

# **‘Oh, No’: The day Trump learned to tweet**

Progetto di Visualizzazione Scientifica 2022

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01

## Data Scrapping

Lettura csv e  
*Pre-processing* dei dati

02

## Analisi dei dati

Visualizzazione del  
dataset



**01**

# ***Data Scraping***

# *Data Scraping* **Le 3 fasi**



## **Raccolta Dati**

Il dataset raccoglie i **tweet**  
dal **2009** al **2020**

*Perchè?*



## **Lettura del CSV**



## ***Processing***

Estrazione delle informazioni  
più importanti

Rimozione delle informazioni  
superflue → **pulizia del dato**





## Raccolta Dati

### *Data Scraping* **Le 3 fasi**



**Donald J. Trump** 

@realDonaldTrump

51 Following 88.783.590 Follower

### **Account sospeso**

Twitter sospende gli account che violano le  
[Regole di Twitter](#).

**41 121**

Tweet prodotti

**11 anni**

Anni di utilizzo di Twitter

**88.7 M**

Follower fino al 2020



# Processing

## Data Scraping Le 3 fasi



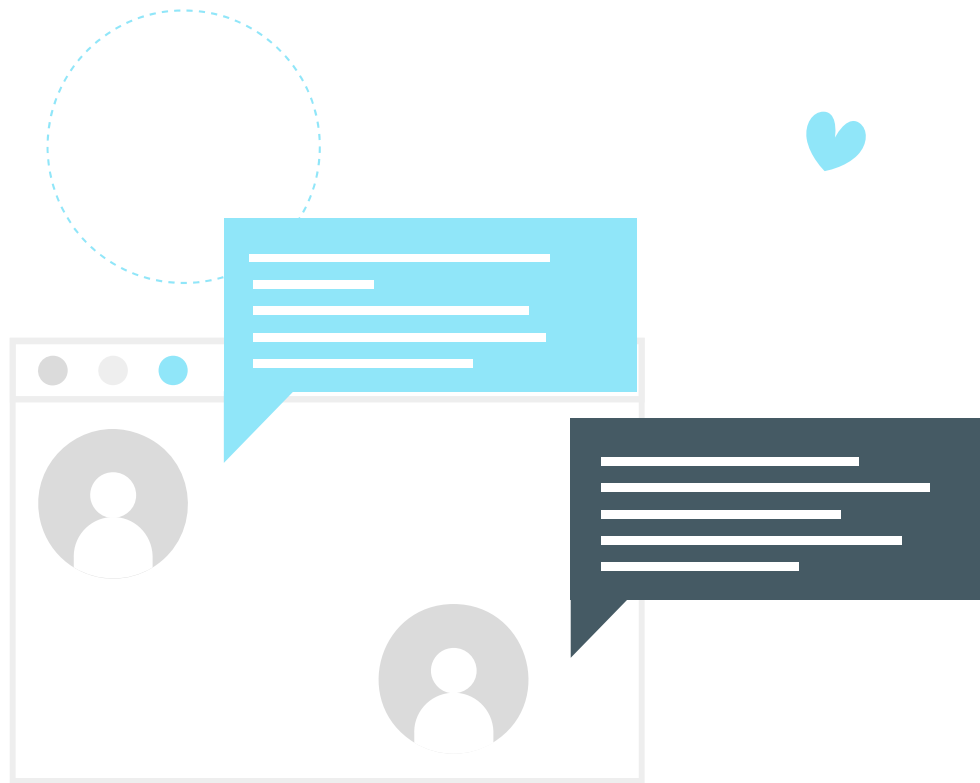
Prima

	id	link	content	date	retweets	favorites	mentions	hashtags	geo
0	1698308935	https://twitter.com/realDonaldTrump/status/169...	Be sure to tune in and watch Donald Trump on L...	2009-05-04 20:54:25	500	868	NaN	NaN	NaN
1	1701461182	https://twitter.com/realDonaldTrump/status/170...	Donald Trump will be appearing on The View tom...	2009-05-05 03:00:10	33	273	NaN	NaN	NaN
2	1737479987	https://twitter.com/realDonaldTrump/status/173...	Donald Trump reads Top Ten Financial Tips on L...	2009-05-08 15:38:08	12	18	NaN	NaN	NaN
3	1741160716	https://twitter.com/realDonaldTrump/status/174...	New Blog Post: Celebrity Apprentice Finale and...	2009-05-08 22:40:15	11	24	NaN	NaN	NaN
4	1773561338	https://twitter.com/realDonaldTrump/status/177...	"My persona will never be that of a wallflower...	2009-05-12 16:07:28	1399	1965	NaN	NaN	NaN

Dopo

	content	retweets	favorites	mentions	hashtags	geo	year	month	dates	hour	minute	second
0	sure tune watch donald trump late night david ...	500	868	NaN	NaN	NaN	2009	5	4	20	54	25
1	donald trump appearing view tomorrow morning d...	33	273	NaN	NaN	NaN	2009	5	5	3	0	10
2	donald trump reads top ten financial tips late...	12	18	NaN	NaN	NaN	2009	5	8	15	38	8
3	new blog post: celebrity apprentice finale les...	11	24	NaN	NaN	NaN	2009	5	8	22	40	15
4	"my persona never wallflower - i'd rather buil...	1399	1965	NaN	NaN	NaN	2009	5	12	16	7	28





