

# Package ‘contribution’

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**Type** Package

**Title** A Tiny Contribution Table Generator Based on 'ggplot2'

**Version** 0.1.0

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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/ShixiangWang/contribution>

**BugReports** <https://github.com/ShixiangWang/contribution/issues>

**License** MIT + file LICENSE

**Depends** R (>= 3.5)

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

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.1.1

**Suggests** knitr, rmarkdown, prettydoc

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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## R topics documented:

CRediT	2
demo	2
generate	3
palette	4
pull_github	5
pull_github_limit	6
show_palette	6

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CRediT

*CRediT*

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**Description**

CRediT

**Format**

A data.frame

**Source**

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

**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", 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

<code>data</code>	a <code>data.frame</code> . e.g. <code>data("demo")</code> .
<code>color_map</code>	color map for discrete order, either a length-3 vector for 3 contribution level: <code>None</code> , <code>Minor</code> and <code>Major</code> ; or a <code>Scale</code> object like <code>scale_fill_brewer(palette = "Oranges")</code> .
<code>palette_name</code>	<code>palette_name</code> for plotting continuous contributions. See <code>show_palette</code> for available options.
<code>show_legend</code>	if <code>TRUE</code> , show figure legend.
<code>title</code>	The text for the title.
<code>xlab</code>	x axis label.
<code>ylab</code>	y axis label.
<code>caption</code>	The text for the caption which will be displayed in the bottom-right of the plot by default.
<code>tag</code>	The text for the tag label which will be displayed at the top-left of the plot by default.
<code>font_size_x</code>	font size for x.
<code>font_size_y</code>	font size for y.
<code>text_angle_x</code>	text angle for x.
<code>text_angle_y</code>	text angle for y.
<code>hjust_x</code>	<code>hjust</code> for x axis text.
<code>hjust_y</code>	<code>hjust</code> for y axis text.
<code>vjust_x</code>	<code>vjust</code> for x axis text.
<code>vjust_y</code>	<code>vjust</code> for y axis text.
<code>coord_ratio</code>	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")
```

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pull_github	<i>Pull contributions from GitHub</i>
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**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 <code>data.frame</code> 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()
```

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`show_palette` *Show supported palette*

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### Description

A modified version of `plot.lisa_palette`<sup>1</sup>.

### Usage

```
show_palette()
```

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<sup>1</sup><https://github.com/tyluRp/lisa/blob/master/R/utils.R>

*show\_palette*

7

**Value**

NULL

**Examples**

```
show_palette()
```