Zadanie 1 – analýza tweetov

Odovzdanie do 10.10.2021 23:59 - máte na to presne 2 týždne - dostanete za to 7,5 boda.

Prvé zadanie je zamerané na roztriedenie tweetov medzi rôzne konšpiračné teórie uvedené pod zadaním. Programovať môžete v hocijakom jazyku a váš zdroják sa odovzdáva to IS, no rovnako MUSÍ byť zavesený na vašom githube – v dokumente na začiatku uveďte vždy linku na projekt. Ak nebude GitHub, nebudú body. Okrem zdrojáku odovzdávate aj dokument kde budú screenshoty vašich výsledkov, výsledky ako text a grafy. Môžete napísať aj nejaké teplé slovko k tomu, nech sa pobavíme.

Vašou úlohou je teda:

- Importovať dataset do PostgreSQL 13+: https://drive.google.com/drive/folders/1_crPerzWU2Nzc4mR5k6xuGqbp0fJDvsY?us p=sharing
- 2. Vypočítať sentiment pomocou VADER lexikónu https://towardsdatascience.com/sentimental-analysis-using-vader-a3415fef7664 pre tweety, ktoré obsahujú nasledovné hashtagy: #DeepstateVirus #DeepStateVaccine #DeepStateFauci #QAnon #Agenda21 #CCPVirus #ClimateChangeHoax #GlobalWarmingHoax #ChinaLiedPeopleDied #SorosVirus #5GCoronavirus #MAGA #WWG1WGA #Chemtrails #flatEarth #MoonLandingHoax #moonhoax #illuminati #pizzaGatelsReal #PedoGatelsReal #911truth #911insidejob #reptilians Pri výpočte nezohľadňujte (ignorujte) emotikony ani hashtagy ani mentiony v texte.
- Roztriediť vyfiltrované tweety z predošlého zadania medzi konšpiračné teórie –
 spravte si na to novú tabuľku a mapovanie nech je jasné ktorý tweet patrí ktorej
 konšpiračnej teórii.
- 4. Vypočítajte pomer extrémnych a neutrálnych sentimentov tweetov pre konšpiračné teórie po týždňoch a zistite, či daná konšpiračná teória rastie alebo upadá v čase. Výstup vizualizujte v grafe. Rovnako uveďte aj absolútne čísla: tweet_count, tweet_extreme_count, tweet_neutral_count v tabuľke pre každý týždeň. Za extrém považujeme keď je compound väčší ako 0,5 alebo menší ako -0,5.
- Nájdite TOP10 account-ov ktoré sú najaktívnejšie v každej konšpiračnej teórii s extrémnym sentimentom a ukážte ich v tabuľke: id, name, screen_name a tweet_count.
- Nájdite TOP10 najčastejšie používaných hashtagov pre každú konšpiračnú teóriu z tweetov s extrémnym sentimentom, vypíšte aj počet.

V úvahu berte nasledovné konšpiračné teórie a ich hashtagy.

- 1. Dataset som importoval do databázy Postgres prostredníctvom Toolu Restore. Celkový restore databázy trval cca. 2500 sek.
- 2. Pri úlohe 2 som pracoval len s tweetmi obsahujúcimi hashtagy spomenuté v opise úlohy 2. Celkovo som veľkého množstva tweetov pracoval len s počtom 2152424, ktoré som získal prostredníctvom nasledovného query:

```
df = sqlio.read sql query("""SELECT DISTINCT(t.id), t.content FROM tweets as t
                         JOIN tweet_hashtags as th ON t.id=th.tweet_id
                         JOIN hashtags as h ON th.hashtag_id=h.id
                         WHERE h.value ILIKE any(array[
                             '%DeepstateVirus%',
                             '%DeepStateFauci%',
                             '%DeepStateVaccine%',
                             '%QAnon%',
                             '%Agenda21%',
                             '%CCPVirus%',
                             '%ClimateChangeHoax%',
                             '%GlobalWarmingHoax%',
                             '%ChinaLiedPeopleDied%',
                             '%5GCoronavirus%',
                             '%SorosVirus%',
                             '%MAGA%',
                             '%WWG1WGA%',
                             '%Chemtrails%',
                             '%flatEarth%',
                             '%MoonLandingHoax%',
                             '%moonhoax%',
                             '%911truth%',
                             '%911insidejob%',
                             '%illuminati%',
                             '%reptilians%',
                             '%pizzaGateIsReal%',
                             '%PedoGateIsReal%'
                         ])""", conn)
```

Successfully run. Total query runtime: 44 secs 854 msec. 2152424 rows affected.

Dáta som načítal do dataframu a následne prostredníctvom funkcie apply jednak odstránil emotikony, mentiony a hashtagy, následne som vypočítal sentiment zo stĺpca content a získané hodnoty vo forme dictionary vkladal do novo vytvorených stĺpcov neu, neg, pos a compound.

neu double precision	neg double precision	pos double precision	compound double precision
1	0	0	0
1	0	0	0
1	0	0	0
0.346	0	0.654	0.9073
0.777	0	0.223	0.3182
1	0	0	0
0.584	0.416	0	-0.2811
1	0	0	0
1	0	0	0
1	0	0	0
1	0	0	0
1	0	0	0

3. V tejto úlohe bolo potrebné vytvoriť many to many tabuľku reprezentujúcu vzťahy medzi tweetmi a konšpiračnými teóriami. V prvom rade som vytvoril tabuľku pre konšpiračné teórie, ktorá vyzerala nasledovne (obsahuje 14 teórii zo zadania)

4	id [PK] integer	value character varying (50)
1	1	Deepstate
2	2	Qanon
3	3	New World Order
4	4	The virus escaped from a Chinese lab
5	5	Global Warming is HOAX
6	6	COVID19 and microchipping
7	7	COVID19 is spreaded by 5G
8	8	Moon landing is fake
9	9	9/11 was an inside job
10	10	Pizzagate conspiracy theory
11	11	Chemtrails
12	12	FlatEarth
13	13	Illuminati
14	14	Reptilian conspiracy theory