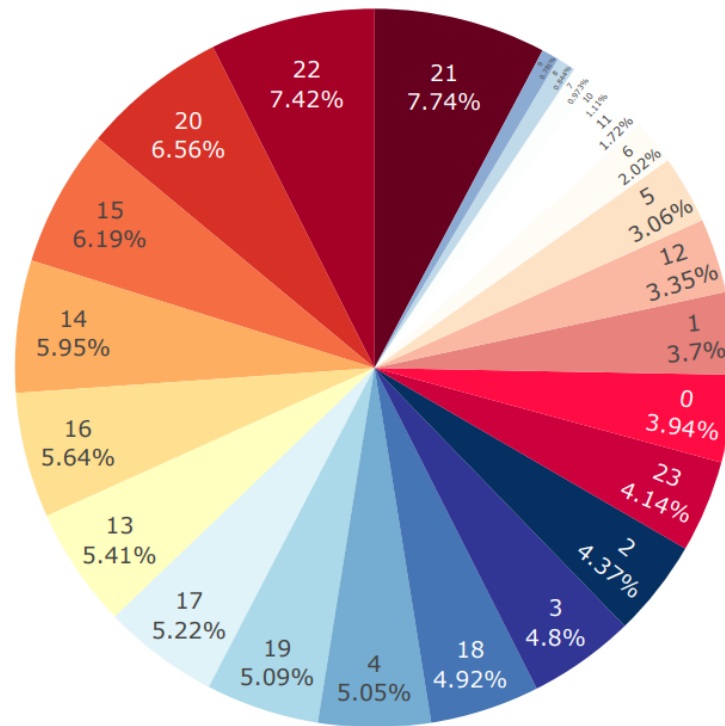
**02**

# **Analisi dei dati**



## **Ore di maggior attività su Twitter**

Le ore in cui si è registrata una maggiore attività sono le ore serali

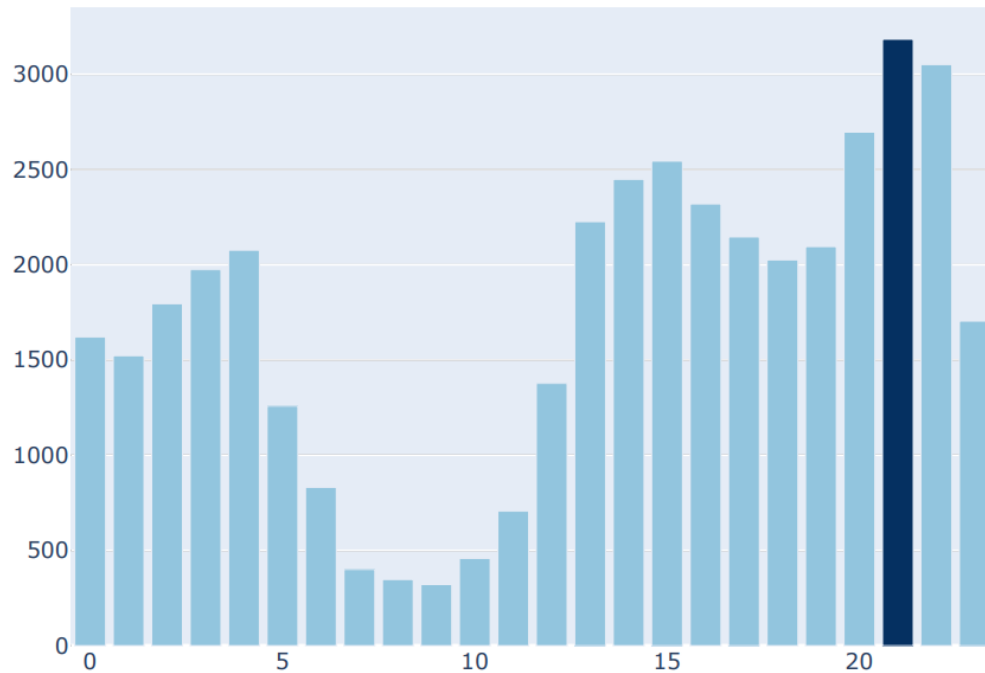






## **Ore di maggior attività su Twitter**

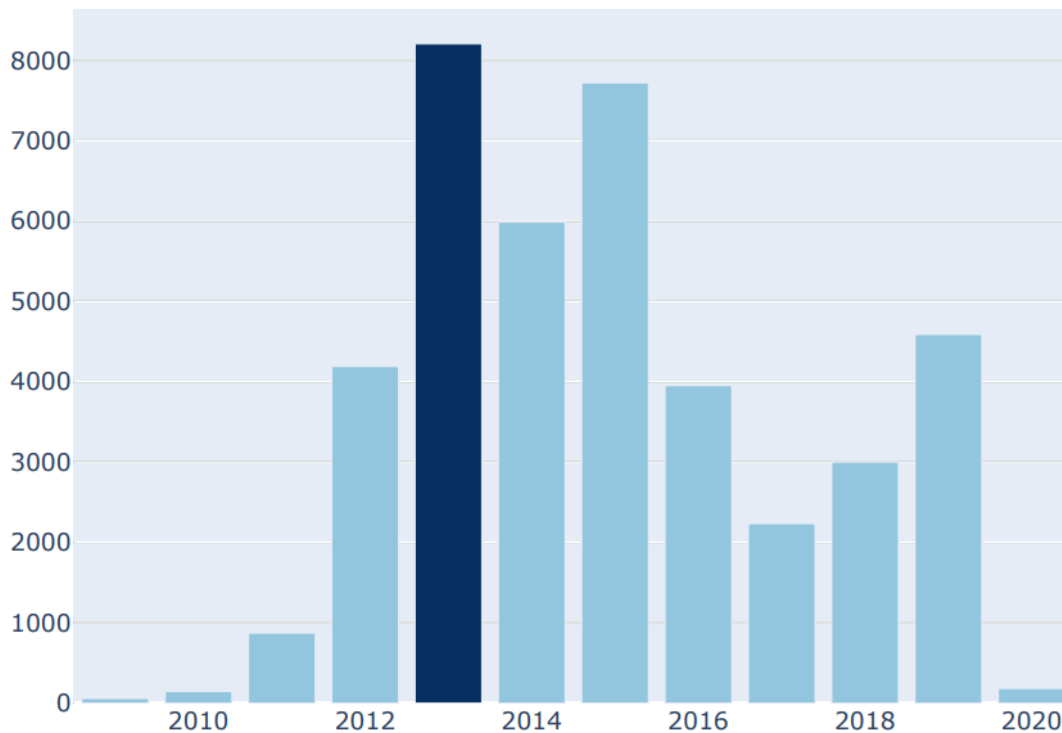
Le ore in cui si è registrata una maggiore attività sono le ore serali





# Numero di tweet negli anni

*Come mai così tanti tweet nel  
**2013?***





**Donald J. Trump**  
@realDonaldTrump

Let's get out of Afghanistan. Our troops are being killed by the Afghanis we train and we waste billions there. Nonsense! Rebuild the USA.

