Package 'ggblanket'

December 19, 2022

Title Simplify 'ggplot2' Visualisation

Version 1.6.2

Description Simplify 'ggplot2' visualisation with 'ggblanket' wrapper functions.

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URL https://davidhodge931.github.io/ggblanket/,

https://github.com/davidhodge931/ggblanket/

Encoding UTF-8

RoxygenNote 7.2.3

Imports dplyr, forcats, ggplot2 (>= 3.4.0), hms, lubridate, magrittr, purrr, rlang, scales, snakecase, stringr, tidyr, tidyselect, viridis

Suggests colorspace, ggdensity, ggiraph, ggtext, hexbin, knitr, palmerpenguins, pals, patchwork, rmarkdown, sf

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

Date/Publication 2022-12-19 10:40:02 UTC

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add_tooltip Add a tooltip column

Description

Add a tooltip column of united variable names and values.

Usage

add_tooltip(data, ..., titles = snakecase::to_sentence_case, name = "tooltip")

gg_area

Arguments

data	A data frame or tibble.
	Arguments passed to select (i.e unquoted variables, tidyselect helpers etc). If no arguments provided, uses all columns.
titles	A function to format the variable names, including in rlang lambda format.
name	The name of the column created. Defaults to "tooltip".

Value

A data frame or tibble with a column of text

Examples

```
library(ggplot2)
iris %>%
  add_tooltip() %>%
  head(1)
 iris %>%
  add_tooltip(tidyselect::contains("Sepal"), Species) %>%
  head(1)
if (requireNamespace("ggiraph", quietly = TRUE)) {
p <- iris %>%
  add_tooltip(tidyselect::contains("Sepal"), Species) %>%
  gg_blank(x = Sepal.Width,
           y = Sepal.Length,
           col = Species,
           facet = Species) +
  ggiraph::geom_point_interactive(aes(tooltip = tooltip))
  ggiraph::girafe(ggobj = p, width_svg = 5, height_svg = 4)
}
```

gg_area

Area ggplot

Description

Create a area ggplot with a wrapper around the ggplot2::geom_area function.

Usage

gg_area(
 data = NULL,
 x = NULL,
 y = NULL,

gg_area

```
col = NULL,
facet = NULL,
facet2 = NULL,
group = NULL,
stat = "align",
position = "identity",
clip = "on",
pal = NULL,
pal_na = "#7F7F7F",
alpha = 0.9,
...,
title = NULL,
subtitle = NULL,
x_breaks = NULL,
x_expand = NULL,
x_grid = NULL,
x_include = NULL,
x_labels = NULL,
x_limits = NULL,
x_sec_axis = ggplot2::waiver(),
x_title = NULL,
x_trans = "identity",
y_breaks = NULL,
y_expand = NULL,
y_grid = NULL,
y_include = NULL,
y_labels = NULL,
y_limits = NULL,
y_sec_axis = ggplot2::waiver(),
y_title = NULL,
y_trans = "identity",
col_breaks = NULL,
col_continuous = "gradient",
col_include = NULL,
col_labels = NULL,
col_legend_place = NULL,
col_legend_ncol = NULL,
col_legend_nrow = NULL,
col_legend_rev = FALSE,
col_limits = NULL,
col_rescale = NULL,
col_title = NULL,
col_trans = "identity",
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
```

gg_area

```
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
)
```

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_area function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.

y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of columns for the logand elements
col legend prow	The number of columns for the legend elements.
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".

