

Text and sentiment analysis of twitter



Team xx

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List of Topics

- 1. Goals and data
- 2. Popular words and bigrams
- 3. NRC sentiment analysis
- 4. Plotting likes against sentiment

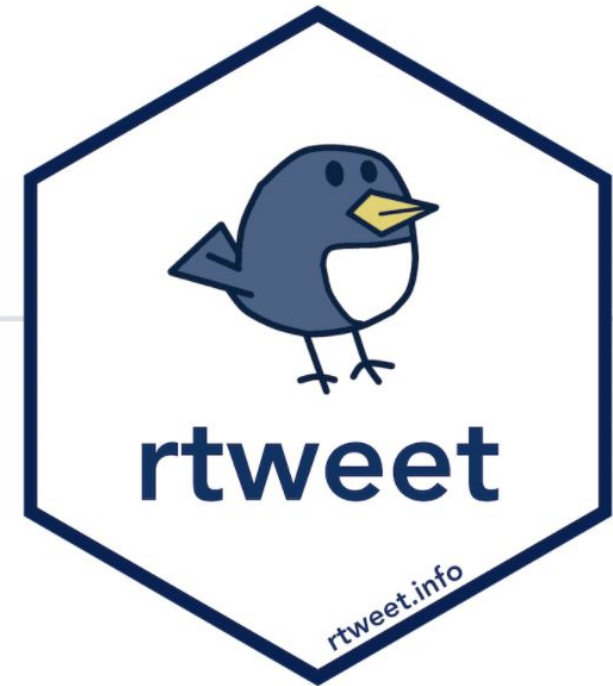
Goals

- 2 years into the pandemic, what are people saying about it?
 - Have we gotten used to life in a global pandemic?
 - How can we extract this information from twitter?



Data

- Recent tweets searched by keyword
 - Dataset 1: keyword = “pandemic”
 - Dataset 2 : keyword = “covid”





2. Popular words and Bigrams

Pandemic tweets popular words

word <chr>	n <int>
pandemic	9602
https	5662
covid	1583
people	1075
amp	945
home	891
health	658
williamchurch	648
time	620
started	535

Pandemic tweets popular bigrams

bigram <chr>	n <int>
pandemic https	453
bitcoin trading	324
home isn	324
isn easy	324
met williamchurch	324
started bitcoin	324
post pandemic	240
covid pandemic	234
global pandemic	190
public health	173



William_church
@Williamchurch0

📈📊 CRYPTO EXPERT TRADER
📁💻 BITCOIN MINING
💻💻 FOREX TRADER
📈📊 MARKET ANALYSIS
🌐 SLOVENIA
📁💻 ENTREPRENEUR
🌐🇺🇸🇧🇷🇬🇧🇺🇸
DM TO START TRADING



Pandemic tweets popular bigrams revisited

All Data

>10 Likes

bigram <chr>	n <int>
pandemic https	453
bitcoin trading	324
home isn	324
isn easy	324
met williamchurch	324
started bitcoin	324
post pandemic	240
covid pandemic	234
global pandemic	190
public health	173

bigram <chr>	n <int>
pandemic https	26
post pandemic	13
global pandemic	10
covid pandemic	9
pre pandemic	7
public health	7
health care	6
matt hancock	6
pandemic amp	6
climate change	5

Pandemic tweets popular words revisited

All Data

word <chr>	n <int>
pandemic	9602
https	5662
covid	1583
people	1075
amp	945
home	891
health	658
williamchurch	648
time	620
started	535

>10 Likes

word <chr>	n <int>
pandemic	407
https	293
covid	67
amp	56
people	42
health	35
time	30
don	24
government	22
world	21

Covid tweets popular words

word <chr>	n <int>
covid	10202
https	5073
de	3003
la	1611
en	1084
el	950
le	684
people	677
amp	548
por	525



Covid tweets popular words

All Data

word <chr>	n <int>
covid	10202
https	5073
people	677
amp	548
don	395
deaths	380
time	321
mask	315
vaccine	302
health	290

