

Package ‘gghighlight’

January 25, 2020

Type Package

Title Highlight Lines and Points in 'ggplot2'

Version 0.2.0

Description Make it easier to explore data with highlights.

License MIT + file LICENSE

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

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

Depends ggplot2 (>= 3.0.0),
R (>= 3.2.0)

Imports dplyr (> 0.7.0),
tibble,
ggrepel,
magrittr,
purrr,
rlang,
scales,
lifecycle

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

VignetteBuilder knitr

RdMacros lifecycle

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.0.2

R topics documented:

gghighlight-package	2
gghighlight	2

Index	4
-------	---

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

Description

Make it easier to explore data with highlights.

gghighlight *Highlight Data With Predicate*

Description

Maturing

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,
  unhighlighted_colour = NULL
)
```

Arguments

...	Expressions to filter data, which is passed to <code>dplyr::filter()</code> .
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.
use_group_by	If TRUE, use <code>dplyr::group_by()</code> 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.
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(size = 5) +
  gghighlight(max(value) > 10,
    unhighlighted_params = list(size = 1)
  )
)
```

Index

`dplyr::filter()`, 2
`dplyr::group_by()`, 2

`gghighlight`, 2
`gghighlight-package`, 2
`ggplot2::geom_blank()`, 2
`ggrepel::geom_label_repel()`, 2