gg_bar

facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

library(ggplot2)

gg_area(mtcars, x = wt, y = mpg) gg_area(mtcars, x = wt, y = mpg, col = cyl)

```
mtcars %>%
  dplyr::mutate(cyl = factor(cyl)) %>%
  gg_area(x = wt, y = mpg, col = cyl, size = 1)
gg_area(diamonds, x = carat, y = price, alpha = 0.01)
```

gg_bar

Bar ggplot

Description

Create a bar ggplot with a wrapper around the ggplot2::geom_bar function.

```
gg_bar(
  data = NULL,
  x = NULL,
  y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "count",
```

gg_bar

```
position = "stack",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.9,
  . . . ,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
 y_breaks = NULL,
 y_expand = NULL,
 y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

gg_bar

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_bar function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).

y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	
1 learned mass	The number of columns for the legend elements.
col_legend_nrow	The number of rows for the legend elements
col logond row	Payarsa the alaments of the lagend Defaults to EALSE
col limits	A vector to determine the limits of the colour scale
col rescale	For a continuous col variable, a vector to rescale the pal non-linearly
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use ""
coi_title	for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to $snakecase::to_sentence_case.$
theme	A ggplot2 theme.

gg_bin2d

Value

A ggplot object.

Examples

```
library(ggplot2)
gg_bar(mpg, x = class)
gg_bar(mpg, y = class)
gg_bar(mpg, x = class, col = drv)
gg_bar(mpg, y = class, col = drv, col_legend_place = "t")
```

|--|

Description

Create a bin2d ggplot with a wrapper around the ggplot2::geom_bin2d function.

```
gg_bin2d(
  data = NULL,
 x = NULL,
  y = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "bin2d",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
 y_breaks = NULL,
```

```
y_expand = NULL,
y_grid = NULL,
y_include = NULL,
y_labels = NULL,
y_limits = NULL,
y_sec_axis = ggplot2::waiver(),
y_title = NULL,
y_trans = "identity",
col_breaks = NULL,
col_continuous = "gradient",
col_include = NULL,
col_labels = NULL,
col_legend_place = NULL,
col_legend_ncol = NULL,
col_legend_nrow = NULL,
col_legend_rev = FALSE,
col_limits = NULL,
col_rescale = NULL,
col_title = NULL,
col_trans = "identity",
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
```

)

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.

• • •	Other arguments passed to the ggplot2::geom_bin2d function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	
	ine place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".

The number of columns for the legend elements.
The number of rows for the legend elements.
Reverse the elements of the legend. Defaults to FALSE.
A vector to determine the limits of the colour scale.
For a continuous col variable, a vector to rescale the pal non-linearly.
Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
The number of columns of facets. Only applies to a facet layout of "wrap".
The number of rows of facets. Only applies to a facet layout of "wrap".
Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
Caption title string.
A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
A ggplot2 theme.

Value

A ggplot object.

Examples

```
library(ggplot2)
```

diamonds %>%
 gg_bin2d(depth, price)

gg_blank

Description

Create a blank ggplot with a wrapper around the ggplot2::geom_blank function.

```
gg_blank(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  xmin = NULL,
  xmax = NULL,
  xend = NULL,
  xlower = NULL,
  xupper = NULL,
  xmiddle = NULL,
  ymin = NULL,
  ymax = NULL,
  yend = NULL,
  ylower = NULL,
  yupper = NULL,
  ymiddle = NULL,
  sample = NULL,
  label = NULL,
  subgroup = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  . . . ,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
```

gg_blank

```
x_title = NULL,
 x_trans = "identity",
 y_breaks = NULL,
 y_expand = NULL,
 y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme(),
  void = NULL
)
```

Arguments

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
xmin	Unquoted xmin aesthetic variable.
xmax	Unquoted xmax aesthetic variable.

gg_blank

xend	Unquoted xend aesthetic variable.
xlower	Unquoted xlower aesthetic variable.
xupper	Unquoted xupper aesthetic variable.
xmiddle	Unquoted xmiddle aesthetic variable.
ymin	Unquoted ymin aesthetic variable.
ymax	Unquoted ymax aesthetic variable.
yend	Unquoted yend aesthetic variable.
ylower	Unquoted ylower aesthetic variable.
yupper	Unquoted yupper aesthetic variable.
ymiddle	Unquoted ymiddle aesthetic variable.
sample	Unquoted sample aesthetic variable.
label	Unquoted label aesthetic variable.
subgroup	Unquoted subgroup aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
	Other arguments passed to the ggplot2::geom_blank function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.

y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce la
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of columns for the legand elements
col legend nrow	
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".

facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.
void	TRUE or FALSE of whether to remove axis lines, ticks and x and y titles and labels.

Value

A ggplot object.

Examples

library(ggplot2)

