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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Contents

CRediT *CRediT*

Description

CRediT

Format

A data.frame

Source

See https://casrai.org/credit/

Examples

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

---

demo *A demo for plotting contribution table*

Description

A demo for plotting contribution table

Format

A data.frame

Source

See data_raw directory

Examples

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

`generate` *Generate contribution table*

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 *palette*

Description

palette

Format

A data.frame

Source

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

Examples

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

pull_github *Pull contributions from GitHub*

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 *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` *Show supported palette*

Description

A modified version of plot.lisa_palette.

Usage

```
show_palette()
```

Value

`NULL`

Examples

```
show_palette()
```

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