Package: clamour (via r-universe)

September 10, 2024

Type Package

Title Website for Twitter analysis results

Version 0.1.0

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Description clamour provides a template for setting up a website to display the results of analysis of Twitter hashtags.

URL <https://github.com/lazappi/clamour>

BugReports <https://github.com/lazappi/clamour/issues>

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Encoding UTF-8

LazyData true

Depends R (>= 3.5)

Imports fs, usethis, rmarkdown, magrittr, rtweet, dplyr, lubridate, rlang

Suggests spelling, testthat (>= 2.1.0), knitr, covr

VignetteBuilder knitr

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.1

Language en-GB

Repository https://lazappi.r-universe.dev

RemoteUrl https://github.com/lazappi/clamour

RemoteRef HEAD

RemoteSha a34f53ae293288bbe3be835f0a8c3efc6b11ed58

Contents

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clamour_list   *clamour list*

Description

Produce a Markdown string with details of all the clamour analysis files in a directory. This function is primarily designed to be used in the index of a website so the list is automatically updated.

Usage

```
clamour_list(path = ".", ignore = c("index.Rmd", "about.Rmd", "_analysis.Rmd"))
```

Arguments

path	Path to directory to search for `.Rmd` files
ignore	Vector or files to ignore

Value

Markdown string describing analysis files

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clamour_load_tweets   *Load tweets*

Description

Load tweets for a clamour analysis

Usage

```
clamour_load_tweets(
  query,
  cache_file = NULL,
  timezone = Sys.timezone(),
  fixed = FALSE
)
```

Arguments

query	Query string to use for collecting new tweets.
cache_file	Path to an .Rds file to store cached tweets.
timezone	Time zone associated with tweets.
fixed	If TRUE only read tweets from cache and do not download new tweets.

Details

If a cache file exists tweets will first be read from here. New tweets will also be downloaded if
fixed = FALSE. Cached and new tweets are combined and only the most recent version of each
tweet is kept. Additional datetime, date and hour fields are created using the supplied timezone.

Value

tibble containing tweets

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clamour_new   *New clamour analysis*

Description

Creates a new analysis file based on the clamour template.

Usage

```
clamour_new(
  name,
  hashtag,
  description = paste("An analysis of", hashtag),
  start_day = Sys.Date(),
  end_day = Sys.Date() + 1,
  timezone = Sys.timezone(),
  theme = "theme_light",
  accent = "dodgerblue",
  accent2 = NULL,
  kcore = 2,
  topics_k = 6,
  bigram_filter = 3,
  fixed = FALSE,
  seed = 1,
  dir = "analysis"
)
```

Arguments

`name`	Name of the analysis. This is used to name files so should usually be short and simple.
`hashtag`	The hashtag to use for this analysis, starting with "#". Can also be a vector of hashtags.
`description`	A more detailed description of the analysis, details of the event etc.
`start_day`	First day to be included in the analysis.
`end_day`	Last day to be included in the analysis.
`timezone`	Timezone to be used for the analysis.
`theme`	Name of a [ggplot2](#) theme function to use for plots.
`accent`	Accent colour to use for plots.
`accent2`	Secondary accent colour to use for plots. If `NULL` this will be created based on `accent`.
`kcore`	k-core to use for filtering the mentions network.
`topics_k`	Number of topics to use for topic modelling.
`bigram_filter`	Number of co-occurrences for filtering the bigram graph.
`fixed`	Whether to continue to search and download new tweets. Set to `TRUE` to fix the dataset used for analysis.
`seed`	Random seed set at the start of analysis.
`dir`	Directory to save the new analysis file.

Value

Path to the newly created file, invisibly

`clamour_setup`	*Setup a clamour project*

Description

This function creates the directory structure necessary for analysing Twitter hashtag activity and displaying the results on a website. It will also prompt you to install packages required by the default analysis and to authorise [rtweet](#).

Usage

```
clamour_setup(path, rstudio = rstudioapi::isAvailable(), open = interactive())
```

Arguments

`path`	A path for the project. If it exists it will be used. If it does exist it will be created, provided the parent path exists.
`rstudio`	If TRUE, calls [usethis::use_rstudio()](#) to make the new project into an [RStudio Project](#). If FALSE a sentinel `.here` file is placed so that the directory can be recognized as a project by the [here](#) or [rprojroot](#) packages.
`open`	If TRUE, [activates](#) the new project: - If using RStudio desktop, the package is opened in a new session. - If on RStudio server, the current RStudio project is activated. - Otherwise, the working directory and active project is changed.

Value

Path to the newly created project, invisibly.

References

Based on [usethis::create_package()](#)

`clamour_table`	*clamour table*

Description

Read the YAML front matter from a set of clamour analysis files and produce a tidy data.frame.

Usage

```
clamour_table(
  path = ".",
  ignore = c("index.Rmd", "about.Rmd", "_analysis.Rmd")
)
```

Arguments

`path`	Path to directory to search for `.Rmd` files
`ignore`	Vector or files to ignore

Value

data.frame containing information on analysis files

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