Ďalej som vytvoril mapovaciu tabuľku s názvom tweet_conspiracies, ktorá obsahuje jednak id tweetu, ako id konšpiračnej teórie, ktorú tweet "obsahuje" (vyhodnotené na základe hashtagov". Pri matchovaní hashtagov som využíval formát ILIKE

%hashtag%, no dá sa predpokladať, že jeho využitím program vyzdvihne aj niekoľko false positives. Celé som to realizoval prostredníctvom jedného query:

```
CUT. execute("""INSERT INTO tweet_conspiracies(tweet_id, conspiracy_id)

SELECT DISTINCT sub.id, sub.conspiracy FROM (SELECT t.id, CASE

WHEN hash.value ILIKE '%deepstate%' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%Deepstate%')

WHEN hash.value ILIKE '%deepstate%' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%MMGIMGAX' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%Global warming*')

WHEN hash.value ILIKE '%COPVirus*' OR hash.value ILIKE '%ChinaLiedPeopleDied%' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%Chinase lab*')

WHEN hash.value ILIKE '%COPVirus*' OR hash.value ILIKE '%Global WarmingHoax*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%Global warming*')

WHEN hash.value ILIKE '%Sorosvirus*' OR hash.value ILIKE '%Global WarmingHoax*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%microchipping*')

WHEN hash.value ILIKE '%Soronavirus*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%microchipping*')

WHEN hash.value ILIKE '%gooronavirus*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%Moon landing*')

WHEN hash.value ILIKE '%microchipping*')

WHEN hash.value ILIKE '%microchipping*')

WHEN hash.value ILIKE '%pizzaGate*' OR hash.value ILIKE '%moonlandingHoax*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%pizzagate*')

WHEN hash.value ILIKE '%pizzagate*' OR hash.value ILIKE '%pedoGate*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%pizzagate*')

WHEN hash.value ILIKE '%iliminatis*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%pizzagate*')

WHEN hash.value ILIKE '%iliminatis*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%pizzagate*')

WHEN hash.value ILIKE '%iliminatis*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%pizzagate*')

WHEN hash.value ILIKE '%iliminatis*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%pizzagate*')

WHEN hash.value ILIKE '%iliminatis*' THEN (SELECT id FROM conspiracies WHERE value ILIKE '%pizzagate*')

WHEN hash.value ILIKE '%iliminatis*' THEN (SELECT id FROM conspiracies
```

Výsledná tabuľka tweet_conspiracies obsahuje celkovo 2236334 riadkov.

```
Successfully run. Total query runtime: 1 secs 315 msec. 2236334 rows affected.
```

To znamená, že až cca 75k tisíc tweetov pripadá viacerým ako 1 konšpiračnej teórii.

```
SELECT tweet_id, count(tweet_id) FROM tweet_conspiracies
GROUP BY tweet_id
HAVING count(tweet_id) > 1

Successfully run. Total query runtime: 2 secs 906 msec.
75279 rows affected.
```

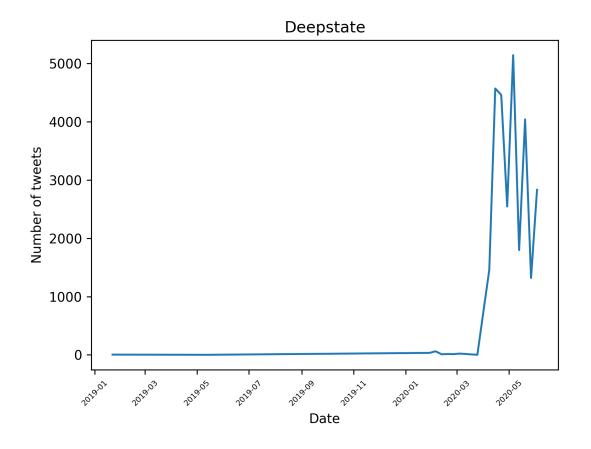
4. V štvrtej úlohe bolo potrebné vypočítať pomer extrémnych: neutrálnych tweetov v jednotlivých týždňoch pre jednotlivé konšpiračné teórie. Vytvoril som si novú tabuľku conspiracies_in_weeks, kde si ukladám údaje o týždni, roku, teórii (jej id), pomer extrémnych a neut. tweetov, počet všetkých tweetov, počet extrémnych tweetov a počet neutrálnych tweetov. Využil som query:

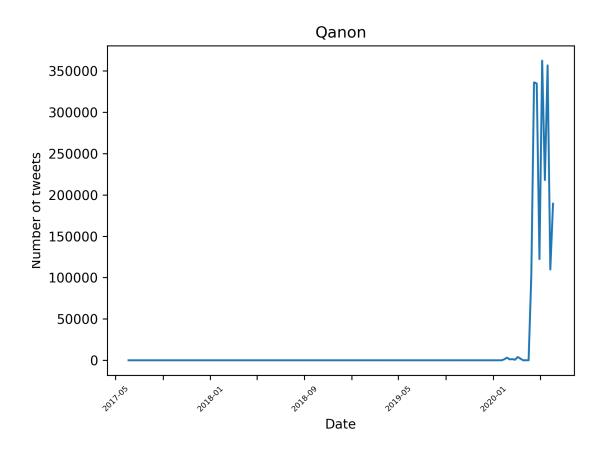
```
cur.execute(["""INSERT INTO conspiracies_in_weeks(week, year, conspiracy_id, tweet_ratio, tweet_count, tweet_extreme_count, tweet_neutral_count)
    SELECT date_week, date_year, conspiracy_id, CASE MHEN tweet_neutral_count = 0 THEN NULL ELSE CAST(tweet_extreme_count as float) / CAST(tweet_neutral_count as float)
    FROM (
    SELECT date_part('week', t.happened_at) date_week, date_part('year', t.happened_at) date_year, tc.conspiracy_id,
    count(") tweet_count, sum(CASE WHEN t.compound > 0.5 OR t.compound < -0.5 THEN 1 ELSE 0 END) tweet_extreme_count,
    sum(CASE WHEN t.compound < 0.5 AND t.compound > -0.5 THEN 1 ELSE 0 END) tweet_neutral_count
    FROM tweet_conspiracies as tc
    JOIN tweets as t on t.id = tc.tweet_id
    GROUP BY date_part('week', t.happened_at), date_part('year', t.happened_at), tc.conspiracy_id
    ORDER BY date_part('year', t.happened_at) asc, date_part('week', t.happened_at) asc) as sub;
    """
}
```

