About Research Tools

TikTok's Research Tools allow independent and academic researchers who work for a non-profit institution to access certain data, including the following information about public account owners.

* **Videos -** Videos configured to "Everyone" for who can watch, and for such videos, the total number of likes, total number of comments, voice-to-text, subtitles, the time of creation and video length.
* **Comments -**comment text, and total number of likes, replies, and the time the comment was posted.
* **Accounts -**bios, profile pictures, liked videos, reposted videos, pinned videos, the total number of followers and the number of people who are followed by the account. The response also returns information on the followers and people followed by the account.

Daily Quota Limits

* Daily limits: 1000 requests per day, allowing you to obtain up to 100,000 records per day. (Video and Comments API can return 100 records per request).  The daily quota gets reset at 12 AM UTC.

Content Made Available for Research

Videos

Unit of Analysis

A public TikTok video posted by a public creator (who is aged 18 and over), who wants to expose their videos to all users of TikTok

Scope

All the videos from TikTok that are:

1. made public by a creator who is aged 18 and over;
2. AND, are posted in the regions of US, Europe and Rest of the World;
3. AND do not belong to Canada.

Details

1. **ID**: The unique identifier of the TikTok video. This is also called "item\_id" or "video\_id".
2. **Create Time**: This is the time when the video was created.
3. **Username:** This is the username of the video creator.
4. **Region Code**: A two digit code for the country where the video creator registered their account. [Click here](https://developers.tiktok.com/doc/research-api-specs-query-videos/) to learn more about the region codes returned.
5. **Video Description:** This is the description of the video.
6. **Music ID**: This is the music\_id used in the video.
7. **Like Count:** The total number of likes on a TikTok video, created by users by clicking the “Heart” icon.
8. **Comment Count**: This is the total number of comments posted on a video.
9. **Share Count**: The total number of times a TikTok video has been shared by clicking the "Share" button with the video.
10. **View Count:** This is the total number of views for a video on TikTok.
11. **Effect\_IDs**: The list of effects applied on the video.
12. **Video ID**: This is a unique video ID for each video posted on TikTok. This is a number that can be used to reconstruct the URL link to access the video.
13. **Hashtags**: The list of hashtags used in the video.
14. **Hashtag\_id**: Returns the unique hashtag\_ids for each hashtag.
15. **Hashtag\_description**: Returns a description for a hashtag\_name if one exists.
16. **Video\_mention\_list**: Returns the other tagged users in a video.
17. **Video\_label**: Returns any labels applied to a video such as "election labels" (Ex: Get info on the U.S elections)
18. **Playlist\_ID**: The ID of the playlist that the video belongs to.
19. **Voice\_to\_text**: Voice to text and subtitles (for videos that have voice to text features on, show the texts already generated)
20. **Is\_stem\_verified**: Whether the video has been verified as being high quality STEM content.
21. **Video\_duration**: The duration of the video in seconds.
22. **Favorites\_count**: The number of favorites a video receives.

Comments

Unit of Analysis

A comment OR a reply to a comment posted for a public video on TikTok.

Scope

The information provided here includes text extracted from comments and a serial number (i.e. comment IDs) that help identify original comments posted on a video and any replies to comments. To protect the privacy of our users, other information is removed.

Details

1. **Create Time**: This is the time when the comment was posted on a video.
2. **ID**: This is the unique comment ID for a comment posted on a video.
3. **Like Count**: The total number of likes for a comment under a video, created by users by clicking the “Heart” icon.
4. **Parent Comment ID**: This is the unique ID of the parent comment when the user responds to another user's comment. If the comment was directly entered for a video, this ID is the same as the Video ID.
5. **Reply Count**: This is the total number of replies on a particular comment.
6. **Text:** This is the actual text of the comment entered on a video. To protect the privacy of our users, other information is removed.
7. **Video\_ID**: This is the video ID for which the comment was entered.

Query TikTok public content data

The cURL command below shows an example of how you can query the TikTok ID and like count of videos created in the US or Canada with the keyword hello world in the video description.

一張含有 文字, 字型, 螢幕擷取畫面, 筆跡 的圖片

自動產生的描述

一張含有 文字, 螢幕擷取畫面, 字型, 網頁 的圖片

自動產生的描述

一張含有 文字, 螢幕擷取畫面, 字型 的圖片

自動產生的描述