Package: ggcolormeter (via r-universe)

October 10, 2026

Type Package

Title Colormeter Guide Extension

Version 0.2.0

Description A 'ggplot2' guide extension for fill and color scales in the style of a dashboard meter. The dashboard legend maps onto continuous aesthetics and can be customized for its dimensions and the style of its various components including the labels and frames. Fine-grained control over the positioning of dashboard components is possible via an option to expose the legend-internal coordinate system.

License MIT + file LICENSE

URL https://github.com/yjunechoe/ggcolormeter, https://github.com/yjunechoe/ggcolormeter/issues, https://yjunechoe.github.io/ggcolormeter/

BugReports https://github.com/yjunechoe/ggcolormeter/issues

Depends ggplot2, R (>= 4.1)

Imports grid (>= 4.1), gtable, polyclip

Suggests ggtext, scales

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.3

Repository https://yjunechoe.r-universe.dev

Date/Publication 2024-09-20 00:36:44 UTC

RemoteUrl https://github.com/yjunechoe/ggcolormeter

RemoteRef HEAD

RemoteSha 30f5b3a1b9ed66dc91f7ef86d53d99bbffb3c469

Contents

guide_colormeter 2

Index **5**

`guide_colormeter` *A color legend in the style of a dashboard meter*

Description

A color legend in the style of a dashboard meter

Usage

```
guide_colormeter(
  title = ggplot2::waiver(),
  title.theme = NULL,
  label.theme = NULL,
  legend_size = unit(5, "lines"),
  legend_padding = unit(c(1.2, 1, 0.3, 1), "lines"),
  title_position = c(0, 0),
  arc_range = c(-4/7 * pi, 4/7 * pi),
  arc_radius = 1,
  arc_width = arc_radius/4,
  arc_gap = arc_radius/5,
  arc_rounding = 0,
  label_radius = arc_radius * 1.25,
  dashboard_radius = label_radius * 1.2,
  dashboard_color = "black",
  dashboard_fill = NA,
  dashboard_linewidth = 0.5,
  dashboard_linetype = 1,
  clip_dashboard = TRUE,
  close_dashboard = clip_dashboard,
  frame_color = NA,
  frame_linewidth = 0.5,
  frame_linetype = 1,
  aspect.ratio = 1,
  show.limits = NULL,
  debug = FALSE,
  reverse = FALSE,
  available_aes = c("colour", "color", "fill"),
  ...
)
```

Arguments

title	A character string or expression indicating a title of guide. If NULL, the title is not shown. By default (waiver()), the name of the scale object or the name specified in labs() is used for the title.
title.theme	A theme object for rendering the title text. Usually the object of element_text() is expected. By default, the theme is specified by legend.title in theme() or theme.
label.theme	A theme object for rendering the label text. Usually the object of element_text() is expected. By default, the theme is specified by legend.text in theme().
legend_size	Size of the legend box.
legend_padding	Spacing between the color meter and the legend boundary.
title_position	<legend-coords> 2-length vector for the x/y-position of the legend title.
arc_range	<legend-coords> 2-length vector for the start and end angles of the color meter.
arc_radius	<legend-coords> Radius of the color meter.
arc_width	<legend-coords> Width of the arcs in the color meter.
arc_gap	<legend-coords> Gap between arcs in the color meter.
arc_rounding	<legend-coords> Rounding of arcs in the color meter.
label_radius	<legend-coords> Radius of the labels.
dashboard_radius	<legend-coords> Radius of the dashboard background.
dashboard_color	Dashboard background color.
dashboard_fill	Dashboard background fill.
dashboard_linewidth	Dashboard background line width.
dashboard_linetype	Dashboard background line type.
clip_dashboard	Whether the dashboard circle should clip to the legend boundary.
close_dashboard	Whether the dashboard should be closed where it meets the legend boundary.
frame_color	Color of the frame drawn around the arcs.
frame_linewidth	Width of the frame drawn around the arcs.
frame_linetype	Line type of the frame drawn around the arcs.
aspect.ratio	Aspect ratio for the legend.
show.limits	Logical. Should the limits of the scale be shown with labels and ticks. Default is NULL meaning it will take the value from the scale. This argument is ignored if labels is given as a vector of values. If one or both of the limits is also given in breaks it will be shown irrespective of the value of show.limits.
debug	If TRUE, axes and origin for <legend-coords> are drawn over the legend for debugging.

`reverse`	logical. If `TRUE` the colourbar is reversed. By default, the highest value is on the top and the lowest value is on the bottom
`available_aes`	A vector of character strings listing the aesthetics for which a colourbar can be drawn.
`...`	Ignored.

Value

A guide object of class 'colormeter'

Examples

```
library(ggplot2)
# A standard plot
p <- ggplot(mtcars, aes(drat, hp)) +
  geom_point(aes(color = mpg))
# Colormeter guide for color scale
p +
  scale_color_viridis_c(
    option = "inferno",
    breaks = scales::breaks_pretty(10),
    guide = guide_colormeter()
  )
```

Index

element_text(), *3*

guide_colormeter, 2

labs(), *3*

theme(), *3*

waiver(), *3*