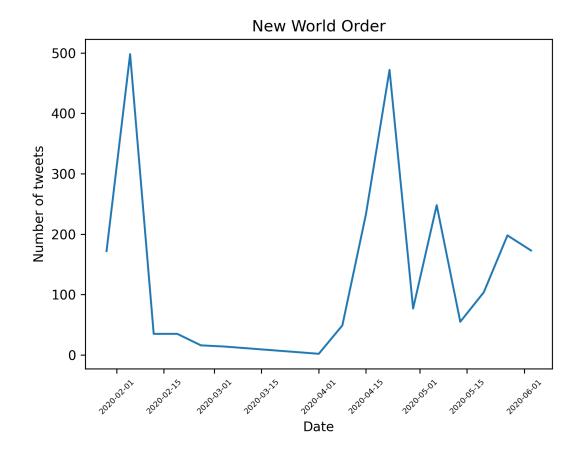
Celkovo má táto nová tabuľka 258 riadkov.

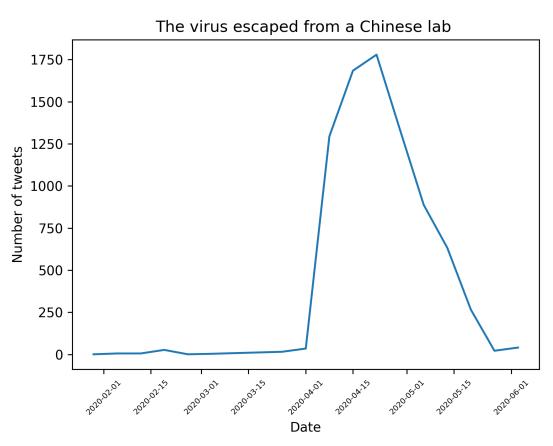
```
Successfully run. Total query runtime: 70 msec. 258 rows affected.
```

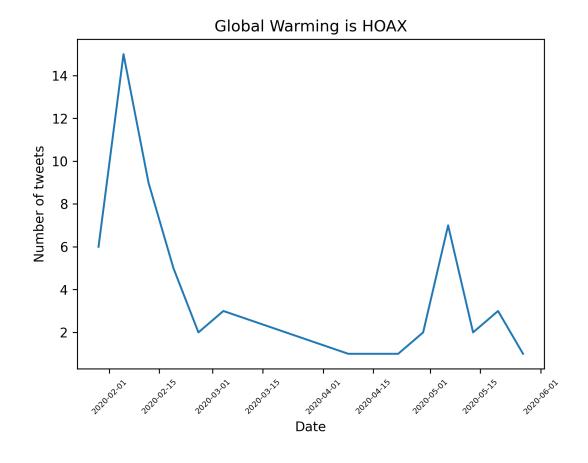
Na základe tejto tabuľky som nasledovne vytvoril grafy, v ktorých som na základe týždňa a roku (konvertovaných na date) vizualizoval počet tweetov (column tweet_count) - tým pádom je možné pekne vidieť pohyb frekvencie tweetov v čase a ich upadajúca, resp. rastúca tendencia. Pre každú konšpiračnú teóriu bol vytvorený jeden graf s využitím knižníc seaborn a matplotlib.

