

twitter-questions

April 15, 2019

```
In [1]: import pandas as pd
import json
import ast
import operator
import re
from wordcloud import WordCloud, STOPWORDS
import matplotlib.pyplot as plt
import warnings
warnings.filterwarnings('ignore')

In [2]: def dict_sort_des(diction):
        sorted_d = sorted(diction.items(), key=operator.itemgetter(1), reverse=True)
        return sorted_d

def clean_tweet(tweet):
    return ' '.join(re.sub(r"(@[A-Za-z0-9]+)|([\^0-9A-Za-z \t])|(\w+:\/\/\S+)", " ", tweet).split())

def wordcloud_plot(text, colour):
    wordcloud = WordCloud(
        width = 3000,
        height = 2000,
        background_color = colour,
        stopwords = STOPWORDS).generate(str(text))

    fig = plt.figure(
        figsize = (40, 30),
        facecolor = 'k',
        edgecolor = 'k')

    plt.imshow(wordcloud, interpolation = 'bilinear')
    plt.axis('off')
    plt.tight_layout(pad=0)
    return plt.show()

In [3]: df = pd.read_csv('BJP4India_tweets.csv')
        # Filtering the retweets by text.
        df = df[~df.text.str.contains("RT")]
        df
```

```

Out[3]:
      id      created_at \
0  1116322959956697093  2019-04-11 12:51:48
1  1116320552761749505  2019-04-11 12:42:14
2  1116318097034469376  2019-04-11 12:32:29
3  1116312258169016320  2019-04-11 12:09:17
4  1116296458439761920  2019-04-11 11:06:30
5  1116296194647400449  2019-04-11 11:05:27
6  1116296089244557312  2019-04-11 11:05:02
7  1116295959065980930  2019-04-11 11:04:31
8  1116295774218833926  2019-04-11 11:03:47
9  1116294230052184064  2019-04-11 10:57:38
10 1116293614009638912  2019-04-11 10:55:11
11 1116293188443000832  2019-04-11 10:53:30
12 1116291919812775937  2019-04-11 10:48:28
13 1116291571169652736  2019-04-11 10:47:04
14 1116290865385787393  2019-04-11 10:44:16
15 1116289434448564224  2019-04-11 10:38:35
16 1116284892659064833  2019-04-11 10:20:32
18 1116282980106817537  2019-04-11 10:12:56
19 1116280596840345601  2019-04-11 10:03:28
20 1116277167149555712  2019-04-11 09:49:50
21 1116276694459932672  2019-04-11 09:47:58
22 1116276166489337856  2019-04-11 09:45:52
23 1116275545036050438  2019-04-11 09:43:23
24 1116275049055449093  2019-04-11 09:41:25
25 1116274730422554625  2019-04-11 09:40:09
26 1116273757553713152  2019-04-11 09:36:17
27 1116273270150447105  2019-04-11 09:34:21
28 1116272717387288576  2019-04-11 09:32:09
29 1116272051650584576  2019-04-11 09:29:31
30 1116269847057354752  2019-04-11 09:20:45
...
2954 1100371764939575296 2019-02-26 12:27:27
2955 1100369614528106496 2019-02-26 12:18:54
2956 1100364952957739009 2019-02-26 12:00:23
2957 1100364753858260997 2019-02-26 11:59:35
2958 1100363788723712005 2019-02-26 11:55:45
2959 1100363301521743872 2019-02-26 11:53:49
2960 1100362753405968384 2019-02-26 11:51:38
2961 1100362449302089728 2019-02-26 11:50:26
2962 1100361739181338624 2019-02-26 11:47:37
2963 1100357006534176768 2019-02-26 11:28:48
2964 1100355427244552192 2019-02-26 11:22:32
2965 1100350220053835776 2019-02-26 11:01:50
2966 1100346265563353088 2019-02-26 10:46:07
2967 1100344354068094976 2019-02-26 10:38:32
2968 1100328342035681280 2019-02-26 09:34:54
2969 1100321245474639872 2019-02-26 09:06:42

