# Package 'tfse'

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**Type** Package

**Title** twitter follows & selective exposure

**Version** 0.1.0

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**Description** this package contains R code used in my dissertation research most of the functions are designed to interact with twitter's API. this repository will one day be organized into more useful replication materials. until then, it's is a work in progress.

**License** MIT

**LazyData** TRUE

**RoxygenNote** 5.0.1

**Imports** httr, jsonlite

## R topics documented:

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check_rate_limit                *check_rate_limit*

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#### Description

check_rate_limit

#### Usage

```
check_rate_limit(type, token)
```

#### Arguments

| | |
|---|---|
| type | If not missing, which returns entire rate limit request object, type returns specific values; e.g., type = "lookup" returns remaining limit for user lookup requests; type = "followers" returns remaining limit for follower id requests; type = "friends" returns remaining limit for friend id requests. |
| token | An OAuth token (1.0 or 2.0) |

#### Value

response Rate limit response object or specific value of remaining requests

#### See Also

See https://dev.twitter.com/overview/documentation for more information on using Twitter's API.

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get_followers                *get_followers*

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#### Description

get_followers

#### Usage

```
get_followers(user, token, page = "-1")
```

#### Arguments

| | |
|---|---|
| token | OAuth token (1.0 or 2.0) |
| page | Default page = -1 specifies first page of json results. Other pages specified via cursor values supplied by Twitter API response object. |
| screen_name | Screen name of target user. |

#### Value

user ids

## See Also

See <https://dev.twitter.com/overview/documentation> for more information on using Twitter's API.

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| get_followers_max | *get_followers_max* |
|---|---|

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## Description

get_followers_max

## Usage

```
get_followers_max(user, tokens)
```

## Arguments

| | |
|---|---|
| user | Screen name or user id of target user |
| tokens | OAuth tokens (1.0 or 2.0) |

## Value

user ids

## See Also

See <https://dev.twitter.com/overview/documentation> for more information on using Twitter's API.

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| get_friends | *get_friends* |
|---|---|

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## Description

get_friends

## Usage

```
get_friends(user, token, page = "-1")
```

## Arguments

| | |
|---|---|
| token | OAuth token (1.0 or 2.0) |
| page | Default page = -1 specifies first page of json results. Other pages specified via cursor values supplied by Twitter API response object. |
| screen_name | Screen name of target user. |

## Value

friends User ids for everyone a user follows.

## See Also

See <https://dev.twitter.com/overview/documentation> for more information on using Twitter's API.

---

get_friends_max                    *get_friends_max*

---

## Description

get_friends_max

## Usage

```
get_friends_max(ids, tokens, group, start)
```

## Arguments

| | |
|---|---|
| tokens | OAuth tokens (1.0 or 2.0) |
| group | Source used to identify users (groups are liberal, conservative, realDonaldTrump, HillaryClinton, and celebrity) |
| followers | Data frame with column name "screen_name" |

## Value

friends List of user ids each user follows.

## See Also

See <https://dev.twitter.com/overview/documentation> for more information on using Twitter's API.

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get_friends_timepoint    *get_friends_timepoint*

---

## Description

get_friends_timepoint

## Usage

```
get_friends_timepoint(followers, tokens, screen_name, N = 600)
```

## Arguments

| | |
|---|---|
| followers | Data frame with user ids in column one |
| tokens | OAuth tokens (1.0 or 2.0) |
| screen_name | Origin twitter account followed |
| N | minimum number of friends to return |

## Value

response object

## See Also

See https://dev.twitter.com/overview/documentation for more information on using Twitter's API.

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get_lookup                              *get_lookup*

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## Description

get_lookup

## Usage

```
get_lookup(users, token)
```

## Arguments

| | |
|---|---|
| users | User ids of target user. |
| tokens | OAuth tokens (1.0 or 2.0) |

## Value

response object

## See Also

See https://dev.twitter.com/overview/documentation for more information on using Twitter's API.

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get_lookup_max                          *get_lookup_max*

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## Description

get_lookup_max

## Usage

```
get_lookup_max(ids, tokens)
```

## Arguments

| | |
|---|---|
| ids | User ids of target user. |
| tokens | OAuth tokens (1.0 or 2.0) |

**Value**

response object

**See Also**

See https://dev.twitter.com/overview/documentation for more information on using Twitter's API.

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is_screen_name                  *is_screen_name*

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**Description**

is_screen_name

**Usage**

```
is_screen_name(x)
```

**Arguments**

x                        Twitter user id or screen name

**Value**

logical value indicating whether object is screen name [or user ID]

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load_tokens                  *load_tokens*

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**Description**

load_tokens

**Usage**

```
load_tokens()
```

**Value**

twitter oauth 1.0 tokens

| TWIT | *TWIT* |
|------|--------|

## Description

TWIT

## Usage

```
TWIT(query, parameters, token)
```

## Arguments

| | |
|---|---|
| query | Twitter API request type string. e.g, `"friends/ids"` calls Twitter API to return information about a user's friend network (i.e., accounts followed by a user). |
| parameters | Additional parameters passed along to API call |
| token | An OAuth token (1.0 or 2.0) |
| type | If not missing, which returns entire rate limit request object, type returns specific values; e.g., type = `"lookup"` returns remaining limit for user lookup requests; type = `"followers"` returns remaining limit for follower id requests; type = `"friends"` returns remaining limit for friend id requests. |

## Value

json response object as nested list

## See Also

See https://dev.twitter.com/overview/documentation for more information on using Twitter's API.

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