

Data Mining and Analysis

ICA-1: Creating Twitter developer account and collecting data from Twitter using Twitter API.

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Introduction: The steps for creating a Twitter developer account, utilising the Twitter API, and harvesting tweets in Python are described in this article. Thanks to the Twitter Developer Platform, you can leverage the power of Twitter's open, global, real-time, and historical platform in your products. Through

You may use the platform's tools, materials, data, and API services to integrate and increase Twitter's influence. To read or start Twitter discussions, utilise the Twitter API, which is a set of programmable APIs. A range of resources, including as Tweets, Users, Spaces, Direct Messages, Lists, Trends, Media, and Places, may be discovered and acquired with the use of this API.

Task:

1. Create a Twitter Developer account:
 - It is necessary to collect the access token and access token secret. You may create them on your developer portal's "Keys and tokens" page for your developer app.
 - Tweepy must be installed next.
2. Create Keys:
 - To use the API v2, we must supply the Twitter keys and tokens.
 - In order to keep all passwords, we first write a short Python script named keys.py.
3. Make a connection with API v2:
 - We import the keys and use them in the function tweepy.Client.
4. Make a query:
 - Let's use the search recent tweets function to look up Tweets from Barack Obama's (@BarackObama) Twitter account from the previous seven days.
 - A maximum of 100 Tweets is produced by excluding Retweets.
 - Along with tweet fields, we also provide some more information (author id and when the Tweet was created).
5. Convert to pandas Dataframe:
 - The data is then transformed into a panda Dataframe.