```

2970	1100320087297257472	2019-02-26 09:02:06
2971	1100319590947536898	2019-02-26 09:00:08
2972	1100319037290999808	2019-02-26 08:57:56
2973	1100318239676985344	2019-02-26 08:54:45
2974	1100317848612655105	2019-02-26 08:53:12
2975	1100316748861956099	2019-02-26 08:48:50
2976	1100316311962378245	2019-02-26 08:47:06
2977	1100316140457185281	2019-02-26 08:46:25
2978	1100315560854704128	2019-02-26 08:44:07
2979	1100314269105582080	2019-02-26 08:38:59
2980	1100313771497508864	2019-02-26 08:37:00
2981	1100312402761895936	2019-02-26 08:31:34
2984	1100280586575335424	2019-02-26 06:25:08
2985	1100278248615936000	2019-02-26 06:15:51

	text	retweet_count	\
0	Mamata Didi wants to impose Urdu over Bengali ...	250	
1	Mamata Banerjees TMC stands for \n\nT : 'Tush...	239	
2	Congress stalled the Assam Accord for three de...	258	
3	A new scam, Tughlak road election scam, has be...	458	
4	, ...	221	
5	We are committed to balanced development of As...	162	
6	...	342	
7	...	422	
8	...	360	
9	We are committed to implementing Citizen Amend...	185	
10	Congress has a history of creating trouble. In...	437	
11	, ...	320	
12	, ...	245	
13	NDA will win all five seats of Assam on which ...	236	
14	, ...	240	
15	LIVE: PM Modi addresses public meeting at Silc...	359	
16	...	560	
18	LIVE: Shri @naqvimukhtar is addressing a press...	347	
19	In Bengal, the goons of TMC have killed more t...	831	
20	,\n\n ...	302	
21	, 40 ...	188	
22	, ...	319	
23	BJP is committed to bring NRC in West Bengal l...	230	
24	4.24 ...	187	
25	- ...	282	
26	Mamata Banerjees TMC stands for \nT : Tushtik...	551	
27	The people of the country have made up their m...	184	
28	,...	205	
29	Mamata Didi wants to impose Urdu over Bengali ...	254	
30	LIVE: Shri @AmitShah addresses public meeting ...	727	
...	
2954	...	589	

2955	Shri @AmitShah is speaking at Chaupal Pe Charc...	1713
2956	Look at the affection and love for PM Modi in ...	702
2957	...	929
2958	...	524
2959	...	575
2960	...	826
2961	...	570
2962	...	548
2963	PM Shri @narendramodi unveils world's largest ...	845
2964	LIVE : PM Modi unveils world's largest Bhagwad...	1075
2965	, 0...	946
2966	, , ...	2429
2967	1 ...	701
2968	\n ...	4779
2969	...	3356
2970	, ...	514
2971	50 ...	625
2972	...	571
2973	: , ...	624
2974	, ...	753
2975	...	477
2976	OROP ...	679
2977	\n\n ...	432
2978	, ...	978
2979	, ...	551
2980	\n\n ...	608
2981	: , ...	1112
2984	Let's crack some job numbers for the naysayers...	535
2985	Let's crack some job numbers for the naysayers...	716

	favorite_count	photos	videos	url	\
0	743	0	1	1	
1	705	0	1	1	
2	766	0	1	1	
3	1101	0	1	1	
4	794	0	0	0	
5	504	0	0	0	
6	1173	0	0	0	
7	1826	0	0	0	
8	1390	0	0	0	
9	524	2	0	1	
10	1141	0	0	0	
11	1017	0	0	0	
12	676	2	0	1	
13	691	2	0	1	
14	629	2	0	1	
15	1079	0	0	1	
16	1530	0	0	0	