```
gg_blank(diamonds, x = carat)
gg_blank(diamonds, x = carat, binwidth = 0.01)
gg_blank(diamonds, x = carat, bins = 200)
gg_blank(diamonds, y = carat)
gg_blank(diamonds, x = price, col = cut)
gg_blank(diamonds, x = price, col = cut, position = "fill")
```

gg_boxplot

Boxplot ggplot

Description

Create a boxplot ggplot with a wrapper around the ggplot2::geom_boxplot function.

```
gg_boxplot(
  data = NULL,
  x = NULL,
  y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
```

```
xmin = NULL,
xlower = NULL,
xmiddle = NULL,
xupper = NULL,
xmax = NULL,
ymin = NULL,
ylower = NULL,
ymiddle = NULL,
yupper = NULL,
ymax = NULL,
stat = "boxplot",
position = "dodge2",
clip = "on",
pal = NULL,
pal_na = "#7F7F7F",
alpha = 0.5,
. . . ,
title = NULL,
subtitle = NULL,
x_breaks = NULL,
x_expand = NULL,
x_grid = NULL,
x_include = NULL,
x_labels = NULL,
x_limits = NULL,
x_sec_axis = ggplot2::waiver(),
x_title = NULL,
x_trans = "identity",
y_breaks = NULL,
y_expand = NULL,
y_{grid} = NULL,
y_include = NULL,
y_labels = NULL,
y_limits = NULL,
y_sec_axis = ggplot2::waiver(),
y_title = NULL,
y_trans = "identity",
col_breaks = NULL,
col_continuous = "gradient",
col_include = NULL,
col_labels = NULL,
col_legend_place = NULL,
col_legend_ncol = NULL,
col_legend_nrow = NULL,
col_legend_rev = FALSE,
col_limits = NULL,
col_rescale = NULL,
col_title = NULL,
```

```
col_trans = "identity",
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
)
```

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
xmin	Unquoted xmin aesthetic variable.
xlower	Unquoted xlower aesthetic variable.
xmiddle	Unquoted xmiddle aesthetic variable.
xupper	Unquoted xupper aesthetic variable.
xmax	Unquoted xmax aesthetic variable.
ymin	Unquoted ymin aesthetic variable.
ylower	Unquoted ylower aesthetic variable.
ymiddle	Unquoted ymiddle aesthetic variable.
yupper	Unquoted yupper aesthetic variable.
ymax	Unquoted ymax aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_boxplot function.
title	Title string.
subtitle	Subtitle string.

x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_place	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of columns for the larger delayers

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The number of columns for the legend elements.

col_legend_nrow

The number of rows for the legend elements.

col_legend_rev Reverse the elements of the legend. Defaults to FALSE.

- col_limits A vector to determine the limits of the colour scale.
- col_rescale For a continuous col variable, a vector to rescale the pal non-linearly.
- col_title Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
- col_trans For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
- facet_labels A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label", ...)).
- facet_ncol The number of columns of facets. Only applies to a facet layout of "wrap".
- facet_nrow The number of rows of facets. Only applies to a facet layout of "wrap".
- facet_scales Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
- facet_space Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
- facet_layout Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
- caption Caption title string.
- titles A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
- theme A ggplot2 theme.

Value

A ggplot object.

Examples

```
library(ggplot2)
gg_boxplot(mpg, x = class, y = hwy)
gg_boxplot(mpg, x = hwy, y = class)
gg_boxplot(mpg, x = hwy, y = class, notch = TRUE)
gg_boxplot(mpg, x = hwy, y = class, varwidth = TRUE)
gg_boxplot(mpg, x = hwy, y = class, pal = "#3366FF", alpha = 0)
gg_boxplot(mpg, x = hwy, y = class, col = drv)
gg_boxplot(diamonds, x = carat, y = price)
gg_boxplot(diamonds, carat, price, group = ggplot2::cut_width(carat, 0.25))
```

gg_col

Description

Create a col ggplot with a wrapper around the ggplot2::geom_col function.

