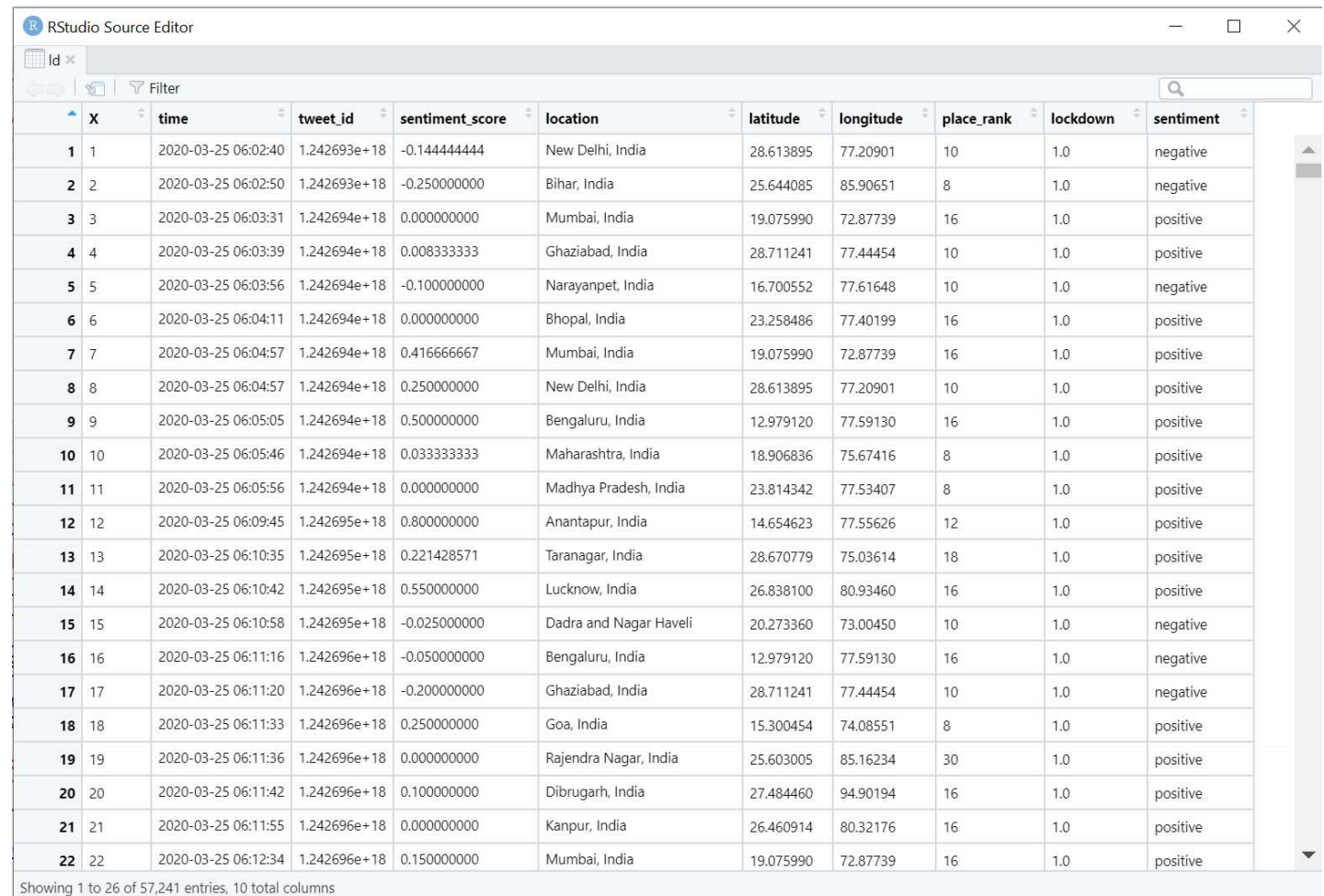


## Variables

The processed dataset contains 57,241 tuples.