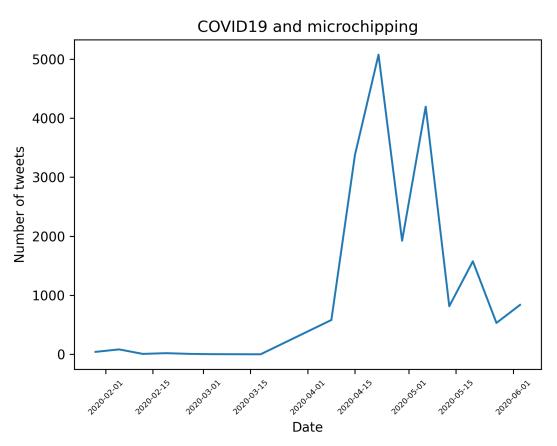


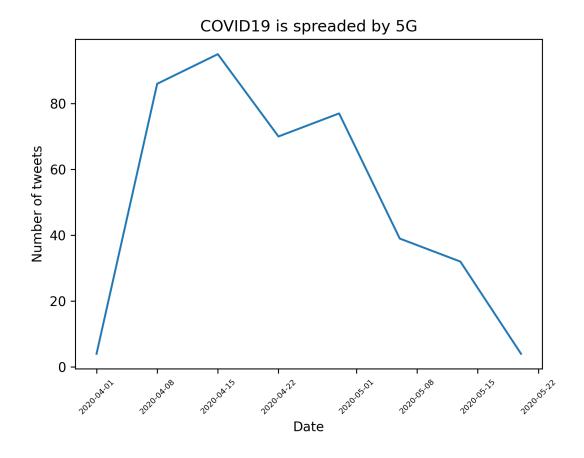


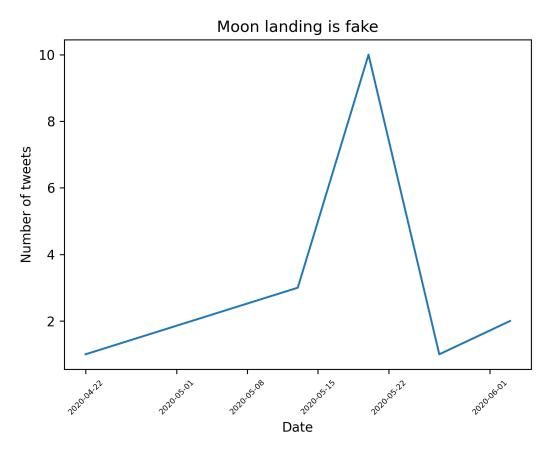


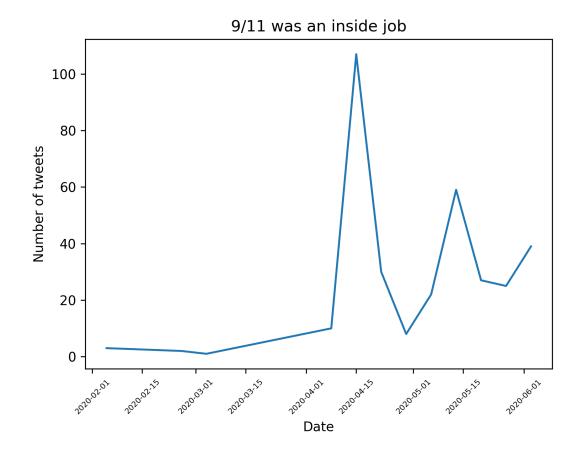


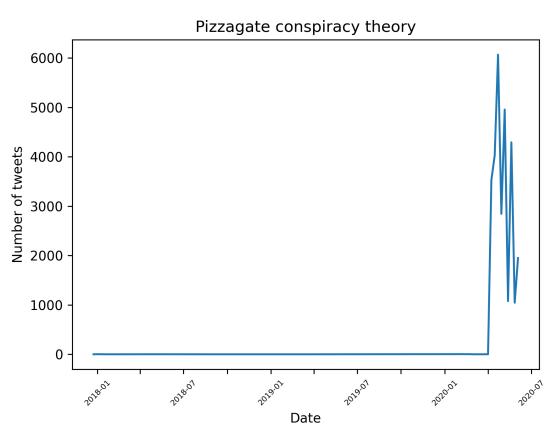


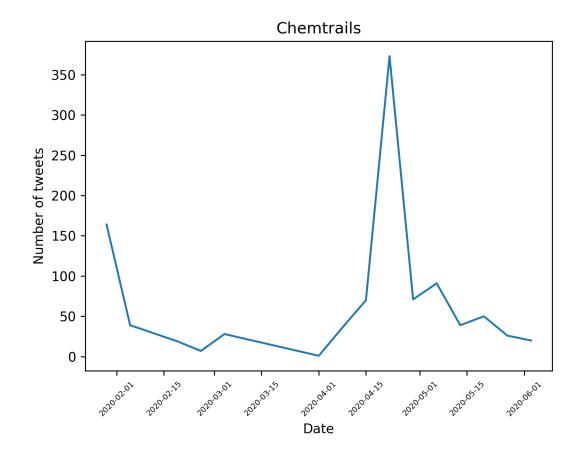


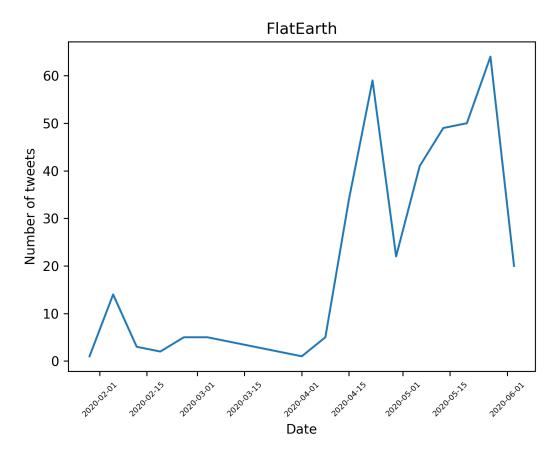


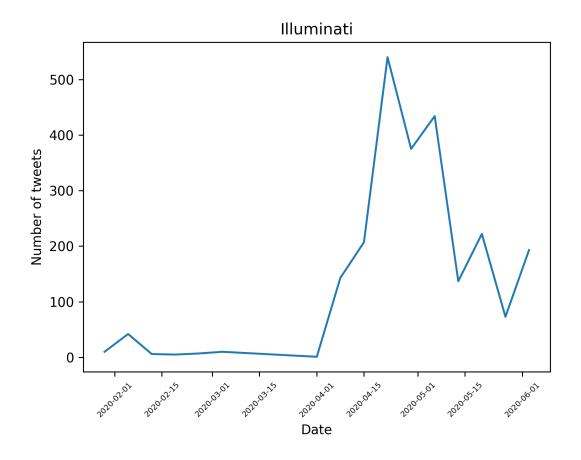


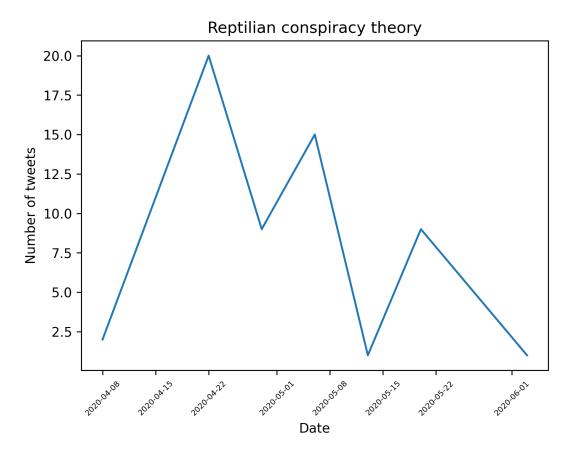












5. V tejto úlohe bolo potrebné získať top 10 účtov pre každú teóriu, ktoré najaktívnejšie písali tweety s extrémnym sentimentom.