1:55 PM - 11 Jan 2013

2,229 Retweets 1,596 Likes



Following



**Donald J. Trump**  
@realDonaldTrump

The President must get Congressional approval before attacking Syria-big mistake if he does not!

RETWEETS  
27,112

LIKES  
15,767

8:02 PM - 30 Aug 2013



**Donald J. Trump**  
@realDonaldTrump

We should have gotten more of the oil in Syria, and we should have gotten more of the oil in Iraq. Dumb leaders.

RETWEETS  
231

LIKES  
41

4:28 PM - 16 Mar 2012



231

41



**Donald J. Trump**  
@realDonaldTrump

What will we get for bombing Syria besides more debt and a possible long term conflict? Obama needs Congressional approval.

RETWEETS  
25,174

LIKES  
14,953

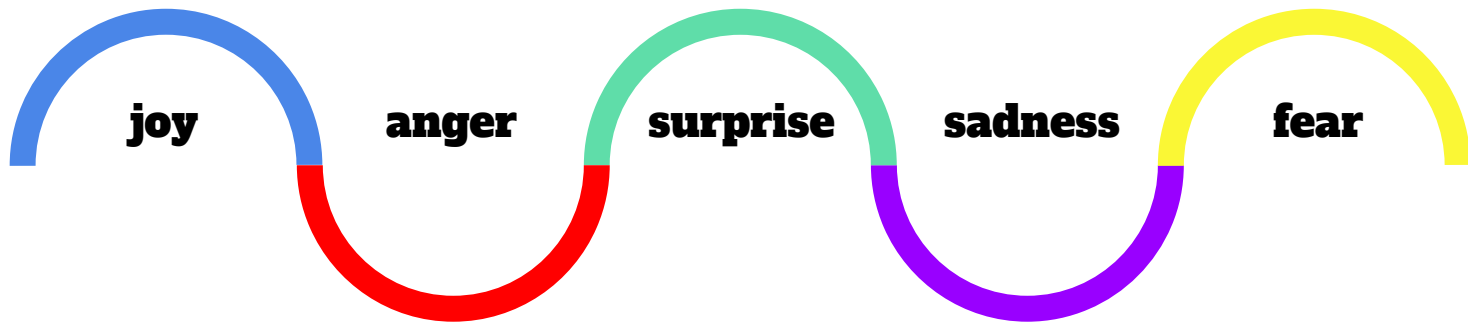
3:14 PM - 29 Aug 2013





# ***Emotional Analysis***

Analisi delle emozioni presenti nei tweet di Trump tramite la libreria  
***text2emotion***



# ***Emotional Analysis***

## **Pulizia del Dato**

Dall'analisi delle emozioni si ottiene, per **ogni testo processato**, un dizionario con le % delle varie emozioni

Il dato ottenuto è stato analizzato per poter essere **classificato** con una unica **emozione**

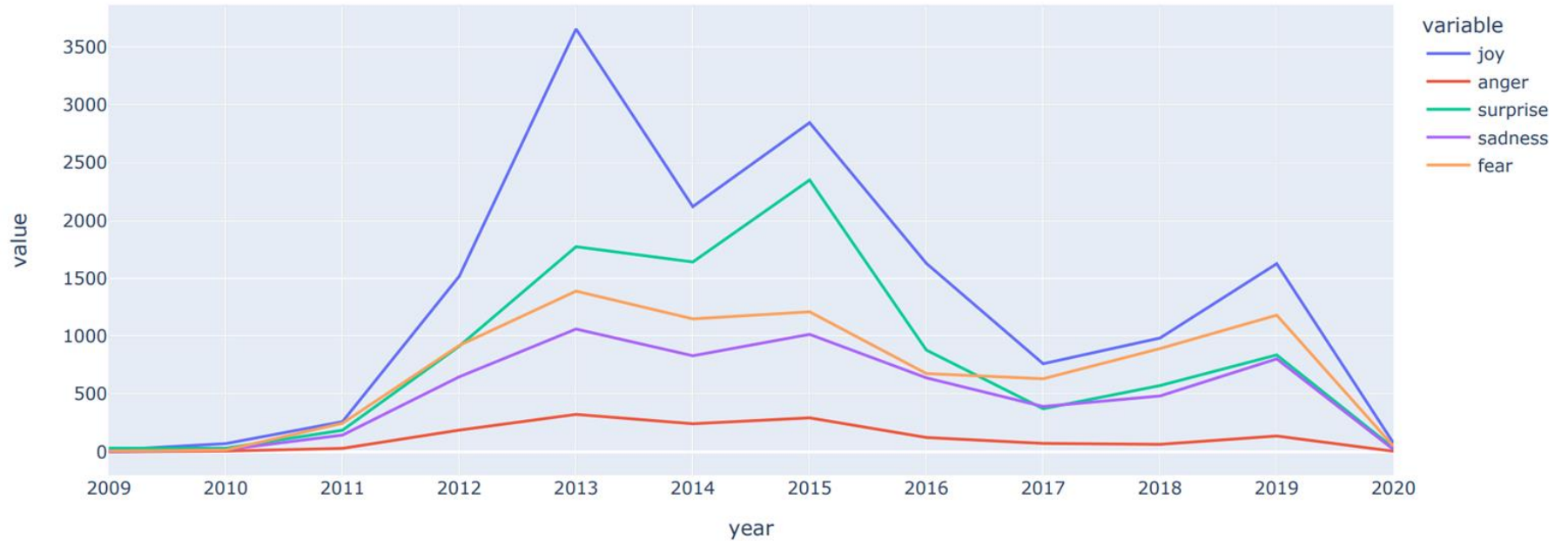
È stata creata una file csv che riepilogasse il numero di tweet, per ogni emozione, in un determinato anno

year	joy	anger	surprise	sadness	fear
2009	15	1	32	1	7
2010	71	7	31	18	16
2011	261	30	187	145	247
2012	1519	188	914	649	920
2013	3657	324	1774	1062	1390