>10 Likes

word <chr>	n <int>
covid	233
https	138
people	19
mask	14
amp	13
death	13
days	11
die	11
health	11
deaths	10

Covid tweets popular bigrams

All Data

bigram <chr>	n <int>
covid https	323
covid deaths	104
da covid	84
post covid	84
vargas llosa	84
covid test	81
covid vaccine	67
emerg sanit	60
mario vargas	56
oficializa fim	47

>10 Likes

bigram <chr>	n <int>
mask mandate	5
covid https	4
post covid	4
wear masks	4
covid deaths	3
evoluciona favorablemente	3
tested positive	3
vargas llosa	3
assina portaria	2
bad person	2





3. NRC sentiment analysis

Joy

Pandemic

word <chr>	n <int>
money	473
love	131
food	115
hope	113
pay	109
safe	89
happy	88
found	82
share	79
deal	70

Covid

word <chr>	n <int>
hope	96
money	68
safe	65
love	61
pay	61
feeling	59
food	55
god	54
found	47
true	46

Sadness

Pandemic

word <chr>	n <int>
pandemic	9602
lost	472
death	110
bad	107
worse	77
sick	71
hospital	67
die	58
deadly	56
disease	53

Covid

word <chr>	n <int>
pandemic	258
death	230
die	206
hospital	171
sick	113
disease	102
bad	96
negative	88
lost	78
cancer	67

Anger

Pandemic

word <chr>	n <int>
money	473
hit	145
death	110
bad	107
demand	89
shit	67
fight	61
deadly	56
disease	53
dying	53

Covid

word <chr>	n <int>
death	230
disease	102
bad	96
money	68
cancer	67
feeling	59
dying	57
hit	55
sin	54
shit	52

Fear

Pandemic

word <chr>	n <int>
pandemic	9602
government	269
inflation	187
war	177
change	134
death	110
bad	107
flu	90
risk	84
watch	78

Covid

word <chr>	n <int>
pandemic	258
death	230
die	206
hospital	171
risk	170
flu	135
government	132
disease	102
infection	97
bad	96

Trust

Pandemic

word <chr>	n <int>
money	473
don	430
provide	360
real	162
economy	159
school	149
policy	121
food	115
hope	113
pay	109

Covid

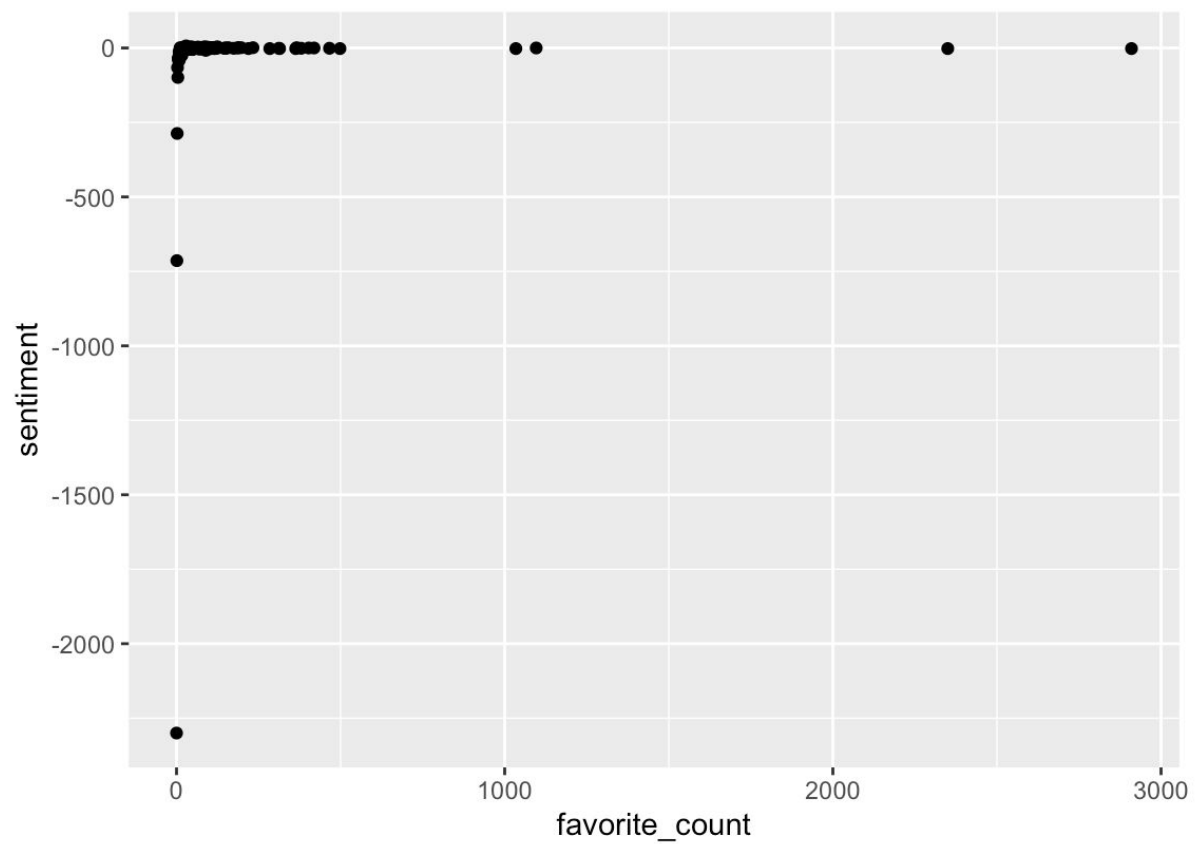
word <chr>	n <int>
don	395
hospital	171
wear	126
county	101
school	97
hope	96
leading	91
team	78
policy	71
money	68