18	992	0	0	1
19	2363	0	1	1
20	863	2	0	1
21	599	2	0	1
22	1120	0	0	0
23	626	2	0	1
24	529	2	0	1
25	844	2	0	1
26	1605	0	0	0
27	516	2	0	1
28	638	2	0	1
29	701	2	0	1
30	1965	0	0	1
...
2954	1331	2	0	1
2955	4940	0	0	1
2956	2019	2	0	1
2957	3161	0	0	0
2958	1331	2	0	1
2959	1619	0	0	0
2960	3044	0	0	0
2961	1324	2	0	1
2962	1364	2	0	1
2963	2491	2	0	1
2964	3340	0	0	1
2965	3071	0	1	1
2966	9691	0	1	1
2967	1959	0	1	1
2968	18331	0	1	1
2969	13796	0	1	1
2970	1303	2	0	1
2971	2170	0	0	0
2972	1768	2	0	1
2973	2235	0	0	0
2974	2675	2	0	1
2975	1247	2	0	1
2976	2419	0	0	0
2977	1102	2	0	1
2978	2747	2	0	1
2979	1559	2	0	1
2980	1846	2	0	1
2981	3475	0	0	1
2984	1312	0	1	1
2985	2139	0	1	1

hashes

0	[{u'indices': [238, 254], u'text': u'NaMoForNe...
1	[{u'indices': [176, 192], u'text': u'NaMoForNe...

```

2      [{u'indices': [229, 245], u'text': u'NaMoForNe...
3      [{u'indices': [265, 281], u'text': u'NaMoForNe...
4      [{u'indices': [151, 167], u'text': u'NaMoForNe...
5      [{u'indices': [186, 202], u'text': u'NaMoForNe...
6      [{u'indices': [197, 213], u'text': u'NaMoForNe...
7      [{u'indices': [150, 166], u'text': u'NaMoForNe...
8      [{u'indices': [206, 222], u'text': u'NaMoForNe...
9      [{u'indices': [130, 146], u'text': u'NaMoForNe...
10     [{u'indices': [263, 279], u'text': u'NaMoForNe...
11     [{u'indices': [171, 187], u'text': u'NaMoForNe...
12     [{u'indices': [240, 256], u'text': u'NaMoForNe...
13     [{u'indices': [145, 161], u'text': u'NaMoForNe...
14     [{u'indices': [215, 231], u'text': u'NaMoForNe...
15     [{u'indices': [58, 74], u'text': u'NaMoForNewI...
16     [{u'indices': [185, 201], u'text': u'NaMoForNe...
18
19     [{u'indices': [245, 261], u'text': u'NaMoForNe...
20     [{u'indices': [53, 69], u'text': u'NaMoForNewI...
21     [{u'indices': [193, 209], u'text': u'NaMoForNe...
22     [{u'indices': [158, 174], u'text': u'NaMoForNe...
23     [{u'indices': [181, 197], u'text': u'NaMoForNe...
24     [{u'indices': [121, 137], u'text': u'NaMoForNe...
25     [{u'indices': [239, 255], u'text': u'NaMoForNe...
26     [{u'indices': [137, 153], u'text': u'NaMoForNe...
27     [{u'indices': [251, 267], u'text': u'NaMoForNe...
28     [{u'indices': [207, 223], u'text': u'NaMoForNe...
29     [{u'indices': [168, 184], u'text': u'NaMoForNe...
30     [{u'indices': [78, 94], u'text': u'NaMoForNewI...
...
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2984 [{u'indices': [261, 276], u'text': u'HereAreTh...
2985 [{u'indices': [203, 218], u'text': u'HereAreTh...

