

Package: tweetcheck (via r-universe)

September 11, 2024

Title Parse and Validate Tweet Text

Version 0.1.0

Description An interface to 'twitter-text', a 'JavaScript' library which is responsible for determining the length/validity of a tweet and identifying/linking any URLs or special tags (e.g. mentions or hashtags) which may be present.

License Apache License (>= 2)

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.1

Imports tibble, V8

Repository <https://wurli.r-universe.dev>

RemoteUrl <https://github.com/wurli/tweetcheck>

RemoteRef HEAD

RemoteSha 6f0f5852da2b9535cf0c82cc1998168837da0ffe

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tweet_autolink	<i>Perform tweet autolinking</i>
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Description

Perform tweet autolinking

Usage

```
tweet_autolink(x)
```

Arguments

x A character vector of tweets to be autolinked

Value

A character vector giving the HTML which would be used by Twitter if x were posted as a tweet.

Examples

```
tweet_autolink(c(
  "Tweet with no links",
  "Tweet with a normal link: https://www.r-project.org",
  "Tweet with a mention @hadleywickham",
  "Tweet with a hastag: #RStats",
  "Tweet with a cashtag: $RSTATS"
))
```

tweet_get_mentions *Extract mentions from a tweet*

Description

Extract mentions from a tweet

Usage

```
tweet_get_mentions(x)
```

Arguments

x A character vector of tweets to extract mentions for

Value

A list with `length(x)` elements, where each element is a character vector of mentions. Mentions have the '@' character removed.

Examples

```
tweet_get_mentions(c("No mentions", "One mention @_wurli"))
```

`tweet_info`*Parse a tweet*

Description

These functions can be used to validate tweets before posting.

Usage`tweet_info(x)``tweet_permillage(x)``tweet_weighted_length(x)``tweet_is_valid(x)``tweet_valid_range_start(x)``tweet_valid_range_end(x)``tweet_display_range_start(x)``tweet_display_range_end(x)`**Arguments**

`x` A character vector of tweet

Details

- `tweet_info()`: <tbl_df> with columns for all the following fields, as well as a column `tweet` giving the original text. Note that this function is called internally by all of the following, so it may be more efficient to store this result and extract columns as needed.
- `tweet_permillage()`: <numeric> indicating the number of characters used as a proportion of the maximum number of characters allowed. I.e. this will be > 0 and <= 1 for valid tweets.
- `tweet_weighted_length()`: <integer> indicating the 'length' of the tweet according to Twitter's parsing rules. The maximum allowed length is 280 characters.
- `tweet_is_valid()`: <logical> indicating whether or not the tweet is valid according to Twitter's parsing rules
- `tweet_valid_range_start()/tweet_valid_range_end()`: <integer> indicating the index of the first/last characters of the valid range of a tweet
- `tweet_display_range_start()/tweet_display_range_end()`: <integer> indicating the index of the first/last characters of the display range of a tweet

Value

tweet_info() returns a dataframe with length(x) rows. The other functions return integer/numeric vectors with length(x) elements.

See Also

[tweet_get_mentions\(\)](#) and [tweet_autolink\(\)](#)

Examples

```
tweets <- c(
  "This is a first tweet. Simple!",
  "This tweet tags @hadleywickham and @wurli",
  "This tweet links {rtweet}: https://docs.ropensci.org/rtweet/",
  "Emojis take up two characters \U1F600\U1F600\U1F600",
  strrep("This tweet is way too long! ", 20)
)

# Dataframe summarising all of the following
tweet_info(tweets)

# Ratio of used characters to allowed characters
tweet_permillage(tweets)

# Length of the tweet (according to Twitter's rules):
tweet_weighted_length(tweets)

# Logical indicating tweet validity:
tweet_is_valid(tweets)

# Valid range of a tweet
tweet_valid_range_start(tweets)
tweet_valid_range_end(tweets)

# Display range of a tweet
tweet_display_range_start(tweets)
tweet_display_range_end(tweets)
```

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