

Package ‘gghighlight’

December 16, 2023

Type Package

Title Highlight Lines and Points in 'ggplot2'

Version 0.4.1

Description Make it easier to explore data with highlights.

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URL <https://yutannihilation.github.io/gghighlight/>,
<https://github.com/yutannihilation/gghighlight/>

BugReports <https://github.com/yutannihilation/gghighlight/issues>

Depends ggplot2 (>= 3.3.6), R (>= 3.4.0)

Imports dplyr (>= 1.0.4), ggrepel, lifecycle, purrr, rlang, tibble

Suggests geomtextpath, knitr, rmarkdown, sf, testthat, vdiff (>= 0.3.0)

VignetteBuilder knitr

RdMacros lifecycle

Encoding UTF-8

RoxygenNote 7.2.3

Config/testthat/edition 3

NeedsCompilation no

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gghighlight-package *Highlight Lines and Points in 'ggplot2'*

Description

Make it easier to explore data with highlights.

gghighlight *Highlight Data With Predicate*

Description

gghighlight() highlights (almost) any geoms according to the given predicates.

Usage

```
gghighlight(
  ...,
  n = NULL,
  max_highlight = 5L,
  unhighlighted_params = list(),
  use_group_by = NULL,
  use_direct_label = NULL,
  label_key = NULL,
  label_params = list(fill = "white"),
  keep_scales = FALSE,
  calculate_per_facet = FALSE,
  line_label_type = c("ggrepel_label", "ggrepel_text", "text_path", "label_path",
    "sec_axis"),
  unhighlighted_colour = NULL
)
```

Arguments

... Expressions to filter data, which is passed to `dplyr::filter()`.

n Number of layers to clone.

max_highlight Max number of series to highlight.

unhighlighted_params Aesthetics (e.g. colour, fill, and size) for unhighlighted geoms. Specifying colour = NULL or fill = NULL will preserve the original colour.

use_group_by If TRUE, use `dplyr::group_by()` to evaluate predicate.

use_direct_label If TRUE, add labels directly on the plot instead of using a legend.

label_key	Column name for label aesthetics.
label_params	A list of parameters, which is passed to <code>ggrepel::geom_label_repel()</code> .
keep_scales	If TRUE, keep the original data with <code>ggplot2::geom_blank()</code> so that the highlighted plot has the same scale with the data.
calculate_per_facet	(Experimental) If TRUE, include the facet variables to calculate the grouping; in other words, highlighting is done on each facet individually.
line_label_type	(Experimental) Method to add labels (or texts) on the highlighted lines. "ggrepel_label" Use <code>ggrepel::geom_label_repel()</code> . "ggrepel_text" Use <code>ggrepel::geom_text_repel()</code> . "text_path" Use <code>geomtextpath::geom_textline()</code> for lines and <code>geomtextpath::geom_textpath()</code> for paths. "label_path" Use <code>geomtextpath::geom_labelline()</code> for lines and <code>geomtextpath::geom_labelpath()</code> for paths. "sec_axis" Use secondary axis. Please refer to Simon Jackson's blog post for the trick.
unhighlighted_colour	(Deprecated) Colour for unhighlighted geoms.

Examples

```
d <- data.frame(
  idx = c(1, 1, 1, 2, 2, 2, 3, 3, 3),
  value = c(1, 2, 3, 10, 11, 12, 9, 10, 11),
  category = rep(c("a", "b", "c"), 3),
  stringsAsFactors = FALSE
)

# Highlight the lines whose max values are larger than 10
ggplot(d, aes(idx, value, colour = category)) +
  geom_line() + gghighlight(max(value) > 10)

# Highlight the points whose values are larger than 10
ggplot(d, aes(idx, value)) +
  geom_point() +
  gghighlight(value > 10, label_key = category)

# Specify the styles for unhighlighted layer
ggplot(d, aes(idx, value, colour = category)) +
  geom_line(linewidth = 5) +
  gghighlight(max(value) > 10,
    unhighlighted_params = list(linewidth = 1)
  )
```

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