Package ‘contribution’

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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)
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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 contribution table**

**Description**
Generate contribution table

**Usage**

```r
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"
)
```
Description

palette

Format

A data.frame

Source

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

Examples

data("palette")

# pull_github

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

```r
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](https://github.com/settings/tokens).

Usage

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

Arguments

- **.token**: Authentication token.
show_palette

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()

tabular(show_palette)

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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