

Package ‘gghighlight’

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Type Package

Title Highlight Lines and Points in 'ggplot2'

Version 0.1.0

Description Make it easier to explore data with highlights.

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

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

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Encoding UTF-8

Depends ggplot2 (>= 3.0.0), R (>= 3.1.0)

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

LazyData true

RoxygenNote 6.0.1.9000

Suggests testthat, knitr, rmarkdown

VignetteBuilder knitr

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_colour = ggplot2::alpha("grey", 0.7), use_group_by = NULL,
  use_direct_label = NULL, label_key = NULL, label_params = list(fill =
  "white"))
```

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_colour
 Colour for unhighlighted geoms.

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 `ggrepel::geom_label_repel()`.

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)

```

gghighlight-old

*Highlight Data With Predicate***Description**

`gghighlight_line()` and `gghighlight_point()` are deprecated. Please use `gghighlight()` instead.

Usage

```

gghighlight_line(data, mapping, predicate, max_highlight = 5L,
  unhighlighted_colour = ggplot2::alpha("grey", 0.7), use_group_by = TRUE,
  use_direct_label = TRUE, label_key = NULL, ...,
  environment = parent.frame())

gghighlight_point(data, mapping, predicate, max_highlight = 5L,
  unhighlighted_colour = ggplot2::alpha("grey", 0.7), use_group_by = FALSE,
  use_direct_label = TRUE, label_key = NULL, ...,
  environment = parent.frame())

```

Arguments

| | |
|-----------------------------------|--|
| <code>data</code> | Default dataset to use for plot. If not already a data.frame, will be converted to one by <code>fortify()</code> . If not specified, must be supplied in each layer added to the plot. |
| <code>mapping</code> | Default list of aesthetic mappings to use for plot. If not specified, must be supplied in each layer added to the plot. |
| <code>predicate</code> | Expression to filter data, which is passed to <code>dplyr::filter()</code> . |
| <code>max_highlight</code> | Max number of series to highlight. |
| <code>unhighlighted_colour</code> | Colour for unhighlighted lines/points. |
| <code>use_group_by</code> | If TRUE, use <code>dplyr::group_by()</code> to evaluate predicate. |
| <code>use_direct_label</code> | If TRUE, add labels directly on the plot instead of using a legend. |
| <code>label_key</code> | Column name for label aesthetics. |
| <code>...</code> | Arguments passed to the corresponding geometry functions (e.g. <code>geom_line()</code>). |
| <code>environment</code> | DEPRECATED. Used prior to tidy evaluation. |

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