Získané výsledky boli nasledujúce:

(onsp:	iracy Theory: Deepstate	·			
į		id	name	screen_name	conspiracy	tweet_count
l	0	846210311631851520	MyStyle ★★usus	mystylehfb	Deeps tate	395
	1	488615658	Manuela Forster	manuelaforster	Deepstate	107
ĺ	2	3349327545	nahier binich	nahierbinich	Deepstate	69
ĺ	3	1245020464776388614	LightXQ-17 DE / Awakening★★★★ Erwachen	light_xq	Deepstate	48
ĺ	4	426132371	John Pate	JohnPate1	Deepstate	42
-	5	1001560210769670150	TWITMO INMATE ★★★	TWITMO_INMATE	Deepstate	36
	6	37161198	Moloch Huntress, M.S. 🍀 😘 🖰	bocake	Deepstate	32
ĺ	7	2769954301	Olivia Stella	TheOliviaStella	Deepstate	27
ĺ	8	777146094098800642	That's my love style	mylovingstyle	Deepstate	26
ĺ	9	1180638921946025985	giobandnere	giobandnere	Deepstate	25
+		·		·	·	·+

Consp	iracy Theory: Qanon				
	id	name	screen_name	conspiracy	tweet_count
0	1245020464776388614	LightXQ-17 de / Awakening★★★★ Erwachen	light_xq	Qanon	1392
1	1054442588227350528	Qanon ��� Palmdale★★★★	QanonPalmdale	Qanon	1107
2	1234703605409734658	Americansonofliberty	Americansonofl1	Qanon	942
3	3892584794	Howard McLain Jr	howardmclainjr	Qanon	687
4	27945987	paula johnson	paulamjohns	Qanon	663
5	214266498	Totally America	Totally_America	Qanon	610
6	733793368673792005	PEACHY	mycatiscato	Qanon	590
7	1146088458580049922	ONN	ONN53105203	Qanon	588
8	294376673	Lilia Ponce Favinger	xmsangelicax	Qanon	586
9	1208542233961451520	Bhayes61	Bhayes612	Qanon	575
+	+	·	+	·	+

Consp	iracy Theory: New World	d Order	.	.	·
į	id	name	screen_name	conspiracy	tweet_count
0	+ 3003720760	 Martin Noakes	+ Marndin12	+ New World Order	195
1	309142761	BelgintrKocak	belgin_kocak	New World Order	15
2	1539288888	Rosa Koire	RosaKoire	New World Order	11
3	1128911862882557957	PatrioticPopTart	PatrioticPop	New World Order	9
4	945775983122092032	Think free	thinkfree55	New World Order	4
5	790678418362884096	PENNY L.A. SHEPARD	shepardout	New World Order	3
6	967448588426018817	McShepard-SG1	JobsRabbitsFoot	New World Order	3
7	175981142	brandie	wikkedengel	New World Order	3
8	59175457	Konspiracy Kitty	Konspiracy_Cat	New World Order	3
9	2241288482	SuicideSeattle	SuicideSeattle	New World Order	3
+	+	·	+	+	

Conspiracy Theory: The viru	s escaped from a Chinese lab			
id	name	screen_name	conspiracy	+ tweet_count
0 29097819 1 2313027666 2 4709748796 3 1232414456589756272 4 1060573081935249409 5 1339488762 6 946698502171750401 7 1162010420745342976 8 1205231350833438720 9 302152200	The Epoch Times Jennifer Zeng 曾錚 Richard L Champion China in Focus - NTD NTD News Solomon Yue Tibetans Full Moon全 UNN-China The Epoch Times - China Insider	EpochTimes jenniferatntd Ricardochampio ChinaInFocusNTD news_ntd SolomonYue TibetPeople FullMoonNoStar UNNTV1 EpochTimesChina	The virus escaped from a Chinese lab	64 50 50 48 44 38 29 27 26 25 24
Conspiracy Theory: Global W	arming is HOAX			
id	name	sc	reen_name conspiracy	tweet_count
0 309142761 1 109987086 2 1547077915 3 1958949638 4 2788752356 5 2839745937 6 3417019655 7 786351534200135681 8 836721050008313857 9 895590626867068929	BelgintrkOcak Steve Mac Donald Resolute CK SebT Name Can't be blank Ø Paul us Mondo Lopez Brexit London Au Mike Spike XXFollow in #Parler	nh jt et Se Kk OG mo Br	lgin_kocak Glo bal Warming is HOAX stevemacd Global Warming is HOAX groleau Global Warming is HOAX castitate Global Warming is HOAX bT_Media Global Warming is HOAX aiserr Global Warming is HOAX paulstone1 Glo bal Warming is HOAX ndolope22 Global Warming is HOAX exittondon Global Warming is HOAX exittondon Global Warming is HOAX	1 1 1 1 1 1 1 1 1 1
C	-d:			
Conspiracy Theory: COVID19 a	nd microcnipping 	 		
	d name 12 Ryan Alex 17 TheCable 14 Odewale Abayomi 19 Evan Kirstel #RemoteWork 19 Evan Kirstel #RemoteWork 10 Malek Akan	alexjame Americar rwachen light_ JugofPis Iosefina woodrail	ight10 COVID19 and microchipping 12 COVID19 and microchipping 13 COVID19 and microchipping 14 COVID19 and microchipping 15 COVID19 and microchipping 16 COVID19 and microchipping 16 COVID19 and microchipping 17 COVID19 and microchipping 18 COVID19 and microchipping 19 COVID19 and microchipping 10 COVID19 and microchipping 11 COVID19 and microchipping 12 COVID19 and microchipping 13 COVID19 and microchipping 14 COVID19 and microchipping 15 COVID19 and microchipping 16 COVID19 and microchipping 17 COVID19 and microchipping 18 COVID19 and microchipping 19 COVID19 and microchipping 10 COVID19 and microchipping 11 COVID19 and microchipping 12 COVID19 and microchipping 13 COVID19 and microchipping 14 COVID19 and microchipping 16 COVID19 and microchipping 17 COVID19 and microchipping 18 COVID19 and microchippin	16 14 13 13 12
Conspiracy Theory: Moon landing	26 have2eyes 16 Dr Kemi Olunloyo	HumandignityPu KemiOlunloyo conspiracy Moon landing is fake	G COVID19 is spreaded by 5G COVID19 is spreaded by 5G tweet_count tweet_count i 6 1 1 warriorofwoke Moon landing is face 1 1 1	1 1