```

```
[2827 rows x 9 columns]
```

```
In [4]: k = df[df['favorite_count']==df['favorite_count'].max()]
pd.set_option('display.max_colwidth', -1)
k
```

```
Out[4]:
```

	id	created_at	\			
1804	1110886268408233984	2019-03-27 12:48:20				
1804	Congress led UPA\nSurgical Strike : Don't do it\nAir Strike: Don't do it\nA-SAT Mi					
	retweet_count	favorite_count	photos	videos	url	\
1804	13821	43525	0	0	0	
	hashes					
1804	[{u'indices': [210, 224], u'text': u'MissionShakti'}]					

```
In [5]: k = df[df['retweet_count']==df['retweet_count'].max()]
pd.set_option('display.max_colwidth', -1)
k
```

```
Out[5]:
```

	id	created_at	\			
705	1114495595421376512	2019-04-06 11:50:30				
705	\n\n ? https://t.co/U2KZ1MFf7b					
	retweet_count	favorite_count	photos	videos	url	hashes
705	18116	37735	0	1	1	[]

0.1 Algorithm for popularity -> retweet_count(0.7) + favourite_count(0.3) ->score

```
In [13]: j = df.assign(f = df['retweet_count']*0.7 + df['favorite_count']*0.3).sort_values('f').
j = j.tail(5)
j
```

```

Out[13]:
      id      created_at \
171  1113779196499611649  2019-04-04 12:23:48
1397 1096443075872858117  2019-02-15 16:16:14
1169 1100681833451204608  2019-02-27 08:59:33
69    1115449252837122049  2019-04-09 03:00:00
2790 1072472676260872193  2018-12-11 12:46:26

171  The streets of Wayanad, Kerala are filled with cheers for Congress President @Rah
1397 Congress President @RahulGandhi pays his respects to the fallen soldiers in the t
1169 With the growing hysteria it is easy to succumb to hate propaganda & fake new
69    Bollywood has one message to the people of India: Vote karo, magar soch samajh ke
2790 Democracy has won!\n\nThank you India, you have chosen love over hate, peace over

      retweet_count  favorite_count  photos  videos  url \
171  4192            14562            0        1        1
1397 3700            16606            2        0        1
1169 4904            15761            0        0        0
69    5635            16427            0        1        1
2790 5115            23821            2        0        1

171  [{u'indices': [200, 219], u'text': u'RahulGandhiWayanad'}, {u'indices': [220, 235
1397 []
1169 []
69    []
2790 [{u'indices': [139, 155], u'text': u'CongressWinsBIG'}]

```

```

In [7]: hash_dict = {}
        for k in df['hashes']:
            if 'text' in k:
                l = k.strip('[')
                l = l.strip(']')
                m = ast.literal_eval(l)
                if (type(m)) == dict:
                    j = (m['text'])
                    if j not in hash_dict.keys():
                        hash_dict[j] = 1
                    else:
                        hash_dict[j] += 1
            else:
                for h in m:
                    if (type(m)) == dict:
                        j = (m['text'])
                        if j not in hash_dict.keys():
                            hash_dict[j] = 1
                        else:
                            hash_dict[j] += 1

```



```
print(dict_sort_des(hash_dict)[:5])
```

```
[('BJPSankalpPatr2019', 139), ('IsBaarNaMoPhirSe', 134), ('IsBaarPhirModi', 121), ('IndiaWithNaM
```

0.2 Indian National Congress

```
In [8]: df = pd.read_csv('INCIndia_tweets.csv')
        # Filtering the retweets by text.
        df = df[~df.text.str.contains("RT")]
        df
```

```
Out[8]:
```