# ***Emotional Analysis*** **Visualizzazione**



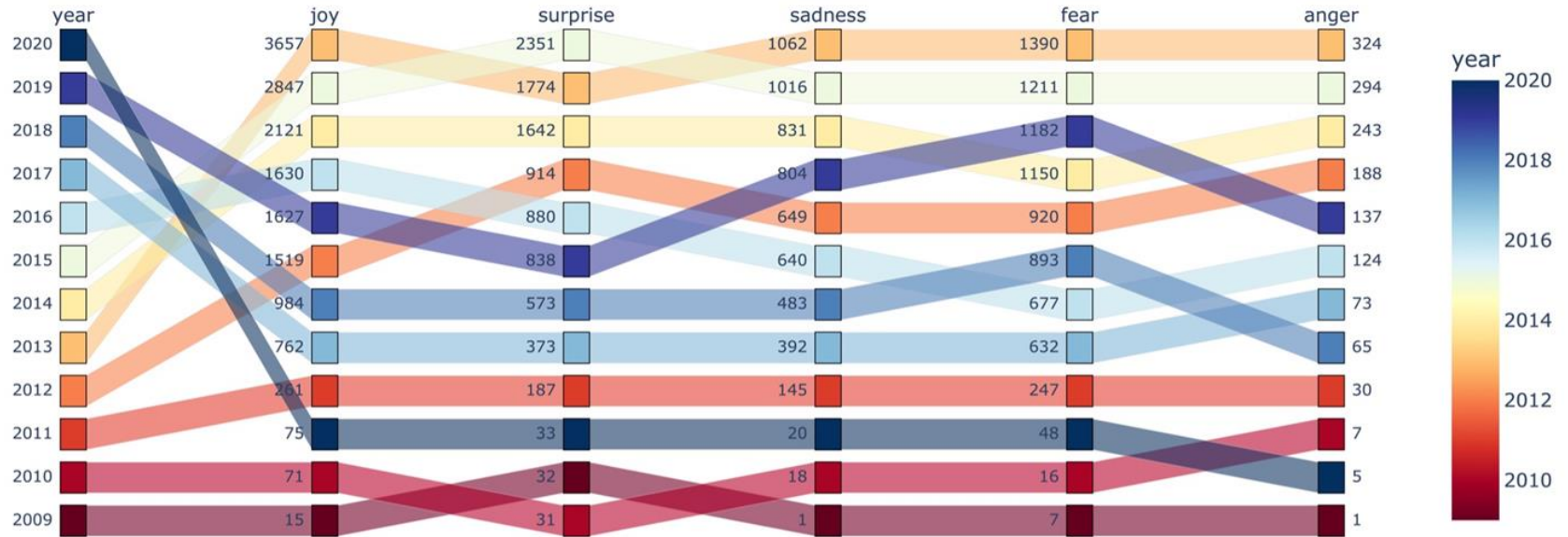
Emotions Over the Years



# Emotional Analysis

## Visualizzazione

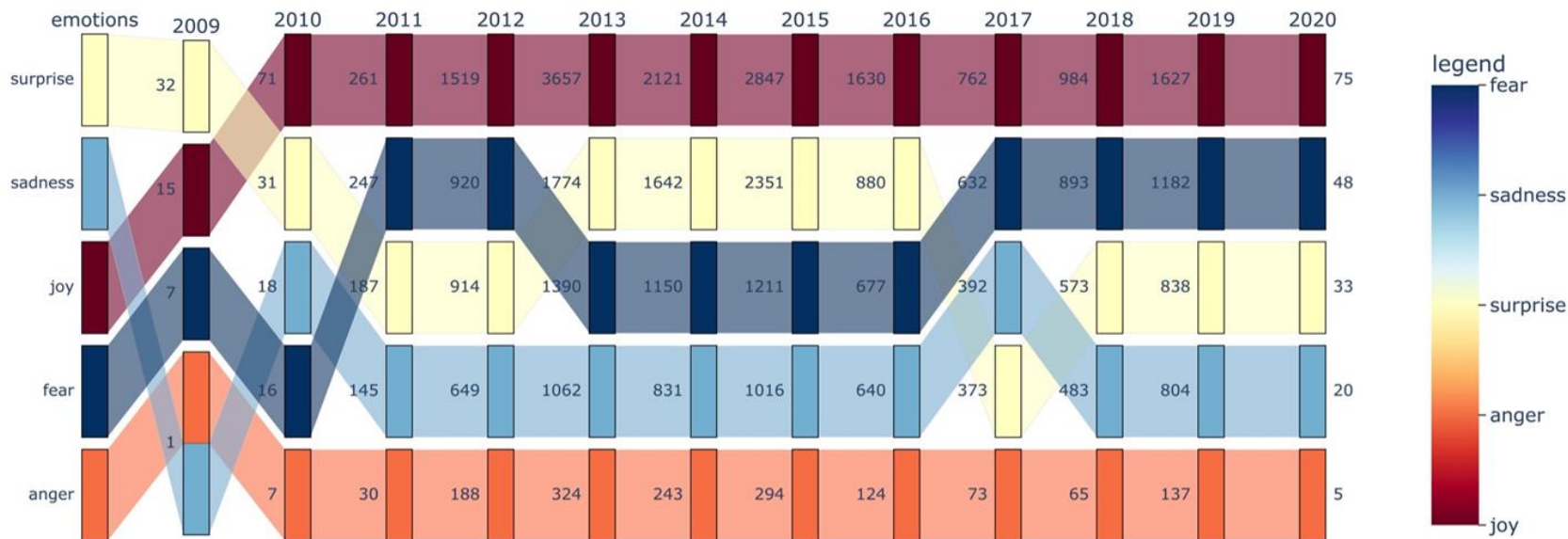
Andamento emozioni per anno





# ***Emotional Analysis*** **Visualizzazione**

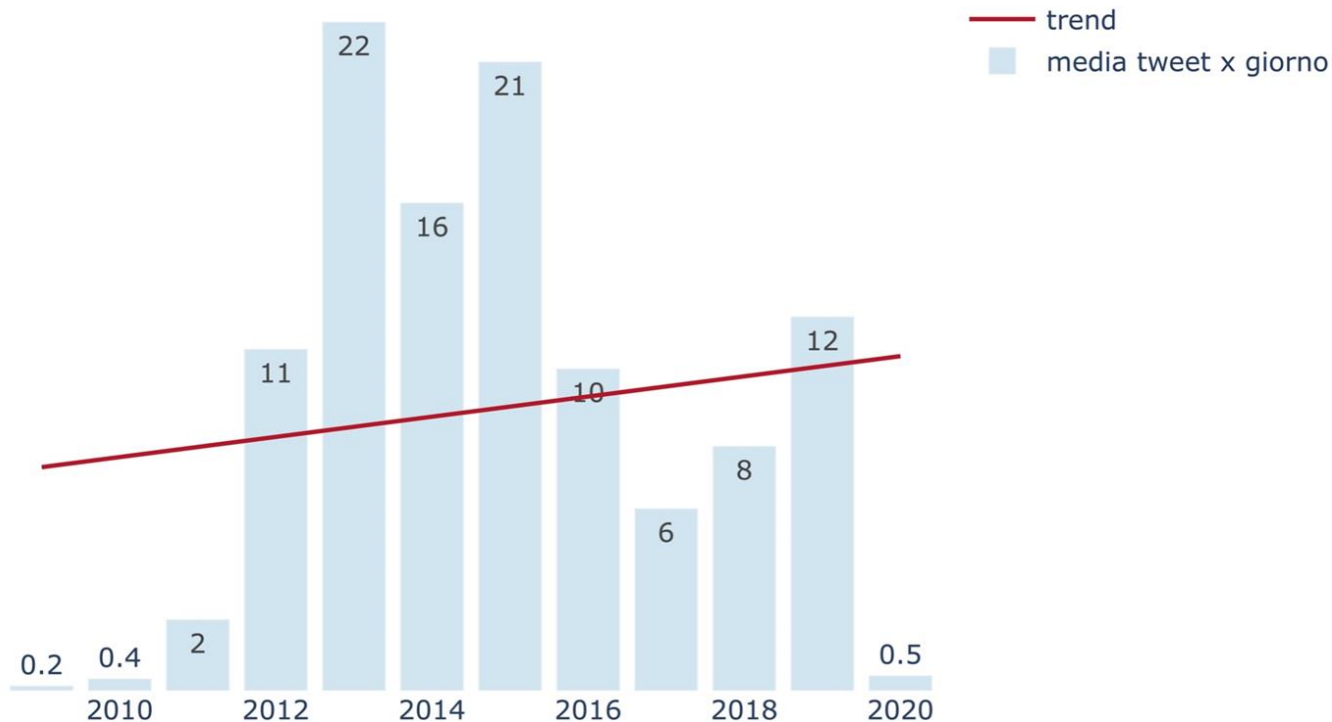
Andamento emozioni per anno







# Media giornaliera di tweet + trend



# Top 3 tweet più retwittati



	Testo	Anno	Retweets
1 🏆	#FraudNewsCNN #FNN pic.twitter.com/WYUnHjjUjg	2017	309.892
2 🏆	TODAY WE MAKE AMERICA GREAT AGAIN!	2016	295.817
3 🏆	Are you allowed to impeach a president for gross incompetence?	2014	246.232



