

# Package: tweetrbot (via r-universe)

September 5, 2024

**Title** Functions for a Twitter bot

**Version** 0.0.1

**Description** Functions to allow retrieve, store and retweet regularly.

**License** MIT + file LICENSE

**URL** <https://github.com/statnmap/tweetrbot>

**BugReports** <https://github.com/statnmap/tweetrbot/issues>

**Depends** R (>= 3.5)

**Imports** dplyr, ggplot2, glue, lubridate, magrittr, ps, rtweet, stats

**Suggests** knitr, readr, rmarkdown

**VignetteBuilder** knitr

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.1

**Repository** <https://statnmap.r-universe.dev>

**RemoteUrl** <https://github.com/statnmap/tweetrbot>

**RemoteRef** HEAD

**RemoteSha** dd8a4ab945110e3840241c0d7fd7cb5ecd4cd36a

## Contents

filter_month . . . . .	2
get_account_info . . . . .	2
get_and_store . . . . .	3
last_month . . . . .	4
retweet_and_update . . . . .	4
top_tweets . . . . .	5
update_data . . . . .	6

<b>Index</b>	<b>7</b>
--------------	----------

---

filter_month	<i>Filter dataset for last month tweets only</i>
--------------	--

---

**Description**

Filter dataset for last month tweets only

**Usage**

```
filter_month(x, the_month, the_year)
```

**Arguments**

x	Dataset of tweets
the_month	Number of the month. Default to last month.
the_year	Year to filter. Default to current year.

---

get_account_info	<i>Retrieve number of followers and tweets</i>
------------------	--

---

**Description**

Retrieve number of followers and tweets

**Usage**

```
get_account_info(
  user = "talk_rspatial",
  dir = ".",
  timeline_file = "timeline_rspatial.rds",
  log = TRUE,
  logfile = "rtweet_info.log",
  token = NULL
)
```

**Arguments**

user	user names or user IDs
dir	Directory where to save data
timeline_file	timeline filename relative to dir
log	Logical. log file
logfile	logfile name relative to dir

token Every user should have their own Oauth (Twitter API) token. By default token = NULL this function looks for the path to a saved Twitter token via environment variables (which is what 'create\_token()' sets up by default during initial token creation). For instruction on how to create a Twitter token see the tokens vignette, i.e., 'vignettes("auth", "rtweet")'.

---

get\_and\_store *Retrieve tweets and store locally*

---

## Description

Retrieve tweets and store locally

## Usage

```
get_and_store(
  query = "#rspatial",
  n_tweets = 20,
  dir = ".",
  tweets_file = "tweets_rspatial.rds",
  complete_tweets_file = "complete_tweets_rspatial.rds",
  log = TRUE,
  logfile = "rtweet_console.log",
  loop_pid_file = "loop_pid.log",
  token = NULL,
  hashtags_max = 5,
  hashtag_stopwords = "robot"
)
```

## Arguments

query	search tweet query
n_tweets	n_tweets
dir	Path where everything will be saved
tweets_file	tweets_file path name relative to dir
complete_tweets_file	complete_tweets_file path name relative to dir
log	Logical
logfile	logfile path name relative to dir
loop_pid_file	loop_pid_file path name relative to dir
token	Every user should have their own Oauth (Twitter API) token. By default token = NULL this function looks for the path to a saved Twitter token via environment variables (which is what 'create_token()' sets up by default during initial token creation). For instruction on how to create a Twitter token see the tokens vignette, i.e., 'vignettes("auth", "rtweet")'.

hashtags\_max    Maximum number of hashtags allowed in tweets  
 hashtag\_stopwords    Hashtags that you dont want to retweet

---

last_month	<i>What is last month</i>
------------	---------------------------

---

### Description

What is last month

### Usage

```
last_month()
```

### Examples

```
last_month()
```

---

retweet_and_update	<i>Retweet and update the database of tweets to tweet</i>
--------------------	---

---

### Description

Retweet and update the database of tweets to tweet

### Usage

```

retweet_and_update(
  dir = ".",
  tweets_file = "tweets_rspatial.rds",
  complete_tweets_file = "complete_tweets_rspatial.rds",
  log = TRUE,
  logfile = "rtweet_console.log",
  loop_pid_file = "loop_pid.log",
  tweets_failed_file = "tweets_failed_rspatial.rds",
  n_tweets = 20,
  n_limit = 3,
  sys_sleep = 600,
  debug = FALSE,
  token = NULL
)

```

**Arguments**

dir	Directory where everything will be saved
tweets_file	tweets_file path name relative to dir
complete_tweets_file	complete_tweets_file path name relative to dir
log	Logical
logfile	logfile path name relative to dir
loop_pid_file	loop_pid_file path name relative to dir
tweets_failed_file	tweets_failed_file path name relative to dir
n_tweets	n_tweets
n_limit	n_limit
sys_sleep	sys_sleep
debug	Logical. Use TRUE to avoid tweeting while debugging
token	Every user should have their own Oauth (Twitter API) token. By default token = NULL this function looks for the path to a saved Twitter token via environment variables (which is what 'create_token()' sets up by default during initial token creation). For instruction on how to create a Twitter token see the tokens vignette, i.e., 'vignettes("auth", "rtweet")'.

---

top_tweets	<i>Create a tweet for top retweets and other stats</i>
------------	--

---

**Description**

Create a tweet for top retweets and other stats

**Usage**

```
top_tweets(
  all_tweets,
  save_dir = tempdir(),
  post_tweet = TRUE,
  top_number = 5,
  hashtag = "rspatial",
  fill = c("#1e73be", "#BF223C", "#79C698"),
  token = NULL,
  the_month_name
)
```

**Arguments**

all_tweets	Table of tweets to explore
save_dir	Path where to save images that will be tweet
post_tweet	Logical. Whether to really tweet the content
top_number	Numeric. Number of best retweeted tweets to show on the graph
hashtag	Character. Which Twitter hashtag is followed
fill	Vector of colors to be used in the graphics. Length 1 for all the same, or length 3 resp. for: top retweeted, tweets per day, contributors per day
token	Expert use only. Use this to override authentication for a single API call. In most cases you are better off changing the default for all calls. See <a href="#">auth_as()</a> for details.
the_month_name	Character. Month name that appear on graph. Default to last month name.

---

update_data	<i>Update a tweet dataset with last information</i>
-------------	---

---

**Description**

Update information of all statuses listed. At most, the last 90000.

**Usage**

```
update_data(
  x,
  path,
  statuses,
  token = NULL,
  return_all = FALSE,
  overwrite = TRUE
)
```

**Arguments**

x	dataset to update. Not used if path is set.
path	Path to .rds file with saved dataset
statuses	Tweet statuses to update
token	Expert use only. Use this to override authentication for a single API call. In most cases you are better off changing the default for all calls. See <a href="#">auth_as()</a> for details.
return_all	Logical. TRUE returns the complete dataset, FALSE returns data in statuses list (default).
overwrite	Logical. Whether to overwrite rds file with updated data

# Index

`auth_as()`, 6

`filter_month`, 2

`get_account_info`, 2

`get_and_store`, 3

`last_month`, 4

`retweet_and_update`, 4

`top_tweets`, 5

`update_data`, 6