Dataset source:

<https://ieee-dataport.org/open-access/tweets-originating-india-during-covid-19-lockdowns>



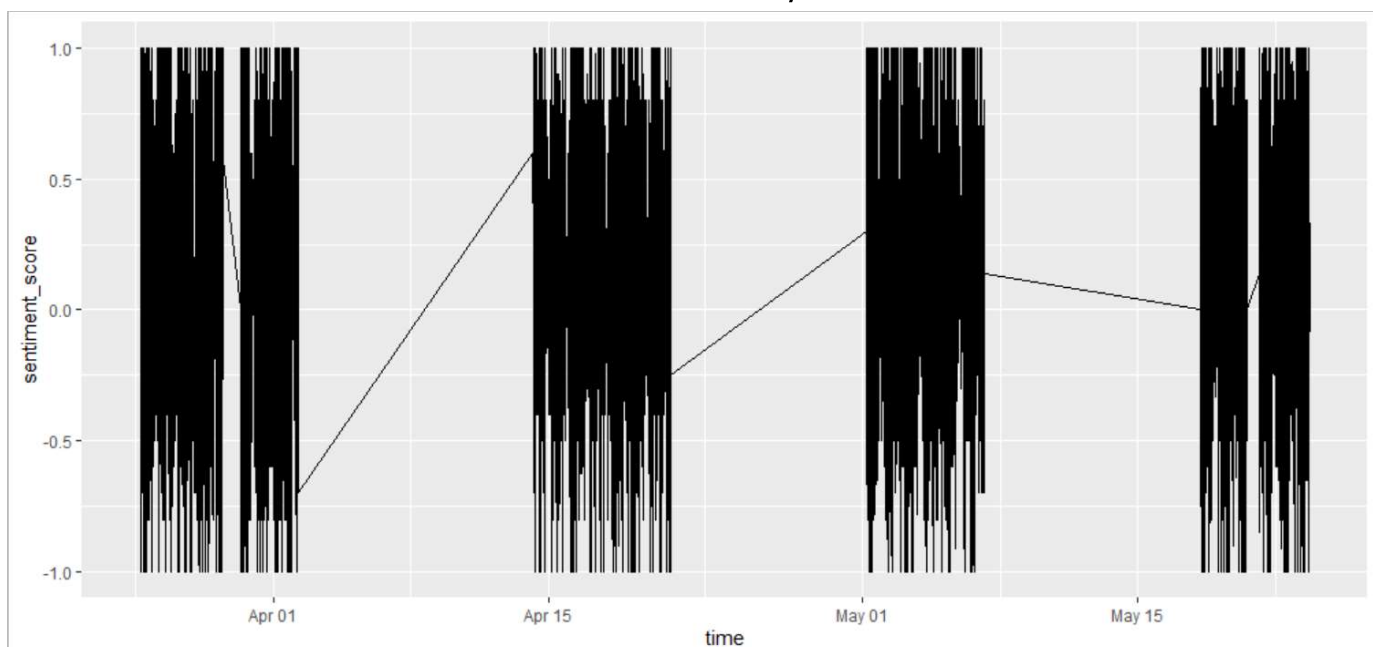
X	time	tweet_id	sentiment_score	location	latitude	longitude	place_rank	lockdown	sentiment
1	2020-03-25 06:02:40	1.242693e+18	-0.14444444	New Delhi, India	28.613895	77.20901	10	1.0	negative
2	2020-03-25 06:02:50	1.242693e+18	-0.25000000	Bihar, India	25.644085	85.90651	8	1.0	negative
3	2020-03-25 06:03:31	1.242694e+18	0.00000000	Mumbai, India	19.075990	72.87739	16	1.0	positive
4	2020-03-25 06:03:39	1.242694e+18	0.00833333	Ghaziabad, India	28.711241	77.44454	10	1.0	positive
5	2020-03-25 06:03:56	1.242694e+18	-0.10000000	Narayanpet, India	16.700552	77.61648	10	1.0	negative
6	2020-03-25 06:04:11	1.242694e+18	0.00000000	Bhopal, India	23.258486	77.40199	16	1.0	positive
7	2020-03-25 06:04:57	1.242694e+18	0.41666667	Mumbai, India	19.075990	72.87739	16	1.0	positive
8	2020-03-25 06:04:57	1.242694e+18	0.25000000	New Delhi, India	28.613895	77.20901	10	1.0	positive
9	2020-03-25 06:05:05	1.242694e+18	0.50000000	Bengaluru, India	12.979120	77.59130	16	1.0	positive
10	2020-03-25 06:05:46	1.242694e+18	0.03333333	Maharashtra, India	18.906836	75.67416	8	1.0	positive
11	2020-03-25 06:05:56	1.242694e+18	0.00000000	Madhya Pradesh, India	23.814342	77.53407	8	1.0	positive
12	2020-03-25 06:09:45	1.242695e+18	0.80000000	Anantapur, India	14.654623	77.55626	12	1.0	positive
13	2020-03-25 06:10:35	1.242695e+18	0.22142857	Taranagar, India	28.670779	75.03614	18	1.0	positive
14	2020-03-25 06:10:42	1.242695e+18	0.55000000	Lucknow, India	26.838100	80.93460	16	1.0	positive
15	2020-03-25 06:10:58	1.242695e+18	-0.02500000	Dadra and Nagar Haveli	20.273360	73.00450	10	1.0	negative
16	2020-03-25 06:11:16	1.242696e+18	-0.05000000	Bengaluru, India	12.979120	77.59130	16	1.0	negative
17	2020-03-25 06:11:20	1.242696e+18	-0.20000000	Ghaziabad, India	28.711241	77.44454	10	1.0	negative
18	2020-03-25 06:11:33	1.242696e+18	0.25000000	Goa, India	15.300454	74.08551	8	1.0	positive
19	2020-03-25 06:11:36	1.242696e+18	0.00000000	Rajendra Nagar, India	25.603005	85.16234	30	1.0	positive
20	2020-03-25 06:11:42	1.242696e+18	0.10000000	Dibrugarh, India	27.484460	94.90194	16	1.0	positive
21	2020-03-25 06:11:55	1.242696e+18	0.00000000	Kanpur, India	26.460914	80.32176	16	1.0	positive
22	2020-03-25 06:12:34	1.242696e+18	0.15000000	Mumbai, India	19.075990	72.87739	16	1.0	positive