	id	created_at	\
1	1116282117405626370	2019-04-11 10:09:30	
2	1116269243891191808	2019-04-11 09:18:21	
3	1116265788271259648	2019-04-11 09:04:37	
4	1116259069608599553	2019-04-11 08:37:55	
5	1116249506691969024	2019-04-11 07:59:55	
6	1116247776763867136	2019-04-11 07:53:03	
7	1116244919956332545	2019-04-11 07:41:42	
8	1116241950938546176	2019-04-11 07:29:54	
9	1116240536212348933	2019-04-11 07:24:17	
10	1116233896612392965	2019-04-11 06:57:54	
11	1116170252965093376	2019-04-11 02:45:00	
12	1116166477420187648	2019-04-11 02:30:00	
13	1116030075827179521	2019-04-10 17:27:59	
14	1116006352860610560	2019-04-10 15:53:43	
15	1116000384454090752	2019-04-10 15:30:00	
16	1115991320693108736	2019-04-10 14:53:59	
17	1115977972157046784	2019-04-10 14:00:57	
19	1115957956325990400	2019-04-10 12:41:24	
20	1115957952119107584	2019-04-10 12:41:23	
21	1115957948612665344	2019-04-10 12:41:23	
22	1115957945089417219	2019-04-10 12:41:22	
23	1115957941989806080	2019-04-10 12:41:21	
24	1115957936201711621	2019-04-10 12:41:20	
25	1115957932833656832	2019-04-10 12:41:19	
26	1115957930203828226	2019-04-10 12:41:18	
27	1115943441714651137	2019-04-10 11:43:44	
28	1115941904074539008	2019-04-10 11:37:37	
29	1115941898739384325	2019-04-10 11:37:36	
30	1115941893303603201	2019-04-10 11:37:35	
31	1115941887465152514	2019-04-10 11:37:33	
...	
2786	1072494699938607104	2018-12-11 14:13:57	
2788	1072484262128091136	2018-12-11 13:32:28	
2789	1072478466015141888	2018-12-11 13:09:26	
2790	1072472676260872193	2018-12-11 12:46:26	

2791 1072471362818768896 2018-12-11 12:41:13
 2792 1072465942104416257 2018-12-11 12:19:40
 2793 1072424659398856705 2018-12-11 09:35:38
 2794 1072374123052052480 2018-12-11 06:14:49
 2795 1072350613390938112 2018-12-11 04:41:24
 2796 1072317545909121024 2018-12-11 02:30:00
 2797 1072128806444507137 2018-12-10 14:00:01
 2798 1072127544269266944 2018-12-10 13:55:00
 2799 1072126285940314113 2018-12-10 13:50:00
 2800 1072125819751813120 2018-12-10 13:48:09
 2801 1072125027632373760 2018-12-10 13:45:00
 2802 1072122511905775616 2018-12-10 13:35:00
 2803 1072121504777818115 2018-12-10 13:31:00
 2804 1072107516517990400 2018-12-10 12:35:25
 2805 1072099195266449408 2018-12-10 12:02:21
 2806 1072092066019078144 2018-12-10 11:34:01
 2807 1072076906433036289 2018-12-10 10:33:47
 2808 1072076301178032128 2018-12-10 10:31:23
 2809 1072069489473114112 2018-12-10 10:04:19
 2810 1072046542486269952 2018-12-10 08:33:08
 2811 1072044256972419072 2018-12-10 08:24:03
 2812 1072044148721541121 2018-12-10 08:23:37
 2813 1072044016248606721 2018-12-10 08:23:05
 2814 1072043807674265600 2018-12-10 08:22:16
 2815 1072043679924203520 2018-12-10 08:21:45
 2816 1072043438084771840 2018-12-10 08:20:47