Conspir	acy Theory: 9/11 was a	an inside	job						
	t id	name		screen_ı	- name	conspirac	ı y	tweet_count	-+ :
+- 0 1 2 3 4 5 6 7 8 9	917113072203964416 55905770 1229622899163762688 49422297 80310716 89123301 74086226 214764564 215392562 141941027	Miriam Se Mark Scha Leather-S Preston M UsMaryusk Own Wave esnov3 subversion	effer hop.Biz lacDougall iilcox��� ***** *** nart	mimiselm MarkSch RONKSL Chemica	97386981 	9/11 was 9/11 was 9/11 was 9/11 was 6 9/1 9/11 was 9/11 was 9/11 was	was an in side an inside job an inside job an inside job an inside job 1 was an an inside job	: job 2 2 1 1 inside job 1 1	:
Conspira	acy Theory: Pizzagate co	nspiracy t	heory						
<u> </u>	id na	ame			+ screen_na	 	onspiracy	- t	tweet_count
1 1 1 1 2 1 1 1 1 1	1228061447428726812	lghtXQ-17 b IG1WGA ★★↑ IDSYS. I ha livia Stell	uck E ★★★ ess, M.S. ������ E / Awakening★★★ Erwachen k ve but one life to lose for my a		mystylehf TheRubber giobandne TWITMO_IN bocake light_xq chente247 rmdsys2 TheOlivia mylovings	Duck78 P re P MATE P P Stella P	Pizzagate conspir- izzagate conspir- izzagate conspir- Pizzagate conspir- Pizzagate conspir- izzagate conspir- izzagate conspir- izzagate conspir- izzagate conspir- izzagate conspir-	acy theory acy theory acy theory iracy theory oiracy theory acy theory acy theory acy theory acy theory acy theory	321 80 52 36 33 32 30 27 26 25
Conspir	racy Theory: Chemtra	ils							
+	id	-+ name		-+ scree	n_name	+ conspir	 racy twe	- et_count	
+ 0 1 2 3 4 5 6 7 8	45151571 1246324956834791426 3003720766 2324451614 1259550139120783360 932399982296031232 294376673 85605181 114770420 26496859	5 Inroka 6 Inroka 7 Martin 8 Phroya 8 Awaken 8 Operat 8 Lilia 8 {The F	38 66××××××®660 0s n Noakes i n BiH	Marno Phroy Awake Omert xmsan thepr	omm i lin12 rdsWorld enBih	+	Chemtra ails	 8 ils 4 3 3 2 2	6
++		-+		-+		+		+	
Consp	iracy Theory: Fl	latEarth	1						
 -	+	id	name		reen_nar	ne	+ conspirac	 y twe	eet_count
0	9858988183309	939392	Sir Vick's Crusader	's We	enieLin	guini	FlatEarth	i	13
1	12583532762583		Karen's Neighbor		sterEar		FlatEarth		12
2		361906	New Atlantis		T_Seatt		FlatEarth		2
3	9524362317317	/36578 169308	Мэри Джейн Сестра Gary Pearson		beyBlack freshed2		FlatEarth FlatEarth		2 2
4	7337933686737	:	PEACHY		catiscat		Flacearch FlatEarth		2 2
6		213676	Derek		LOT		FlatEarth		1
7		190348	Daniel		imescene	evegas	FlatEarth		1
8		736548	Lukas Rivola		kasRivo]		FlatEarth		1
j 9	803	310716	Preston MacDougall	Ch	emicalEy	yeGuy	FlatEarth	I	1
+	+			+			+	+	+

C	Conspiracy Theory: Illuminati							
į	į	id	name	screen_name	conspiracy	tweet_count	į	
ľ	0	217733626	DoctorWoo	signs_by_post	Illuminati	27	ļ	
П	1	1244345830431232003	AnnMarie	AnnMari42735458	Illuminati	24	l	
Т	2	846210311631851520	MyStyle ★★usus	mystylehfb	Illuminati	l	19	
Т	3	45151571	Doug Brooks	Hoosier84	Illuminati	9	l I	
Т	4	1128911862882557957	PatrioticPopTart	PatrioticPop	Illuminati	9	l l	
Ť	5	1220237433096343552	messenger	jeremia55670764	Illuminati	6	İ	
Т	6	27945987	paula johnson	paulamjohns	Illuminati	5	l l	
Ť	7	1252652225362616322	EXPOSELOOMER	EXPOSELOOMER	Illuminati	4	İ	
Ī	8	985898818330939392	Sir Vick's Crusaders	WeenieLinguini	Illuminati	4	I	
Ī	9	981299771905331200	Beth	ТВЈ00	Illuminati	3	I	
+	1	·	·	+	·	·	+	

