

# Package ‘ggbreak’

September 6, 2021

**Title** Set Axis Break for 'ggplot2'

**Version** 0.0.5

**Description** An implementation of scale functions for setting axis breaks of a 'gg' plot.

**Imports** grid, ggplot2, ggplotify (>= 0.0.7), aplot, rlang, stats

**Suggests** knitr, prettydoc, rmarkdown, patchwork

**VignetteBuilder** knitr

**License** Artistic-2.0

**Encoding** UTF-8

**URL** <https://github.com/YuLab-SMU/ggbreak>

**RoxygenNote** 7.1.1

**NeedsCompilation** no

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**Repository** CRAN

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scale_wrap	<i>scale_wrap</i> This scale function wraps a 'gg' plot over multiple rows to make plots with long x axes easier to read.
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### Description

scale\_wrap

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

```
library(ggplot2)
library(ggbreak)
p <- ggplot(economics, aes(x=date, y = unemploy, colour = uempmed)) +
  geom_line()
p + scale_wrap(n=4)
```

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scale_x_break	<i>scale_x_break</i>
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### Description

Set an axis break point for a 'gg' plot

### Usage

```
scale_x_break(breaks, scales = "fixed", ticklabels = NULL)
```

```
scale_y_break(breaks, scales = "fixed", ticklabels = NULL)
```

**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.

**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)
```

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scale\_x\_cut

*scale\_x\_cut*

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**Description**

scale\_x\_cut  
scale\_y\_cut

**Usage**

```
scale_x_cut(breaks, which = NULL, scales = NULL)

scale_y_cut(breaks, which = NULL, scales = NULL)
```

**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.

**Value**

gg object

**Examples**

```
library(ggplot2)
library(ggbreak)
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()
p + scale_y_cut(breaks=c(7, 18), which=c(1, 3), scales=c(3, 0.5))
```

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