Package ‘contribution’
March 23, 2022

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
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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")
Description
Generate contribution table

Usage

genenerate(
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 to 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

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

```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=8c70fd8419398999e9ac5bacf3192882193cadf2
You can also set it in your .Rprofile file using the following format:
Sys.setenv(GITHUB_PAT="8c70fd8419398999e9ac5bacf3192882193cadf2")
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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