twitter_handles_collection_getting_started

June 22, 2022

1 Twitter API - Getting started

This notebook is to get you started on collecting tweets from the @CommBank Twitter handle.

1.1 Importing packages and defining globals

```
[14]: import requests
      import pandas as pd
      import re
      from collections import Counter
```

Before you're able to collect tweets from the Twitter API, you need to create a developer account. You can do this by following the steps on this website: https://developer.twitter.com/en/docs/twitter-api/getting-started/getting-access-to-the-twitter api

Once you've done this, you need to create a new App within the **Developer Portal** https://developer.twitter.com/en/portal/dashboard. As soon as you've done this, your app will have a unique API_KEY, API_KEY_SECRET and BEARER_TOKEN, which you should insert into the variables below.

Note: Do not share these tokens!

```
[7]: API_KEY = "<ADD_API_KEY>"
     API_KEY_SECRET = "<ADD_API_KEY_SECRET>"
     BEARER_TOKEN = "<ADD_BEARER_TOKEN>"
```

1.2 Define request parameters

For this task, we are only interested in the tweets associated with the @CommBank handle, so we define this in the URL parameters. The other variables defined below will be useful when building your HTTP request to the Twitter API.

You may notice that we are making use of the /search/recent endpoint to collect recent tweets from an account. We recommend using this endpoint for simplicity.

```
[8]: handle = "CommBank"
     url = f"https://api.twitter.com/2/tweets/search/recent?query=from:
     ↪{handle}&tweet.fields=created_at&expansions=author_id&user.fields=created_at" headers =
```

```
{"Authorization": "Bearer {}".format(BEARER_TOKEN)}
```

1.3 Collect last 100 tweets

Now it is up to you to build the request, send the request and collect the most recent 100 tweets. Good luck!

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