In this post, I'll briefly put how to use the Twitter API to group tweets from a specific account and put them in a *dataframe* to later perform analysis.

First you need a developer account on Twitter to get access to the API. Once the account is created, you generate 4 keys, they are:

1. Api_key
2. Api_secret_key
3. Access_token
4. Access_token_secret

With them, you can have at your disposal numerous api features.

Table 1 - dataframe with tweets

	tweets	likes	criado
0	Anvisa nega pedido de importação da Sputnik V.	5429	2021-04-27 02:05:55
1	Divisão por estados: https://t.co/x9VCG4krgg\n...	133	2021-04-27 00:12:22
2	⚠Atualização - Vacinação Brasil\n\n🚨Pessoas ...	1998	2021-04-27 00:12:21
3	Pesquisadores do Instituto Butantan identifica...	6931	2021-04-26 21:25:08
4	https://t.co/kFfZLBNVkg	313	2021-04-26 17:41:04
...	...	...	...
195	06/04: Brasil registra 4.195 mortes em 24h, no...	33811	2021-04-06 20:54:09
196	@Gusdpc810 Foram 282 no PR	36	2021-04-06 20:34:26
197	Com 110 óbitos, ES tem novo recorde de mortes ...	788	2021-04-06 20:33:47
198	Com 224 óbitos, SC tem novo recorde de mortes ...	2093	2021-04-06 20:27:09
199	RT @sputnikvaccine: Presidents Putin and Bolso...	0	2021-04-06 18:20:12

To give an example, I used the API to fetch the last 200 tweets, amount of likes and when they were made, from the account 'CoronavirusBra1'. After obtaining them, I joined everything together into a *data frame* as seen in table 1.

Table 2 - *Dataframe* only with account tweets

	tweets	likes	criado
0	Anvisa nega pedido de importação da Sputnik V.	5429	2021-04-27 02:05:55
1	Divisão por estados: https://t.co/x9VCG4krgg\n...	133	2021-04-27 00:12:22
2	⚠Atualização - Vacinação Brasil\n\n❗Pessoas ...	1998	2021-04-27 00:12:21
3	Pesquisadores do Instituto Butantan identifica...	6931	2021-04-26 21:25:08
4	https://t.co/kFfZLBNVkg	313	2021-04-26 17:41:04
...	...	...	...
185	@IBacaninha Não é a primeira vez que o Brasil ...	1050	2021-04-06 21:02:20
186	06/04: Brasil registra 4.195 mortes em 24h, no...	33811	2021-04-06 20:54:09
187	@Gusdpc810 Foram 282 no PR	36	2021-04-06 20:34:26
188	Com 110 óbitos, ES tem novo recorde de mortes ...	788	2021-04-06 20:33:47
189	Com 224 óbitos, SC tem novo recorde de mortes ...	2093	2021-04-06 20:27:09

As in this search with the API are returned all tweets, *including retweets*, I removed them so we stay only with the tweets from the account. As you can see in table 2, we have removed 10 retweets.

Table 3 - *Dataframe* with the 5 tweets that received the most likes

	tweets	likes	criado
21	Pela 1ª vez, Brasil registra mais de 1,7 milhã...	101915	2021-04-23 23:38:25
171	Nova variante do coronavírus é detectada em Be...	43538	2021-04-07 19:00:53
186	06/04: Brasil registra 4.195 mortes em 24h, no...	33811	2021-04-06 20:54:09
10	Número de mortes por Covid-19 no Brasil em 202...	33750	2021-04-25 21:22:28
166	Butantan suspende produção da CoronaVac por fa...	32375	2021-04-07 23:10:33

Finally, I made a *small dataframe* with the 5 tweets that received the most likes, among the remaining 190. In table 3, we see that on 23/04 was made the tweet with the most number of likes. It was on that day that Brazil recorded more than 1.7 million doses applied, a very positive news during the pandemic of corona virus and that produced a great engagement on the part of the public. That's almost 50, 000 likes more than second place. This shows that vaccination and its advancement is a very important topic for Brazilians.

This example was made to show that through this API, we can search the tweets of any account, be it from an individual or a company and perform various types of analysis, either statistically or using an NLP method and find out, for example, because the company or person is less engaging, if people are enjoying some product being advertised and etc.