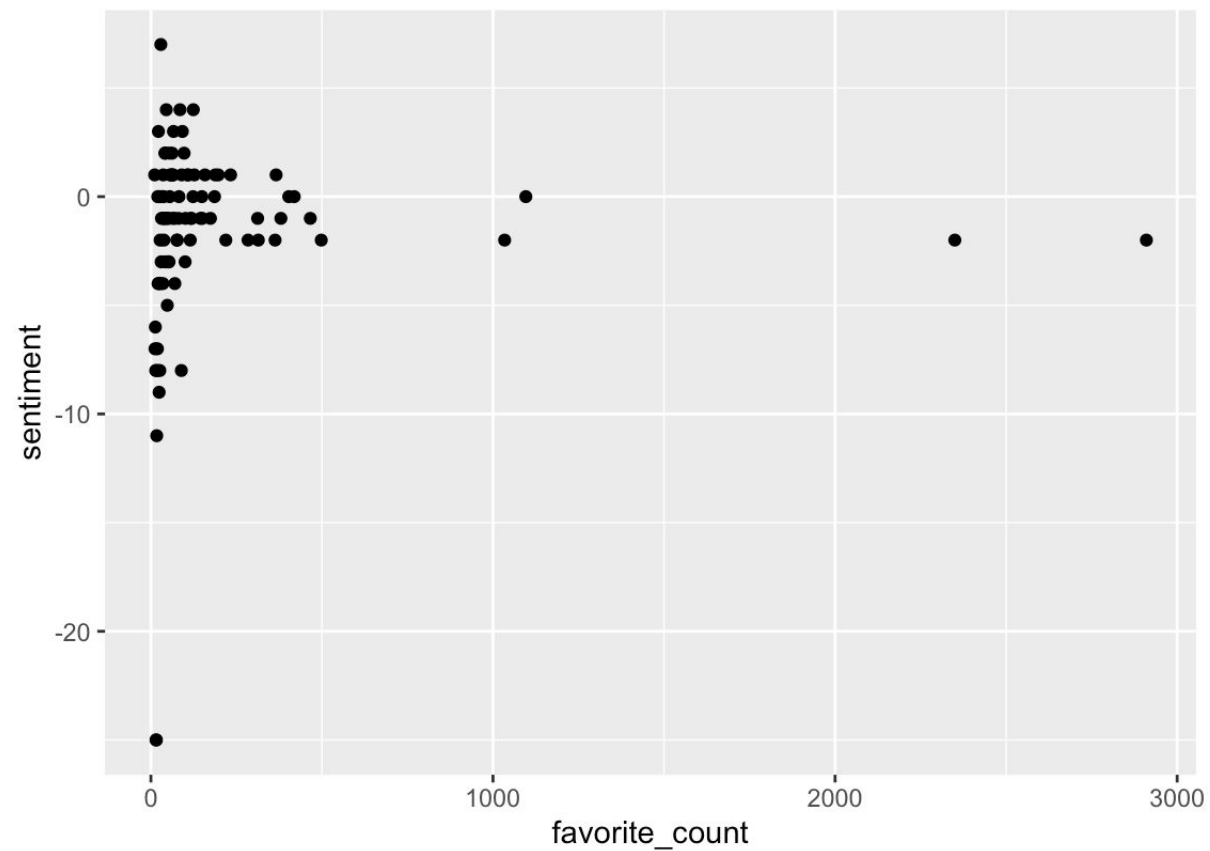
4. Sentiment Graph against likes