Showing 1 to 26 of 57,241 entries, 10 total columns

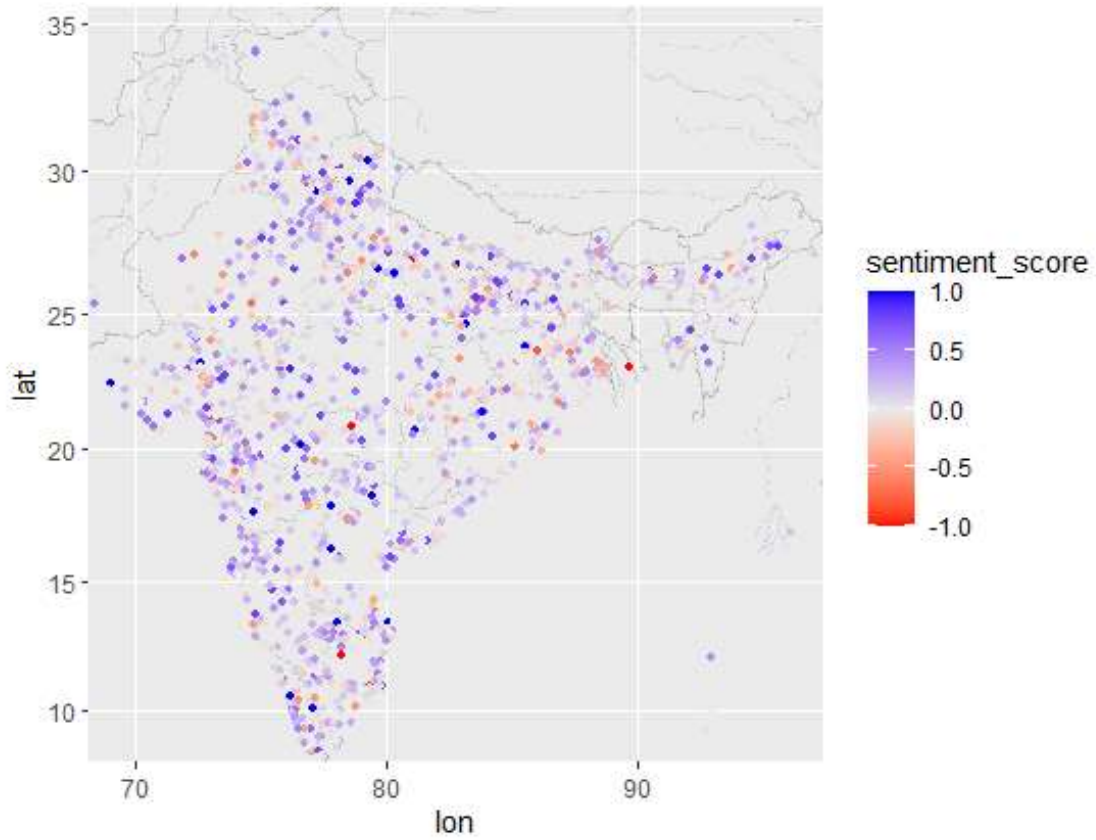
X	index
time	datetime value indicating the date and time of the tweet Min. :2020-03-25 06:02:40 Max. :2020-05-23 17:11:20
tweet_id	user's tweet id