1 Congress President @RahulGandhi speaks to the media in Rae Bareli. \n\n#SoniaGandhi
 2 Is Modi invincible?\nUPA Chairperson Smt. Sonia Gandhi gives a fitting reply to th
 3 Four time MP from Rae Bareli, UPA Chairperson Smt. Sonia Gandhi files her nominati
 4 UPA Chairperson Smt. Sonia Gandhi at her road show in Rae Bareli before filing her
 5 The streets of Rae Bareli are filled with love & support for Smt. Sonia Gandhi
 6 Shared moments of a Puja ahead of Smt. Sonia Gandhi's nomination today. \n\n#Sonia
 7 UPA Chairperson Smt. Sonia Gandhi, Congress President @RahulGandhi & GS I/c UP
 8 Hundreds of people gather in Rae Bareli today to share their love & support fo
 9 Listen to the song by @RaghavMeattle that perfectly captures the question on every
 10 Voting is the right of every citizen, no matter creed or caste. We strongly condem
 11 - , , , \n#MyVoteForCongress #AbHogaNyay https://
 12 Today you decide\nLove over hate\nJobs over pakoda\nPolicies over propoganda\nOne
 13 The triumph of truth begins.\nThe time for jumlas are over.\nExhibit A - https://t
 14 - , \n , \n , \n , "" \n#AbHogaNYAY https://t.co/JOQDZjDt1N
 15 Thank you India for sending in your entries for NYAY. Now it's your time to vote f
 16 " , , , " : @RahulGandhi\n#JanSankalpRally #ChowkidarChorHai h
 17 "I challenge Narendra Modi to debate me on corruption": Congress President @RahulG
 19 .@narendramodi wants two Hindustans: one for the rich & one for the poor. I wi
 20 , - ' ' : @RahulGandhi\n#BengalWithRahulGandhi
 21 In the last 70 years, Congress party has never gotten into an alliance with the BJ

22 I said in Rajasthan, MP and Chhattisgarh that if Modi can waive lakhs of crores of
 23 22 , 10 , : @RahulGandhi\n#BengalWithRahulG
 24 , : @RahulGandhi\n#BengalWithRahulGandhi
 25 Did anyone here receive 15 lakhs in your account? We have discussed with leading e
 26 "" 12,000 20% 72,000 : @RahulGandhi\n#BengalWithRahulGa
 27 LIVE: Congress President @RahulGandhi addresses public meeting in Raiganj, West Be
 28 , : @RahulGandhi\n#JanSankalpRally
 29 , , , : @RahulGandhi\n#JanSankalpRally
 30 CBI Director was removed at midnight after he started an inquiry into the Rafale d
 31 - : @RahulGandhi\n#JanSankalpRally
 ...
 2786 LIVE: Congress President @RahulGandhi addresses the media on Assembly Elections. #
 2788 \n ... ; \n ... \n\n#CongressWinsBIG https://t.co/mCQJcobOLk
 2789 , , \n\n#CongressWinsBIG https://t.co/DvDTS5R467
 2790 Democracy has won!\n\nThank you India, you have chosen love over hate, peace over
 2791 \n\n#CongressWinsBIG https://t.co/dNJ0X1Bf7R
 2792 \n\n#CongressWinsBIG https://t.co/vGelK3s3Bi
 2793 Very unfortunate and is a severe blow to the nations economy: Former PM Dr. Manmoh
 2794 During 2008's global recession, India was one of the only countries to stay afloat
 2795 We wish Former President, Shri. Pranab Mukherjee a Happy Birthday! \nWith a politi
 2796 Subramania Bharati was a poet and a writer from Tamil Nadu. He was a social reform
 2797 It is clear to the entire country, the resignation of RBI Governor Urjit Patel is
 2798 There was consensus in our room that BJs corruption on Rafale, Demo & other a
 2799 The govt. is getting more & more desperate. The govt. is taking measures that
 2800 Taking away the reserves from the RBII to save your skin to atone for the sins you
 2801 Former RBI Governor Raghuram Rajan is right, we should all be concerned by the gov
 2802 Were not going to tolerate what is happening in the CBI, RBI & every other ins
 2803 We have to stop the BJs assault on our institutions, stop the assault on the CBI,
 2804 , "" ... | https://t.co/dUCOkYpmQ3
 2805 Another one bites the dust. \n\nThis is the result of our 'chowkidar's' assault on
 2806 Change is coming. \n\nUPA Chairperson Smt. Sonia Gandhi, Former PM Dr. Manmohan Si
 2807 \n https://t.co/qQ4rxzHU17
 2808 |\n || https://t.co/7j14T8XLk3
 2809 Former Prime Minister Dr Manmohan Singh and Congress President @RahulGandhi and ot
 2810 In a political climate where citizens are arrested, lynched or humiliated for expr
 2811 2019 : @RahulGandhi\n#_ https://t.co/Y72dSP9yu4
 2812 Institutions are encroached by Modi govt; Supreme Court is not allowed to function
 2813 : @RahulGandhi \n#_ https://t.co/mypsv4sK7P
 2814 Defeating BJP in elections is not our ultimate goal. Our ultimate goal is solve fa
 2815 Anger of our nation is rising. This anger is used by BJP-RSS for their political g
 2816 , - : @RahulGandhi\n#_ https://t.co/ISfCYZ4Plo