**Donald J. Trump** ✓

@realDonaldTrump



#FraudNewsCNN #FNN

2:21 PM - Jul 2, 2017



140,032



364,476

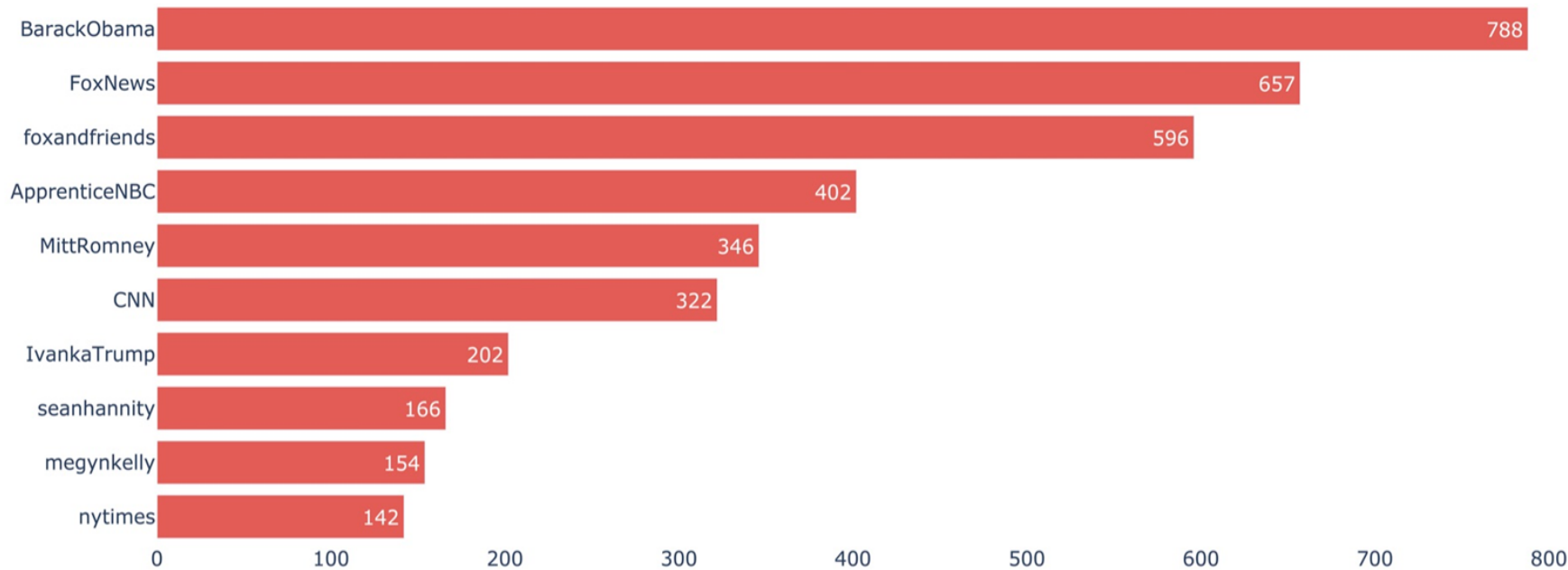


593,282

## Top 3 tweet più piaciuti

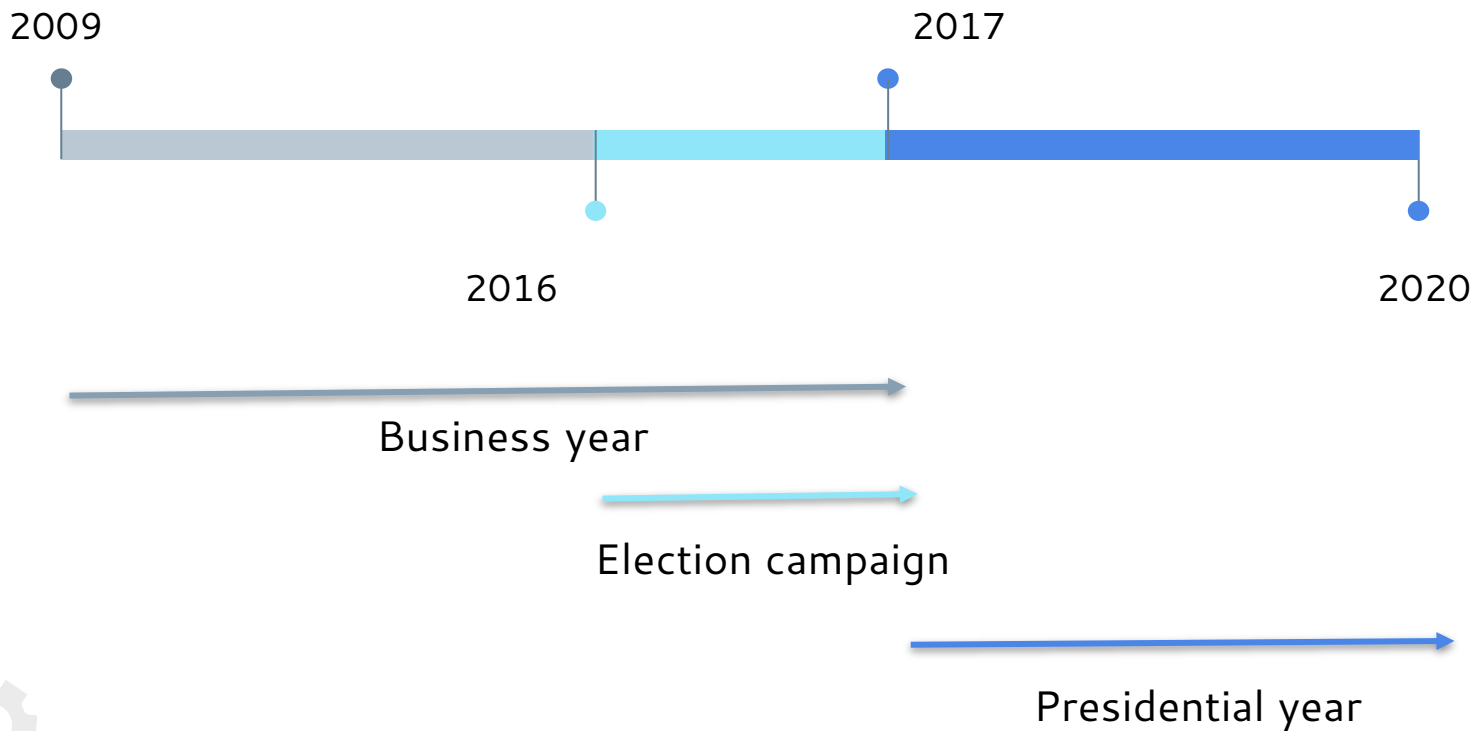
	Testo	Anno	Likes
1 🐦	A\$AP Rocky released from prison and on his way home to the United States from Sweden. It was a Rocky Week, get home ASAP A\$AP!	2019	857.678
2 🐦	<a href="https://pic.twitter.com/VXeKiVzpTf">pic.twitter.com/VXeKiVzpTf</a>	2020	812.508
3 🐦	All is well! Missiles launched from Iran at two military bases located in Iraq. Assessment of casualties & damages taking place now. So far, so good! We have the most powerful and well equipped military anywhere in the world, by far! I will be making a statement tomorrow morning.	2020	766.263