Conspi	Conspiracy Theory: Reptilian conspiracy theory							
į	id	name	screen_name	conspiracy	tweet_count			
0	800393642921771009	SciFiNovelHPS	SciFiNovelHPS	Reptilian conspiracy theory	12			
1	97650874	Sara Jones	SaraBoschiJones	Reptilian conspiracy theory	1			
2	187049457	<mark>∵</mark> Mandy ∢⇔	TutsNY	Reptilian conspiracy theory	1			
3	324507238	ॡ Red Ace 202us (K) <mark>▼人人</mark>	RedAce66517	Reptilian conspiracy theory	1			
4	484272053	K	Kleer2go	Reptilian conspiracy theory	1			
5	1066477260	NNGEL DE PAZ	Inevitable1111	Reptilian conspiracy theory	1			
6	987780156843585536	Roaring Brain	BrainRoaring	Reptilian conspiracy theory	1			
7	996970500009091072	DeeDrea	DeeDreaHamilton	Reptilian conspiracy theory	1			
8	1185860681335074818	snackkotone2020	odeco5goddess	Reptilian conspiracy theory	1			
9	1205512980126949376	Olimpia★★★TEXT TRUMP TO 88022	MihaEll88540372	Reptilian conspiracy theory	1			
+	·	·	+	+	+			

6. V tejto úlohe bolo potrebné získať top 10 hashtagov pre každú teóriu, ktoré sa najčastejšie vyskytovali v tweetoch s extrémnym sentimentom.

Získané výsledky boli nasledujúce:

	id	value	conspiracy	usage_count
0	20506	QAnon	Deepstate	5306
1	7850	DeepState	Deepstate	4841
2	25089	WWG1WGA	Deepstate	3361
3	82851	TheGreatAwakening	Deepstate	1723
4	77112	Qanon	Deepstate	1677
5	196303	TheStorm	Deepstate	849
6	25091	qanon	Deepstate	811
7	18288	Q	Deepstate	771
8	829009	Pedogate	Deepstate	764
9	386819	DrainTheSwamp	Deepstate	717

Co	Conspiracy Theory: Qanon							
+-	tttt							
Т		id	value	conspiracy	usage_count			
Í-	+			+	+			
Ĺ	0	20506	QAnon	Qanon	427352			
	1	25089	WWG1WGA	Qanon	200745			
	2	77112	Qanon	Qanon	127478			
Т	3	14415	MAGA	Qanon	69807			
	4	25091	qanon	Qanon	64626			
	5	27195	QANON	Qanon	57481			
	6	91	Trump	Qanon	45391			
	7	197	KAG	Qanon	37117			
	8	82851	TheGreatAwakening	Qanon	36045			
	9	259500	WWG1WGAWORLDWIDE	Qanon	34086			
+-	+			+	·+			

Conspi	Conspiracy Theory: New World Order						
i i	id	value	conspiracy	usage_count			
0	:	Agenda21	New World Order	429			
1	12	coronavirus	New World Order	263			
2	20506	QAnon	New World Order	228			
3	111971	agenda21	New World Order	220			
4	198578	agenda2030	New World Order	187			
5	66444	NMO	New World Order	133			
6	206543	Covid19	New World Order	90			
7	19002	BillGates	New World Order	84			
8	363281	AGENDA21	New World Order	82			
j 9 j	2298	CORONAVIRUS	New World Order	79			
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Conspiracy Theory: The virus escaped from a Chinese lab					
	id	value	conspiracy	usage_count	
0	3073063	CCPVirus	The virus escaped from a Chinese lab	1310	
1	5112446	ChinaLiedPeopleDied	The virus escaped from a Chinese lab	988	
2	8	China	The virus escaped from a Chinese lab	346	
3	20506	QAnon	The virus escaped from a Chinese lab	282	
4	206162	COVID19	The virus escaped from a Chinese lab	268	
5	752	CCP	The virus escaped from a Chinese lab	256	
6	12	coronavirus	The virus escaped from a Chinese lab	239	
7	561	ChinaVirus	The virus escaped from a Chinese lab	185	
8	22560	ChineseVirus	The virus escaped from a Chinese lab	178	
9	2	WuhanVirus	The virus escaped from a Chinese lab	173	
+	+	 	·	·	

Conspiracy Theory: Global Warming is HOAX					
	id	value	conspiracy	usage_count	
0	159068	ClimateChangeHoax	Global Warming is HOAX	17	
1	12	coronavirus	Global Warming is HOAX	10	
2	66445	Agenda21	Global Warming is HOAX	6	
3	25089	WWG1WGA	Global Warming is HOAX	4	
4	4685	ClimateChange	Global Warming is HOAX	3	
5	77112	Qanon	Global Warming is HOAX	3	
6	25651	FakeNews	Global Warming is HOAX	2	
7	20506	QAnon	Global Warming is HOAX	2	
8	134998	TurkeyEarthquake	Global Warming is HOAX	2	
j 9 j	259500	WWG1WGAWORLDWIDE	Global Warming is HOAX	2	
+	 	+	++-	+	

Cons	Conspiracy Theory: COVID19 and microchipping					
İ	į	id	value	conspiracy	usage_count	
	3	20506	QAnon	COVID19 and microchipping	2709	
:	ι	19002	BillGates	COVID19 and microchipping	2415	
:	2	25089	WWG1WGA	COVID19 and microchipping	1933	
:	3	77112	Qanon	COVID19 and microchipping	1162	
4	4	25091	qanon	COVID19 and microchipping	1110	
-	5 j	206162	COVID19	COVID19 and microchipping	1018	
j (5 j	65469	billgates	COVID19 and microchipping	956	
j :	7 İ	25090	q	COVID19 and microchipping	859	
Ĭ :	зj	947443	greatawakening	COVID19 and microchipping	757	
Ţ :	϶į	18286	GreatAwakeningWorldwide	COVID19 and microchipping	726	
+	+			· · · · · · · · · · · · · · · · · · ·	·	