Pandemic

All Data

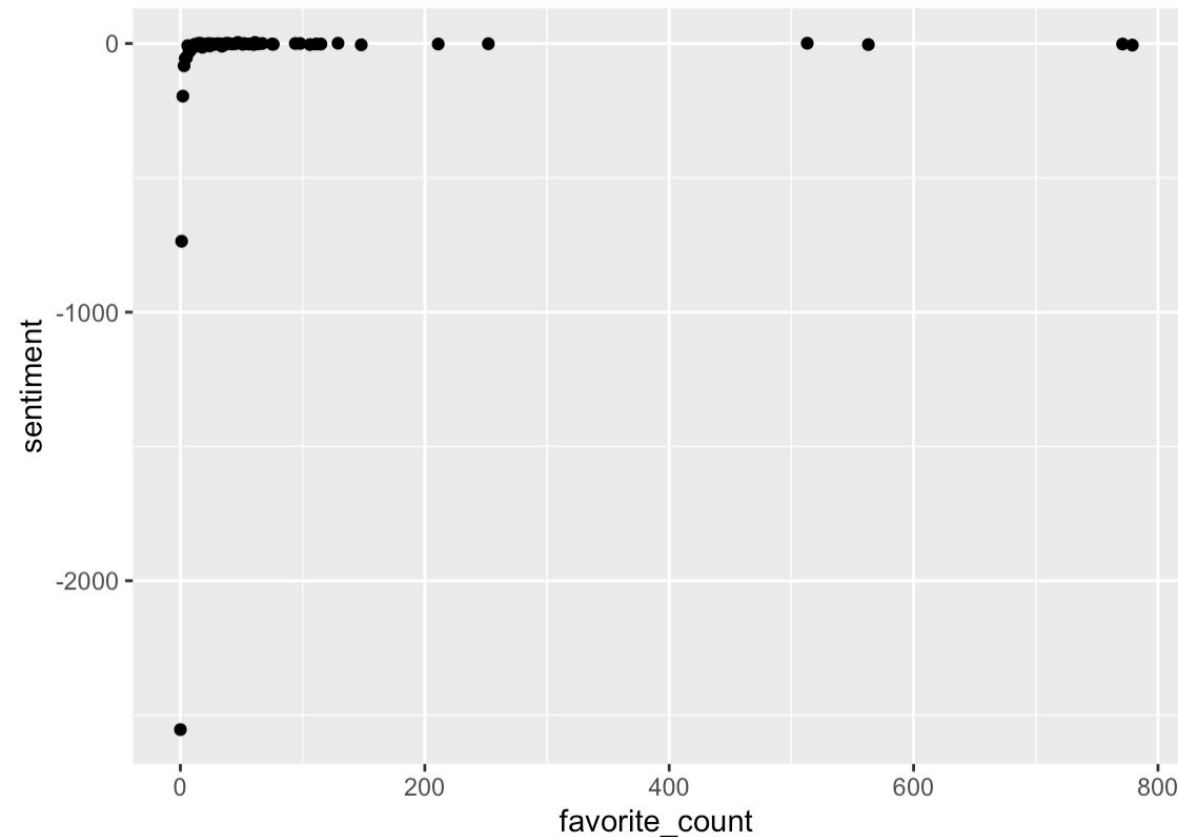


> 10 Likes