	retweet_count	favorite_count	photos	videos	url \
1	791	2518	0	1	1
2	727	2085	0	1	1
3	495	1737	2	0	1
4	527	1814	2	0	1
5	955	2749	0	1	1

6	987	4526	2	0	1
7	1522	5702	0	1	1
8	476	1465	2	0	1
9	417	954	0	1	1
10	376	831	2	0	1
11	901	2531	2	0	1
12	2192	6702	2	0	1
13	1685	4292	0	1	1
14	758	2048	0	1	1
15	887	2564	0	0	1
16	1910	6586	0	1	1
17	1701	5847	0	1	1
19	550	1957	0	0	0
20	640	2419	0	0	0
21	212	402	0	0	0
22	172	274	0	0	0
23	178	264	0	0	0
24	162	244	0	0	0
25	170	267	0	0	0
26	162	248	0	0	0
27	911	2936	0	0	1
28	733	2922	0	0	0
29	836	3292	0	0	0
30	140	254	0	0	0
31	126	236	0	0	0
...
2786	2176	7609	0	0	1
2788	635	2351	2	0	1
2789	3131	10644	0	1	1
2790	5115	23821	2	0	1
2791	696	2098	0	1	1
2792	846	3300	0	1	1
2793	1206	4764	0	0	1
2794	831	2265	0	1	1
2795	530	2362	2	0	1
2796	293	906	2	0	1
2797	548	1415	2	0	1
2798	819	2625	2	0	1
2799	610	1544	2	0	1
2800	496	1242	2	0	1
2801	569	1566	2	0	1
2802	2862	9807	0	1	1
2803	1204	3433	0	1	1
2804	562	1375	2	0	1
2805	877	2236	0	0	1
2806	718	2227	2	0	1
2807	245	700	2	0	1
2808	542	1719	2	0	1

