# **Explanation Twitter Scraper**

In this document, we will give you an explanation how the Twitter scraper works.

### Installations and imports

Before we can use the scraper, we need some installs and imports:

```
# Installs
!pip install git+https://github.com/JustAnotherArchivist/snscrape.git
!pip install snscrape
!pip install pandas
!pip install dropbox
!pip install pathlib
!pip install regex
```

```
# Imports
import snscrape.modules.twitter as sntwitter
import pandas as pd
from time import sleep
import pathlib
import dropbox
import re
import csv
import os
```

#### **Function**

Our function looks pretty darn badass, but we will explain its simplicity to you

- 1. This is the standard input of the function, as you can see we are going to scrape a max of 100 tweets with the hashtag #afcajax in it for a particular weekend in 2021.
- 2. This is how the timefilter is build up: 'since: 2021-01-01 until: 2021-01-03'

3. This is where the sntwitter scraper is going to do its work. It combines the search (#afcajax) with the timefilter: #afcajax since:2021-01-01 until:2021-01-03. If you put this line exactly in the twitter search function, you get the tweet you are going to scrape:



4. Here you can see which variables are scraped from the tweets, how the column names are named in the csv file and how the csv file is saved.

### Running the function

a.

Now you can run the function as many times as you want, with different variables:

## Merging

The output of the scraping are multiple csv files, if you want to merge these files into one file, you can do this here:

## Now merging and exporting local

### Dropbox

The last part of the code is exporting the merged file to your dropbox, so it is save in the cloud ©

#### Now exporting to Dropbox

- First, you have to create a Dropbox API token (<a href="https://www.dropbox.com/developers/apps">https://www.dropbox.com/developers/apps</a>).
   You need to create an app, make a map inside this app, get the API access token for this app and fill it in at point 1. More information about creating a Dropbox app here:
   <a href="https://www.dropbox.com/developers/documentation">https://www.dropbox.com/developers/documentation</a>. Youtube also is your friend;)
  - a. Under app permissions, don't forget to get everything like this before creating your access token:

Account Info
Permissions that allow your app to view a
✓ account_info.write
account_info.read
Files and folders Permissions that allow your app to view a
✓ files.metadata.write
files.metadata.read
☑ files.content.write
☑ files.content.read
Collaboration Permissions that allow your app to view a
sharing.write
sharing.read
✓ file_requests.write
file_requests.read
✓ contacts.write

b.2. Fill in the name of the merged csv file, and the exact path of the dropbox map structure of the created app. So fill in the whole path of where you want your file to be put.