## Top 10 most mentioned accounts





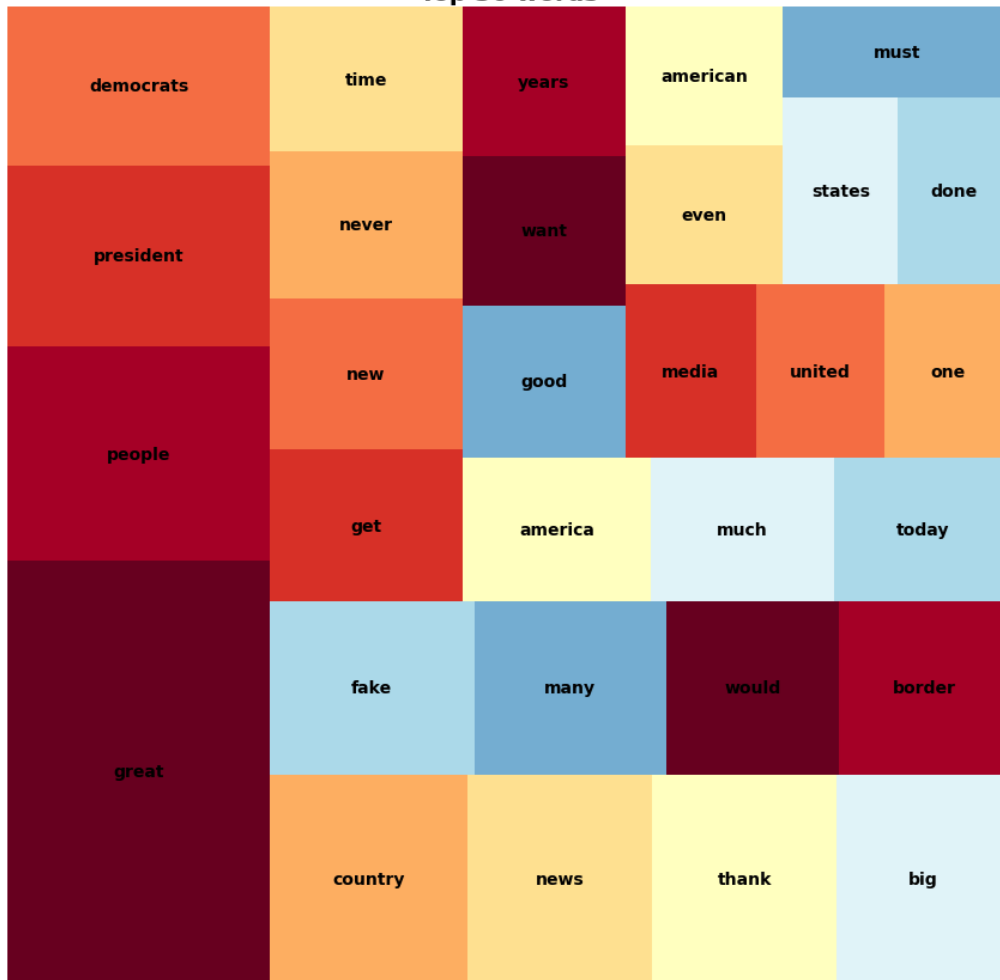
# **Le parole più usate da Trump negli anni**



# Le parole più usate business year

2009 - 2017

Top 30 words





# Le parole più usate - business year



Parole utilizzate nei tweet dal 2009 al 2017







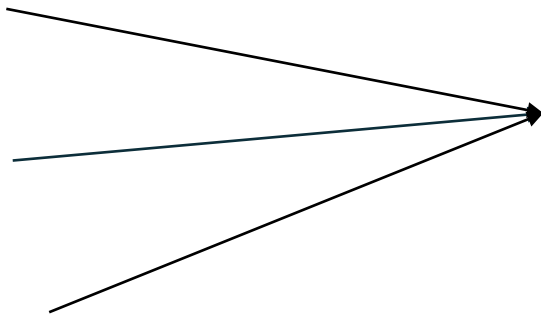
# **ZOOM sulle parole più usate - business year**



