

username_info = api.username_info(username: str)

Returned values I understand:

- *unique user id (int)*, key: ['user']['pk']
- *full name (str)*, key: ['user']['full_name']
- *private status (bool)*, key: ['user']['is_private']
- *url to profile pic (str)*, key: ['user']['profile_pic_url']
- *number of posts (int)*, key: ['user']['media_count']
- *number of followers (int)*, key: ['user']['follower_count']
- *number of following (int)*, key: ['user']['following_count']
- *bio text (str)*, key: ['user']['biography']
- *url in bio (str)*, key: ['user']['external_url']
- *user ids of some mutual followers (list [int])*, key: ['user']['profile_context_mutual_follow_ids']

Returned values I don't understand:

- *number of hashtags following (int)*, key: ['user']['following_tag_count']
 - Not exactly sure what this means
- *number of mutual followers (int)*, key: ['user']['mutual_followers_count']
 - Need to test to see if this value is accurate
- *number of user tags (int)*, key: ['user']['usertags_count']
 - No idea what user tags are but could be useful

user_followers = api.user_followers(user_id, rank_token, max_id = begin_query_index)

Note: 1 API call collects 100 users

- **user_followers['users']** → **list**, for each list element:
 - *unique user id (int)*, key: ['pk']
 - *username (str)*, key: ['username']
 - *full name (str)*, key: ['full_name']
 - *url to profile pic (str)*, key: ['profile_pic_url']

user_following : same as user_followers

user_feed = api.user_feed(user_id, max_id = begin_query_index)

Note: Not sure how many posts API collects with single call

- **user_feed['items']** → **list**, for each list element:

Returned values I understand:

 - *time stamp of post in time.time() unit*, key: ['taken_at']
 - *unique media id*, key: ['id']
 - *number of sliding images/vids in post (int)*, key: ['carousel_media_count']
 - **user_feed['items']['carousel_media']** → **list**, for each element:
 - *url to image*, key: ['image_versions2']['url']
 - **['usertags']['in']** → **list**, for each element:
 - *username*, key: ['user']['username']
 - *unique user id*, key: ['user']['pk']
 - *profile pic url*, key: ['user']['profile_pic_url']

- *basic user info (id, full name, profile pic url)*, key: ['user']
- *number of comments (int)*, key: ['comment_count']
- *number of likes (int)*, key: ['like_count']
- *basic info on tagged users (id, username, full name, profile pic url)*, key: ['usertags']
- *caption text (str)*, key: ['caption']['text']

Returned values I don't understand:

- key: ['media_type'], returns int (8)

media_comments = api.media_comments(media_id, max_id = begin_query_index)

Note: Not sure how many comments API collects with single call

- **media_comments['comments']** → **list**, for each element:
 - *unique user id (int)*, key: ['user_id']
 - *comment text (str)*, key: ['text']
 - *time stamp of comment (int)*, key: ['created_at_utc']
 - *basic user info (id, username, full name, profile pic url)*, key: ['user']
 - *number of comment likes (int)*, key: ['comment_like_count']
- *comment count (int)*, key: ['comment_count']
- *caption text (str)*, key: ['caption']['text'] (also can be post user's basic info)