***Export tweets from Twitter with Google app script***

Exporting tweets from Twitter is like the go-to scraper when we want to download all the tweets posted by any account on Twitter. It allows you to save the tweets from the feed and export them to Google sheets where one can further analyse these tweets for their use.

***Reasons to export tweets***

1.Getting access to valuable information can prove to be very useful in modern environment.

2.Follower analysis can help you in getting access to authentic Twitter data and helps to maintain higher accuracy which would make the research more effective.

***Exporting tweets from Twitter***

The Twitter achiever app will download tweets for any hashtag to Google spreadsheet using Twitter.

Twitter API provides all the available tweets like user information, retweet etc. in JSON format. It allows accessing to real time feeds also, as for the search API, it allows the query of Twitter for recent tweets which contains specific keywords and requires an authorised application before one can obtain results from the API.

In order to use the API user has to register their research project information. Then the user would be provided with the set of credentials and application unique ID in order to access API. Then the user can use this credential to set up a connection and by running the query through API, the result in JSON format will be returned.

Following code can be referred order to download tweets

Code:

function downloadTweets(searchTerm) {

var twitterService = getTwitterService\_();

var props = PropertiesService.getUserProperties();

var sinceID = props.getProperty("SINCEID") || "";

var api = "https://api.twitter.com/1.1/search/tweets.json?count=100&include\_entities=false";

api += "&result\_type=recent&q=" + encodeString\_(searchTerm) + "&since\_id=" + sinceID;

var result = twitterService.fetch(api);

if (result.getResponseCode() == 200) {

var json = JSON.parse(result.getContentText());

var tweets = json.statuses;

for (var i = tweets.length - 1; i >= 0; i--) {

logTweet\_(tweets[i]);

if (i == 0) {

props.setProperty("SINCEID", tweets[0].id\_str);

}

}

}

}

function logTweet\_(tweet) {

var log = [];

log.push(new Date(tweet.created\_at));

log.push('=HYPERLINK("https://twitter.com/' + tweet.user.screen\_name + '/status/' + tweet.id\_str + '","' + tweet.user.name + '")');

log.push(tweet.user.followers\_count);

log.push(tweet.user.friends\_count);

log.push(tweet.retweet\_count);

log.push(tweet.favorite\_count);

log.push(tweet.text.replace(/\n|\r/g, " "));

SpreadsheetApp.getActiveSheet().appendRow(log)

}

function getTwitterService\_() {

var props = PropertiesService.getUserProperties();

return OAuth1.createService('twitter')

.setAccessTokenUrl('https://api.twitter.com/oauth/access\_token')

.setRequestTokenUrl('https://api.twitter.com/oauth/request\_token')

.setAuthorizationUrl('https://api.twitter.com/oauth/authorize')

.setConsumerKey(props.getProperty("consumer\_key"))

.setConsumerSecret(props.getProperty("consumer\_secret"))

.setProjectKey(ScriptApp.getProjectKey())

.setCallbackFunction('twitter')

.setPropertyStore(props);

}

function encodeString\_(q) {

var str = encodeURIComponent(q);

str = str.replace(/!/g, '%21');

str = str.replace(/\\*/g, '%2A');

str = str.replace(/\(/g, '%28');

str = str.replace(/\)/g, '%29');

str = str.replace(/'/g, '%27');

return str;

}

***If a user wants to extract old tweets, following steps can be followed***

***STEP-1:*** Search on Twitter and scroll down as far as you want, the pages will automatically load older results.

***STEP-2:*** Install a web scraping Chrome extension.

***STEP-3:*** Use one of their recipes that will automatically detect handle names tweets etc.

***STEP-4:*** Export as a CSU fill and open it in Google sheet or Excel.

Conclusion:

The powerful feature of Google apps script helps user to export Tweets which provide with some valuable information to user which user can further be used by user to a great extent.

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AUTHOR : Shraddha Jain