

Package ‘contribution’

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Type Package

Title A Tiny Contribution Table Generator Based on 'ggplot2'

Version 0.2.2

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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>

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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

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Repository CRAN

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`CReditT`*CReditT*

Description`CReditT`**Format**A `data.frame`**Source**See <https://casrai.org/credit/>**Examples**`data("CReditT")`

`demo`*A demo for plotting contribution table*

Description

A demo for plotting contribution table

FormatA `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 <code>pull_github_limit()</code> . |

Value

a 'data.frame'

Examples

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

pull_github_limit *Pull GitHub API limit for current user*

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 | <i>Show supported palette</i> |
|--------------|-------------------------------|

Description

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

Usage

```
show_palette()
```

Value

NULL

Examples

```
show_palette()
```

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