***GREAT***

***MAGA***

***AMERICA***

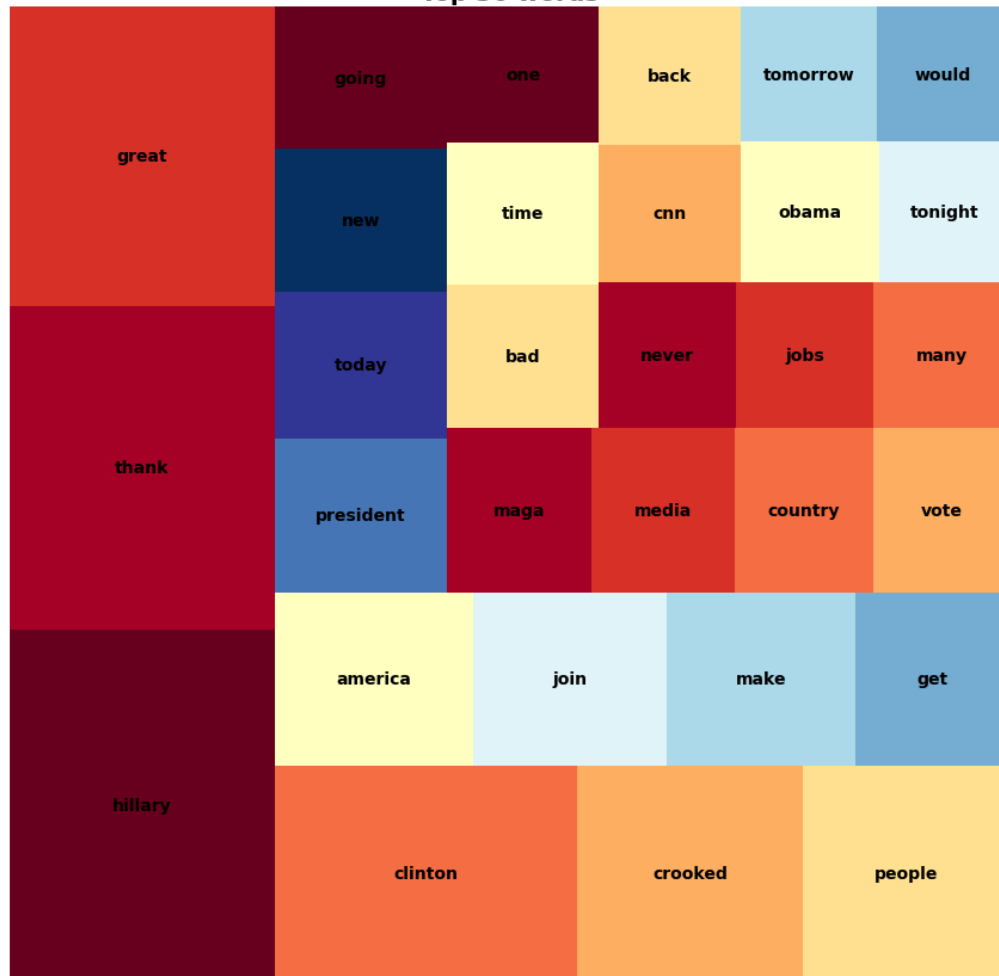


# Le parole più usate

## election campaign

2016- 2017

Top 30 words

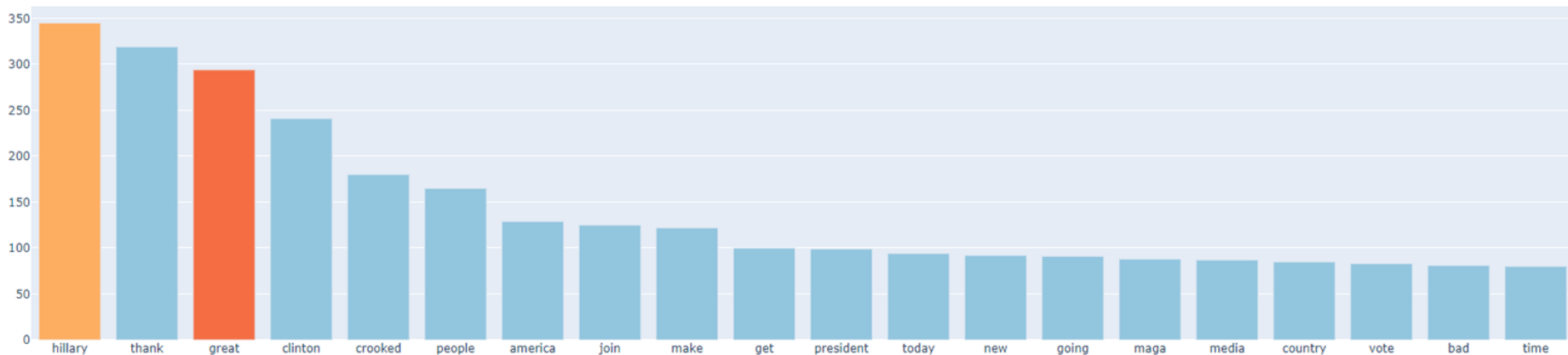




# Le parole più usate - election campaign



Parole utilizzate nei tweet dal Maggio 2016 al Gennaio 2017





Donald J. Trump @realDonaldTrump · 2h

Crooked Hillary - - Makes History!



4.4K



8.5K





**Donald J. Trump**   
@realDonaldTrump

Can you imagine if I had the small crowds that Hillary is drawing today in Pennsylvania. It would be a major media event! [@CNN](#) [@FoxNews](#)

00:28 AM • July 31, 2016 • [Twitter for iPhone](#)

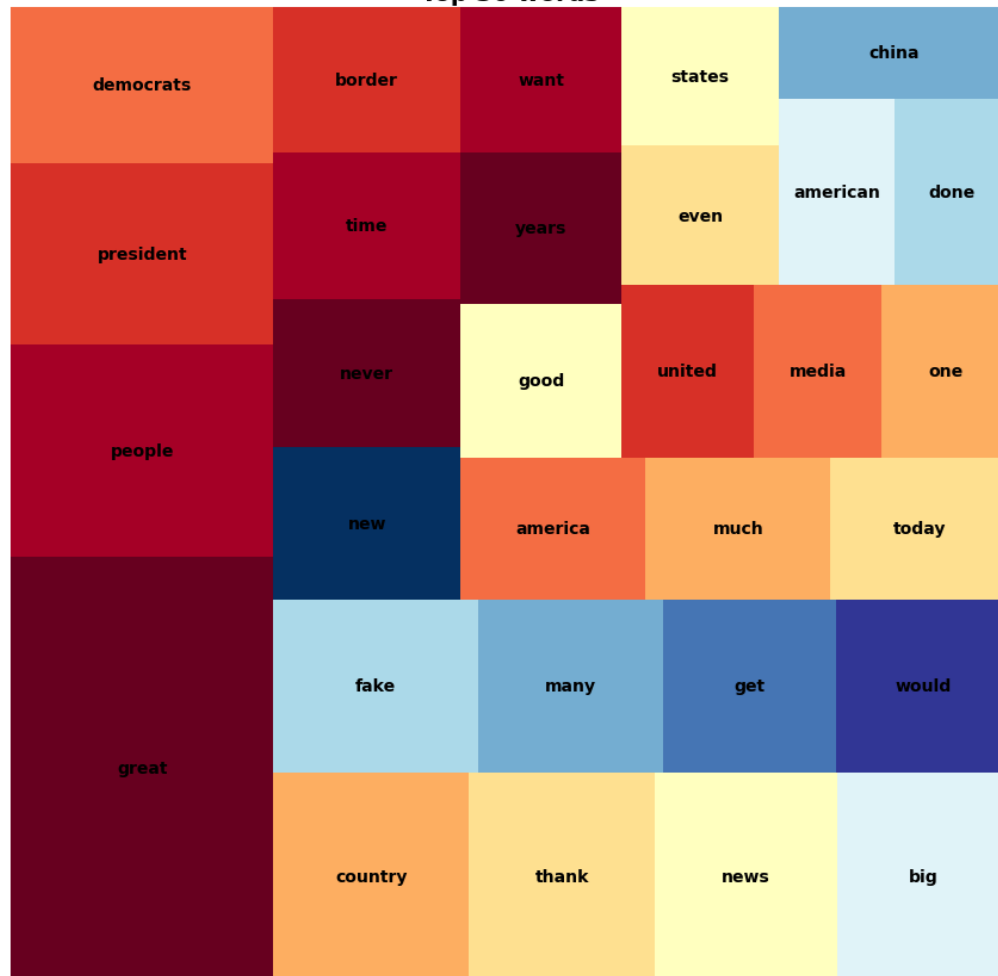


# Le parole più usate

## presidential year

2017- 2020

Top 30 words





# **Le parole più usate - presidential year**



Parole utilizzate nei tweet dal Gennaio 2017



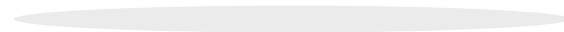
# Risorse

## *Articoli informativi*

- ***President Trump? I have 2013 on the line for you***
- ***Donald Trump vero Tweeter-in-Chief sulla rete***
- ***Fox News-Trump embrace***
- ***Crooked Hillary***



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*"That's all Folks!"*