2809	423	1292	2	0	1
2810	421	1217	2	0	1
2811	359	943	2	0	1
2812	265	681	0	0	0
2813	184	383	2	0	1
2814	183	311	2	0	1
2815	154	260	0	0	0
2816	234	457	2	0	1

```

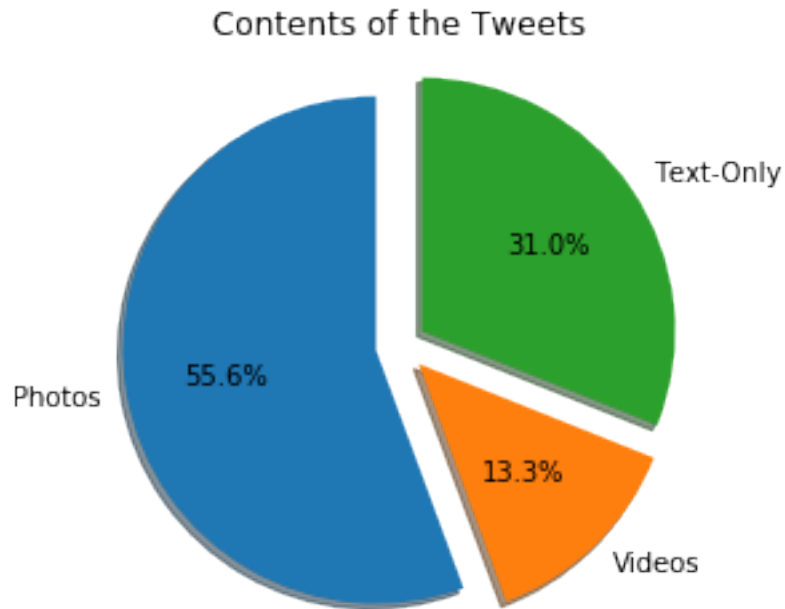
1      [{u'indices': [69, 90], u'text': u'SoniaGandhiRaeBareli'}]
2      [{u'indices': [134, 155], u'text': u'SoniaGandhiRaeBareli'}]
3      [{u'indices': [121, 142], u'text': u'SoniaGandhiRaeBareli'}]
4      [{u'indices': [96, 117], u'text': u'SoniaGandhiRaeBareli'}]
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8      []
9      []
10     []
11     [{u'indices': [190, 208], u'text': u'MyVoteForCongress'}, {u'indices': [209, 220],
12     [{u'indices': [151, 169], u'text': u'MyVoteForCongress'}, {u'indices': [170, 181],
13     []
14     [{u'indices': [170, 181], u'text': u'AbHogaNYAY'}]
15     [{u'indices': [131, 142], u'text': u'AbHogaNYAY'}]
16     [{u'indices': [164, 180], u'text': u'JanSankalpRally'}, {u'indices': [181, 198], u'
17     [{u'indices': [88, 104], u'text': u'JanSankalpRally'}, {u'indices': [105, 119], u'
19     [{u'indices': [262, 284], u'text': u'BengalWithRahulGandhi'}]
20     [{u'indices': [226, 248], u'text': u'BengalWithRahulGandhi'}]
21     [{u'indices': [245, 267], u'text': u'BengalWithRahulGandhi'}]
22     [{u'indices': [254, 276], u'text': u'BengalWithRahulGandhi'}]
23     [{u'indices': [218, 240], u'text': u'BengalWithRahulGandhi'}]
24     [{u'indices': [218, 240], u'text': u'BengalWithRahulGandhi'}]
25     [{u'indices': [230, 252], u'text': u'BengalWithRahulGandhi'}]
26     [{u'indices': [175, 197], u'text': u'BengalWithRahulGandhi'}]
27     [{u'indices': [88, 110], u'text': u'BengalWithRahulGandhi'}]
28     [{u'indices': [170, 186], u'text': u'JanSankalpRally'}]
29     [{u'indices': [247, 263], u'text': u'JanSankalpRally'}]
30     [{u'indices': [197, 213], u'text': u'JanSankalpRally'}]
31     [{u'indices': [137, 153], u'text': u'JanSankalpRally'}]
...
2786   [{u'indices': [81, 97], u'text': u'CongressWinsBIG'}]
2788   [{u'indices': [132, 148], u'text': u'CongressWinsBIG'}]
2789   [{u'indices': [65, 81], u'text': u'CongressWinsBIG'}]
2790   [{u'indices': [139, 155], u'text': u'CongressWinsBIG'}]
2791   [{u'indices': [182, 198], u'text': u'CongressWinsBIG'}]
2792   [{u'indices': [100, 116], u'text': u'CongressWinsBIG'}]
2793   [{u'indices': [125, 136], u'text': u'UrjitPatel'}]

```



```
plt.show()
```

1480 tweets consist of images.



```
In [10]: # k = df[(df['retweet_count']*0.7 + df['favorite_count']*0.3)]=(df['retweet_count']*0.7 + df['favorite_count']*0.3).sort_values('f').tail(1000)
```

```
In [11]: tweet_words = []
         for k in j['text']:
             tweet_words.append(clean_tweet(k))
         tweet_words = list(filter(None, tweet_words))
         wordcloud_plot(tweet_words, 'black')
```



```
                hash_dict[j] += 1
    print(dict_sort_des(hash_dict)[:5])

[('NammaRahulGandhi', 56), ('TelanganasProgressWithCongress', 45), ('YoungIndiaRising', 43), ('V
```