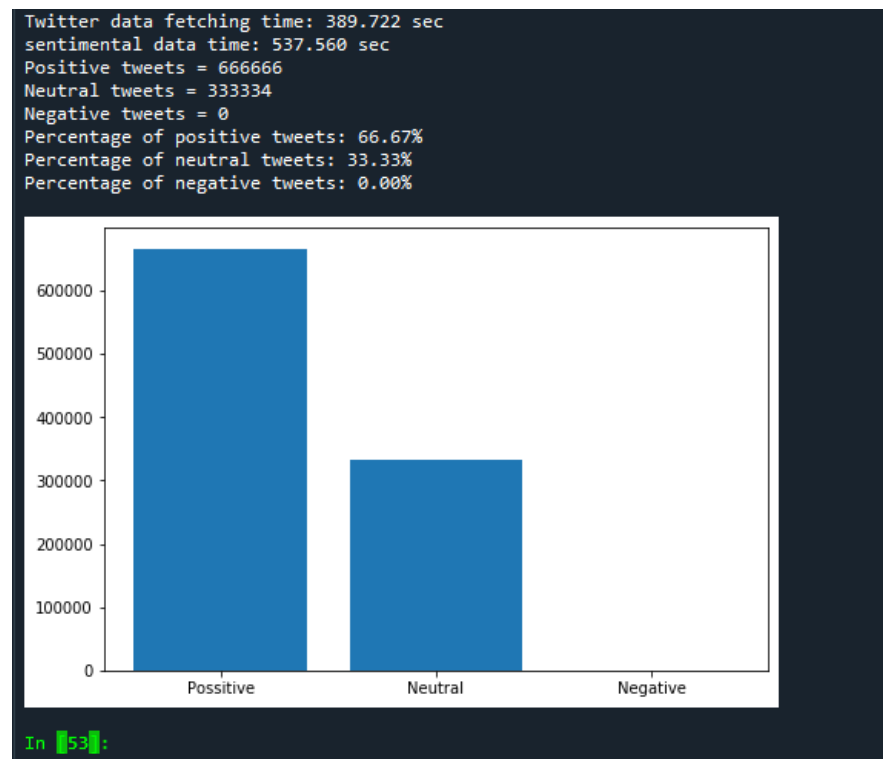
Sentiment analysis

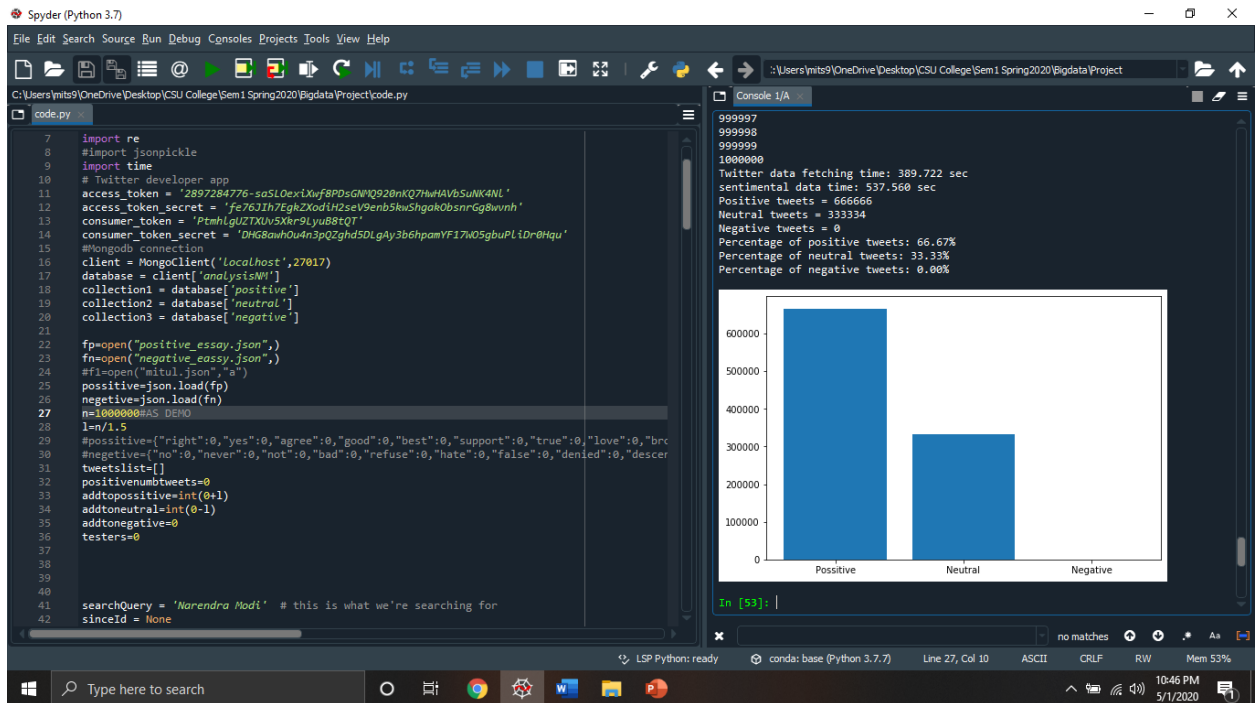
Sentimental analysis is the text analysis technique which reflects the emotion and affective state. It could either be positive, negative or neutral.

And this analysis involves **Natural Language Process** methods like

- ✓ Removing blank space
- ✓ Removing stop words
- ✓ Removing special characters
- ✓ Converting upper to lower case.
- ✓ Tokenization

Below is the screenshot of sentiment analysis of “Narendra Modi” which shows 66.67% of them were positive reviews and 33.3% of them were negative and they had no neutral comments on him.





Conclusion

This sentiment analysis concludes that how many citizens of the country are supporting Prime Minister and how many of them feel differently. And such analysis can be used on any Country's Prime Ministers to see how the people are reacting to their Prime Minister during such pandemic situation.