sentiment_score	<p>sentiment score generated after sentiment analysis</p> <pre> sentiment_score Min.    :-1.0000 1st Qu.: 0.0000 Median  : 0.0000 Mean    : 0.1003 3rd Qu.: 0.2273 Max.    : 1.0000 </pre>
location	string containing location of the tweet
latitude	(obtained after geocoding the location) contains latitude of the tweet location
longitude	(obtained after geocoding the location) contains longitude of the tweet location
place_rank	rank provided to a place by <a href="#">Nominatim</a> tool according to its importance
lockdown	gives phase of the lockdown - 1.0, 2.0, 3.0, 4.0
sentiment	<p>output class - positive, negative</p> <p>if sentiment_score &gt;= 0, sentiment = positive else sentiment = negative</p> <p>negative positive 11593 45648</p>

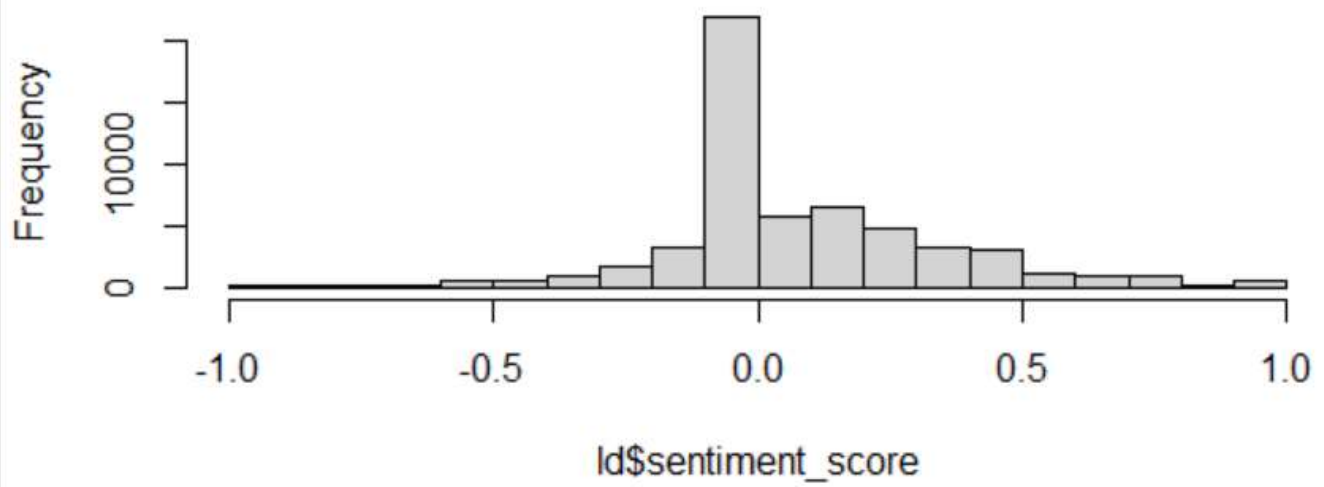
**Sentiment Score V/S Time**



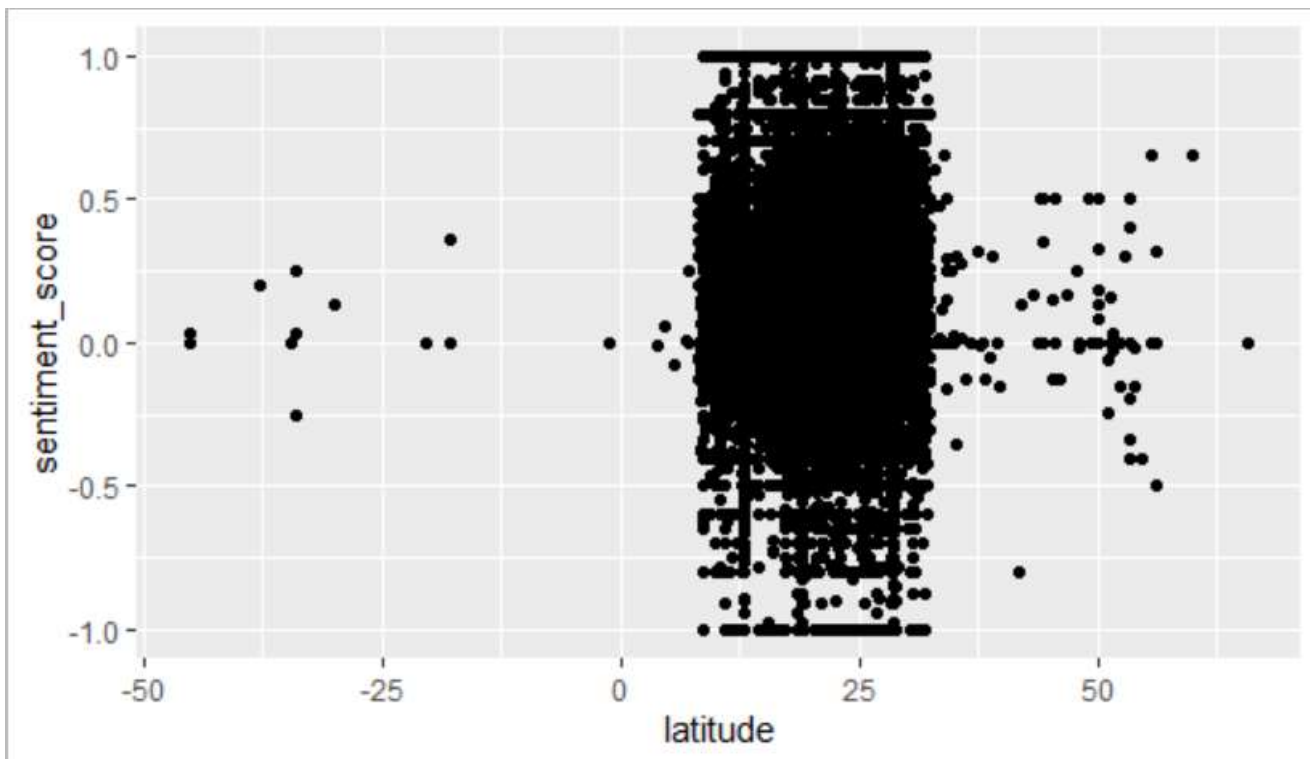
## Sentiment Score on Map



## Histogram of Id\$sentiment\_score



**Sentiment Score V/S latitude** **Pearson's  $r = -0.006930194$**



**Sentiment Score V/S Longitude** **Pearson's  $r = 0.002867482$**

