

Package ‘ggfocus’

January 7, 2019

Type Package

Title Focus on Specific Factor Levels in your ggplot()

Version 0.9

Author Victor Freguglia

Maintainer Victor Freguglia <victorfreguglia@gmail.com>

BugReports <https://github.com/Freguglia/ggfocus/issues>

URL <https://github.com/Freguglia/ggfocus>

Description A 'ggplot2' extension that provides tools for automatically focusing specific factor levels.

License MIT + file LICENSE

Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

Depends ggplot2

Imports magrittr, dplyr, rlang, RColorBrewer

Suggests knitr, rmarkdown, gapminder, ggmap

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

Date/Publication 2019-01-07 18:40:06 UTC

R topics documented:

ggfocus	2
scale_alpha_focus	3
scale_color_focus	3
scale_fill_focus	4

Index	5
--------------	----------

ggfocus

ggfocus

Description

ggfocus

Usage

```
ggfocus(p, var, focus_levels, focus_aes = c("color", "alpha", "fill"),
  color_focus = NULL, color_other = "black", alpha_focus = 1,
  alpha_other = 0.05)
```

Arguments

<code>p</code>	a ggplot object
<code>var</code>	variable that levels are to be highlighted.
<code>focus_levels</code>	levels to be highlighted.
<code>focus_aes</code>	list of aesthetics used to highlight. "color", "alpha" and "fill" are available.
<code>color_focus</code>	vector of colors (or a single color) for focused levels.
<code>color_other</code>	color for non-focused levels.
<code>alpha_focus</code> , <code>alpha_other</code>	alpha value for focused and non-focused levels.

Value

a ggplot object with focusing scales.

Author(s)

Victor Freguglia

Examples

```
library(ggplot2)
p <- ggplot(iris, aes(x=Sepal.Length, y=Petal.Length)) + geom_point()
ggfocus(p, Species, "versicolor")
```

scale_alpha_focus	<i>scale_color_focus</i>
-------------------	--------------------------

Description

Alpha scale that focus specific factor levels. This is an alternative use of [ggfocus](#) function that uses the usual grammar of graphics.

Usage

```
scale_alpha_focus(focus_levels, alpha_focus = 1, alpha_other = 0.05)
```

Arguments

`focus_levels` character vector with levels to focus.
`alpha_focus` 'alpha' for focused levels.
`alpha_other` 'alpha' for other levels.

Examples

```
p <- ggplot(iris, aes(x = Petal.Length, y = Sepal.Length, alpha = Species)) + geom_point() +  
  scale_alpha_focus(focus_levels = "versicolor")  
# Note this gives a warning because alpha doesn't always make sense with categorical variables.
```

scale_color_focus	<i>scale_color_focus</i>
-------------------	--------------------------

Description

Color scale for 'color' aesthetics. This is an alternative use for [ggfocus](#) that uses the usual grammar of graphics.

Usage

```
scale_color_focus(focus_levels, color_focus = NULL,  
  color_other = "black")
```

Arguments

`focus_levels` character vector with levels to focus.
`color_focus` 'color' for focused levels.
`color_other` 'color' for other levels.

Examples

```
p <- ggplot(iris,aes(x = Petal.Length, y = Sepal.Length, color = Species)) + geom_point() +  
  scale_color_focus(focus_levels = "setosa", color_focus = "red")
```

scale_fill_focus	<i>scale_fill_focus</i>
------------------	-------------------------

Description

@description Color scale for 'fill' aesthetics. This is an alternative use for [ggfocus](#) that uses the usual grammar of graphics.

Usage

```
scale_fill_focus(focus_levels, color_focus = NULL,  
  color_other = "gray")
```

Arguments

focus_levels	character vector with levels to focus.
color_focus	'fill' color for focused levels.
color_other	'fill' color for other levels.

Examples

```
p <- ggplot(iris,aes(x = Petal.Length, group = Species, fill = Species)) + geom_histogram() +  
  scale_fill_focus(focus_levels = "versicolor", color_focus = "red")
```

Index

`ggfocus`, [2](#), [3](#), [4](#)

`scale_alpha_focus`, [3](#)

`scale_color_focus`, [3](#)

`scale_fill_focus`, [4](#)