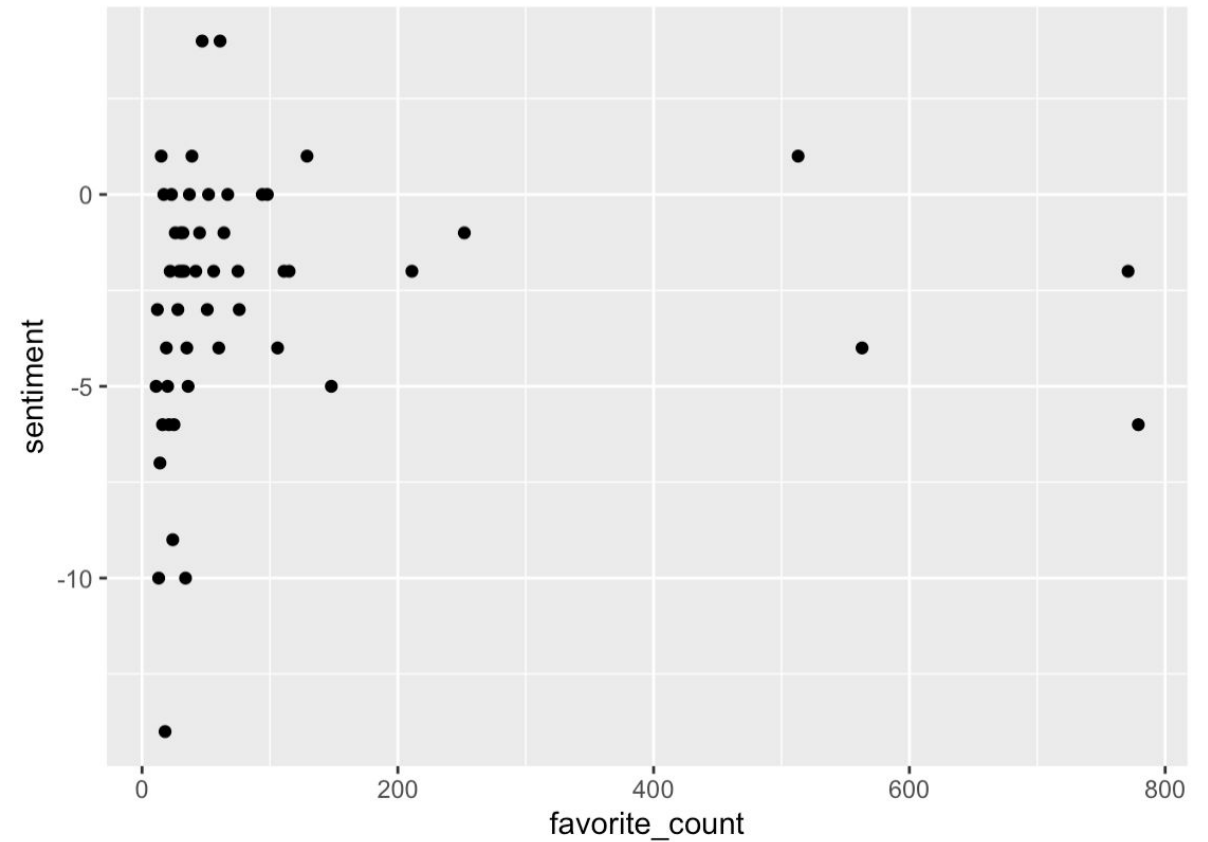


Covid

All Data



>10 Likes



THANK YOU