Conspi	Conspiracy Theory: COVID19 is spreaded by 5G				
+	 •• ••		 	+	
-	10	value	conspiracy	usage_count	
1 0	15557430	5GCoronavirus	COVID19 is spreaded by 5G	90	
	:	:		!	
1	206162	COVID19	COVID19 is spreaded by 5G	25	
2	33793	5G	COVID19 is spreaded by 5G	21	
3	20506	QAnon	COVID19 is spreaded by 5G	19	
4	12	coronavirus	COVID19 is spreaded by 5G	18	
5	25091	qanon	COVID19 is spreaded by 5G	9	
6	66445	Agenda21	COVID19 is spreaded by 5G	9	
7	212503	COVID-19	COVID19 is spreaded by 5G	7	
8	25089	WWG1WGA	COVID19 is spreaded by 5G	7	
9	206379	Covid_19	COVID19 is spreaded by 5G	7	
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Co	Conspiracy Theory: Moon landing is fake					
+-	-	id	value	 conspiracy	usage_count	
 -	ا 4					
İ	0	20506	QAnon	Moon landing is fake	17	
	1	9521977	spaceisfake	Moon landing is fake	11	
	2	18587371	moonhoax	Moon landing is fake	11	
1	3	246962	NASA	Moon landing is fake	11	
	4	488582	ObamaGate	Moon landing is fake	11	
1	5	16610208	researchflatearth	Moon landing is fake	11	
	6	7808023	UraniumOne	Moon landing is fake	6	
1	7	15829840	sethrich	Moon landing is fake	6	
	8	16431890	Truther	Moon landing is fake	6	
	9	19604351	MoonLandingHoax	Moon landing is fake	6	
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Co	Conspiracy Theory: 9/11 was an inside job					
Ī		id i	value	conspiracy	usage_count	
-	0	 20506	QAnon	 9/11 was an inside job	40	
li	1	25089	WWG1WGA	9/11 was an inside job	26	
İ	2	2525313	911Truth	9/11 was an inside job	24	
	3	82851	TheGreatAwakening	9/11 was an inside job	16	
	4	15604895	WTC7	9/11 was an inside job	16	
	5	15291661	QAnonGermany	9/11 was an inside job	14	
	6	18287	WWG1WGA_WORLDWIDE	9/11 was an inside job	14	
	7	77112	Qanon	9/11 was an inside job	14	
	8	15323268	911	9/11 was an inside job	7	
1	9	20105524	NeverForget911	9/11 was an inside job	6	
+-		 	·	 	·+	

Conspi	Conspiracy Theory: Pizzagate conspiracy theory					
	id	value	conspiracy	usage_count		
0	20506	QAnon	Pizzagate conspiracy theory	6299		
1	25089 3137895	WWG1WGA PizzaGate	Pizzagate conspiracy theory Pizzagate conspiracy theory	2424		
3	315901 2768911	GreatAwakening PedoGate	Pizzagate conspiracy theory Pizzagate conspiracy theory	2161 2151		
5 6	82851 369824	TheGreatAwakening pizzagate	Pizzagate conspiracy theory Pizzagate conspiracy theory	1830 1821		
7 8	1816649 25091	Adrenochrome ganon	Pizzagate conspiracy theory Pizzagate conspiracy theory	1770 1752		
9		MissingChildren	Pizzagate conspiracy theory			

Co	Conspiracy Theory: Chemtrails					
į	į	id	value	conspiracy	usage_count	
ľ	0	33792	chemtrails	Chemtrails	154	
	1	20506	QAnon	Chemtrails	111	
	2	77112	Qanon	Chemtrails	57	
	3	33793	5G	Chemtrails	56	
	4	25089	WWG1WGA	Chemtrails	55	
П	5	19002	BillGates	Chemtrails	47	
Ĺ	6	66444	NWO	Chemtrails	44	
Ĺ	7	149294	Chemtrails	Chemtrails	44	
П	8	82851	TheGreatAwakening	Chemtrails	36	
1	9	33796	HAARP	Chemtrails	27	
+-	4			+	+	

Conspi	Conspiracy Theory: FlatEarth					
	id	value	conspiracy	usage_count		
0	4209470	FlatEarth	FlatEarth	45		
1	20506	QAnon	FlatEarth	42		
2	3436024	flatearth	FlatEarth	23		
3	246962	NASA	FlatEarth	22		
4	12	coronavirus	FlatEarth	21		
5	319318	ConspiracyTheory	FlatEarth	17		
6	28270	NoVaccines	FlatEarth	15		
7	20002	Vaxxed	FlatEarth	15		
8	2045897	Woke	FlatEarth	15		
9	77112	Qanon	FlatEarth	14		
+		·	+	·+		

Co	Conspiracy Theory: Illuminati					
-		id	value	conspiracy	usage_count	
-	0	875154	Illuminati	 Illuminati	+ 391	
	1	25089	WWG1WGA	Illuminati	322	
	2	20506	QAnon	Illuminati	301	
	3	82851	TheGreatAwakening	Illuminati	207	
Ĺ	4	1093147	Cabal	Illuminati	169	
	5	12	coronavirus	Illuminati	160	
	6	25091	qanon	Illuminati	123	
1	7	967857	illuminati	Illuminati	121	
	8	77112	Qanon	Illuminati	118	
	9	689728	nwo	Illuminati	117	
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Conspiracy Theory: Reptilian conspiracy theory						
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	id	value	conspiracy	usage_count		
+			++			
0	15513442	Reptilians	Reptilian conspiracy theory	16		
1	82851	TheGreatAwakening	Reptilian conspiracy theory	16		
2	4484231	Romance	Reptilian conspiracy theory	15		
3	7229459	SSP	Reptilian conspiracy theory	15		
4	18288	Q	Reptilian conspiracy theory	15		
5	27195	QANON	Reptilian conspiracy theory	15		
6	2585	AI	Reptilian conspiracy theory	15		
7	60707	SpaceForce	Reptilian conspiracy theory	15		
8	262114	Patriots	Reptilian conspiracy theory	15		
9	15640968	DragonShips	Reptilian conspiracy theory	15		
++			++	+		

Dátovy model finálneho riešenia vyzerá nasledujúco

