

Package ‘contribution’

July 22, 2025

Type Package

Title A Tiny Contribution Table Generator Based on 'ggplot2'

Version 0.2.2

Maintainer Shixiang Wang <w_shixiang@163.com>

Description Contribution table for credit assignment based on 'ggplot2'.

This can improve the author contribution information in academic journals and personal CV.

URL <https://github.com/openbiox/contribution>

BugReports <https://github.com/openbiox/contribution/issues>

License MIT + file LICENSE

Depends R (>= 3.5)

Imports dplyr, ggplot2, tidyr, rlang, magrittr, gh

Encoding UTF-8

LazyData true

RoxygenNote 7.1.2

Suggests knitr, rmarkdown, prettydoc

VignetteBuilder knitr

NeedsCompilation no

Author Shixiang Wang [aut, cre] (ORCID:
<<https://orcid.org/0000-0001-9855-7357>>)

Repository CRAN

Date/Publication 2022-03-23 16:00:08 UTC

Contents

CRediT	2
demo	2
generate	3
palette	5
pull_github	5
pull_github_limit	6
show_palette	7

Index	8
--------------	----------

CRediT	<i>CRediT</i>
--------	---------------

Description

CRediT

Format

A data.frame

Source

See <https://casrai.org/credit/>

Examples

```
data("CRediT")
```

demo	<i>A demo for plotting contribution table</i>
------	---

Description

A demo for plotting contribution table

Format

A data.frame

Source

See data_raw directory

Examples

```
data("demo")
```

generate	<i>Generate contribution table</i>
----------	------------------------------------

Description

Generate contribution table

Usage

```
generate(  
  data,  
  color_map = c("white", "grey", "black"),  
  palette_name = "github",  
  sort = FALSE,  
  show_legend = FALSE,  
  title = NULL,  
  xlab = NULL,  
  ylab = NULL,  
  caption = NULL,  
  tag = NULL,  
  font_size_x = 16,  
  font_size_y = 16,  
  text_angle_x = 30,  
  text_angle_y = 0,  
  hjust_x = 0.2,  
  hjust_y = 1,  
  vjust_x = 1,  
  vjust_y = 0.5,  
  coord_ratio = 1  
)
```

Arguments

data	a data.frame. e.g. data("demo").
color_map	color map for discrete order, either a length-3 vector for 3 contribution level: None, Minor and Major; or a Scale object like scale_fill_brewer(palette="Oranges").
palette_name	palette_name for plotting continuous contributions. See show_palette for available options.
sort	if TRUE, sort the plot to make sure the plot is similar what input.
show_legend	if TRUE, show figure legend.
title	The text for the title.
xlab	x axis label.
ylab	y axis label.

caption	The text for the caption which will be displayed in the bottom-right of the plot by default.
tag	The text for the tag label which will be displayed at the top-left of the plot by default.
font_size_x	font size for x.
font_size_y	font size for y.
text_angle_x	text angle for x.
text_angle_y	text angle for y.
hjust_x	hjust for x axis text.
hjust_y	hjust for y axis text.
vjust_x	vjust for x axis text.
vjust_y	vjust for y axis text.
coord_ratio	coordinate ratio.

Value

a ggplot2 object

Examples

```
library(contribution)
library(ggplot2)

# Paper contributions
generate(demo)
generate(demo, text_angle_x = 20, color_map = scale_fill_brewer(palette = "Oranges"))

# Github project contributions
my_contr <- dplyr::tibble(
  repo = c("UCSCXenaTools", "maftools"),
  owner = c("ShixiangWang", "PoisonAlien"),
  username = "ShixiangWang",
  role = c("Developer", "Contributor")
)

my_contr

contr_tb <- pull_github(data = my_contr)
contr_tb

generate(contr_tb, show_legend = TRUE, hjust_x = 0)
generate(contr_tb,
  show_legend = TRUE, hjust_x = 0,
  palette_name = "psychedelic"
)
```

palette	<i>palette</i>
---------	----------------

Description

palette

Format

A data.frame

Source

See <https://github.com/williambelle/github-contribution-color-graph>

Examples

```
data("palette")
```

pull_github	<i>Pull contributions from GitHub</i>
-------------	---------------------------------------

Description

Pull contributions from GitHub

Usage

```
pull_github(  
  data = NULL,  
  repo = NULL,  
  owner = NULL,  
  username = NULL,  
  role = NULL,  
  report_lines = FALSE,  
  type = c("all", "add", "del"),  
  .token = NULL  
)
```

Arguments

data	a data.frame contains columns 'repo', 'owner', 'username' and 'role'. You can also pass them one by one to the following parameters.
repo	repository name.
owner	repository owner.
username	username to pull.
role	user role in this repository.
report_lines	if TRUE, report contributed lines.
type	'all' for the sum of number of additions and deletions, 'add' for the number of additions and 'del' for the number of deletions.
.token	Authentication token. See pull_github_limit() .

Value

a 'data.frame'

Examples

```
pull_github(
  repo = "UCSCXenaTools", owner = "ShixiangWang",
  username = "ShixiangWang", role = "developer"
)
```

pull_github_limit	<i>Pull GitHub API limit for current user</i>
-------------------	---

Description

For unauthenticated requests, the rate limit allows for up to 60 requests per hour. For API requests using Basic Authentication or OAuth, you can make up to 5000 requests per hour. Here we use token to manage this. Obtain a personal access token (PAT) from here: <https://github.com/settings/tokens>.

Usage

```
pull_github_limit(.token = NULL)
```

Arguments

.token	Authentication token.
--------	-----------------------

Details

Typically, you can set GITHUB_PAT variable in your .Renviron file using the following format:

```
GITHUB_PAT=8c70fd8419398999c9ac5bacf3192882193cadf2
```

You can also set it in your .Rprofile file using the following format:

```
Sys.setenv(GITHUB_PAT="8c70fd8419398999c9ac5bacf3192882193cadf2")
```

For more on what to do with the PAT, see [gh::gh_whoami](#).

Value

a list.

Examples

```
pull_github_limit()
```

show_palette

Show supported palette

Description

A modified version of [plot.lisa_palette](#).

Usage

```
show_palette()
```

Value

NULL

Examples

```
show_palette()
```

Index

CReditT, [2](#)

demo, [2](#)

generate, [3](#)

gh::gh_whoami, [7](#)

palette, [5](#)

pull_github, [5](#)

pull_github_limit, [6](#)

pull_github_limit(), [6](#)

show_palette, [3](#), [7](#)