Package 'ggbreak'

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Title Set Axis Break for 'ggplot2'
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scale_wrap

scale-wrap

Description

This scale function wraps a 'gg' plot over multiple rows to make plots with long x axes easier to read

Usage

```
scale_wrap(n)
```

Arguments

n

the number of subplot pieces.

Value

gg object

Examples

scale_x_break

scale_x_break

Description

Set an axis break point for a 'gg' plot

Usage

```
scale_x_break(
  breaks,
  scales = "fixed",
  ticklabels = NULL,
  expand = TRUE,
  space = 0.1
)
scale_y_break(
```

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```
breaks,
  scales = "fixed",
  ticklabels = NULL,
  expand = TRUE,
  space = 0.1
)
```

Arguments

breaks break point

scales relative width or height of subplots, default is "fixed". If scale is 'free', all

subplots have equal width or height. It also can be any number to set relative

width or height compare to first subplot.

ticklabels the axis labels to subplot, default is NULL.

expand default is TRUE, logical or a vector of range expansion constants used to add

some padding around the data to ensure that they are placed some distance away from the axes. Use the convenience function expansion() of ggplot2 to generate the values for the expand argument. The defaults are to expand the scale by 5% on each side for continuous variables. If it is logical, the TRUE means the default of ggplot2 (foregoing statement), and FALSE means no expand for the

plot.

space the blank space among the subplots after break, default is 0.1 (cm).

Details

This scale function set an axis break point for a 'gg' plot. Either 'x' and 'y' axes are supported. The result is still a 'gg' object and user can progressively add layers to it.

Value

gg object

Author(s)

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Examples

```
require(ggplot2 )
set.seed(2019-01-19)
d <- data.frame(
    x = 1:20,
    y = c(rnorm(5) + 4, rnorm(5) + 20, rnorm(5) + 5, rnorm(5) + 22)
)

p <- ggplot(d, aes(x, y)) + geom_col()
x <- p+scale_y_break(c(7, 17 ) )
print(x)</pre>
```

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scale_x_cut

scale_x_cut

Description

```
scale_x_cut
scale_y_cut
```

Usage

```
scale_x_cut(breaks, which = NULL, scales = NULL, expand = FALSE, space = 0.1)
scale_y_cut(breaks, which = NULL, scales = NULL, expand = FALSE, space = 0.1)
```

Arguments

breaks a numeric or numeric vector, the points to be divided

which integer, the position of subplots to scales, started from left to right or top to

bottom.

scales numeric, relative width or height of subplots.

expand default is FALSE, logical a vector of range expansion constants used to add some

> padding around the data to ensure that they are placed some distance away from the axes. Use the convenience function expansion() of ggplot2 to generate the values for the expand argument. The defaults are to expand the scale by 5% on each side for continuous variables. If it is logical, the TRUE means the default

of ggplot2 (foregoing statement), and FALSE means no expand for the plot.

the blank space among the subplots after cut, default is 0.1 (cm). space

Value

gg object

Examples

```
library(ggplot2)
library(ggbreak)
set.seed(2019-01-19)
d <- data.frame(</pre>
     x = 1:20,
     y = c(rnorm(5) + 4, rnorm(5) + 20, rnorm(5) + 5, rnorm(5) + 22)
p <- ggplot(d, aes(x, y)) + geom_col()</pre>
p + scale_y_cut(breaks=c(7, 18), which=c(1, 3), scales=c(3, 0.5))
```

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