```
gg_col(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "stack",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.9,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
```

gg_col

```
col_labels = NULL,
 col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_col function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.

x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of a burner for the leave deleavents
col legend prov	The number of columns for the legend elements.
cor_regenu_ni or	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.

col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

```
df <- data.frame(trt = c("a", "b", "c"), outcome = c(2.3, 1.9, 3.2))
gg_col(df, x = trt, y = outcome)
gg_col(df, x = trt, y = outcome, col = trt)</pre>
```

gg_crossbar

Crossbar ggplot

Description

Create a crossbar ggplot with a wrapper around the ggplot2::geom_crossbar function.

Usage

```
gg_crossbar(
  data = NULL,
  x = NULL,
  xmin = NULL,
  xmax = NULL,
  y = NULL,
  ymin = NULL,
  ymax = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.5,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
 y_expand = NULL,
 y_grid = NULL,
  y_include = NULL,
 y_labels = NULL,
  y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
  y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
```

```
col_limits = NULL,
col_rescale = NULL,
col_title = NULL,
col_trans = "identity",
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
)
```

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
xmin	Unquoted xmin aesthetic variable.
xmax	Unquoted xmax aesthetic variable.
У	Unquoted y aesthetic variable.
ymin	Unquoted ymin aesthetic variable.
ymax	Unquoted ymax aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_crossbar function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).

x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_place	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of columns for the legand elements
col legend prov	The number of columns for the legend elements.
The number of rows for the legend elements.	
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.

col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

```
library(ggplot2)

df <- data.frame(
    trt = factor(c(1, 1, 2, 2)),
    resp = c(1, 5, 3, 4),
    group = factor(c(1, 2, 1, 2)),
    upper = c(1.1, 5.3, 3.3, 4.2),
    lower = c(0.8, 4.6, 2.4, 3.6)
)

gg_crossbar(df, x = trt, y = resp, ymin = lower, ymax = upper, col = group)</pre>
```

gg_density

Description

Create a density ggplot with a wrapper around the ggplot2::geom_density function.

```
gg_density(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "density",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.5,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
```

gg_density

```
col_labels = NULL,
 col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
у	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g."identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_density function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.

x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of columns for the large delenses to
col legend prov	The number of columns for the legend elements.
cor_regena_ni or	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.

gg_errorbar

col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to $snakecase::to_sentence_case.$
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

```
library(ggplot2)
gg_density(diamonds, x = carat)
gg_density(diamonds, y = carat)
gg_density(diamonds, x = carat, adjust = 1/5)
gg_density(diamonds, x = carat, adjust = 5)
gg_density(diamonds, x = depth, col = cut, x_limits = c(55, 70))
gg_density(diamonds, x = carat, col = cut, position = "stack", alpha = 0.9)
gg_density(diamonds, x = carat, col = cut, position = "fill", alpha = 0.9)
```

gg_errorbar

Errorbar ggplot

Description

Create a errorbar ggplot with a wrapper around the ggplot2::geom_errorbar function.

gg_errorbar

Usage

```
gg_errorbar(
  data = NULL,
  x = NULL,
  xmin = NULL,
  xmax = NULL,
  y = NULL,
  ymin = NULL,
  ymax = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
 y_expand = NULL,
 y_grid = NULL,
  y_include = NULL,
 y_labels = NULL,
  y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
  y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
```
gg_errorbar

```
col_limits = NULL,
col_rescale = NULL,
col_title = NULL,
col_trans = "identity",
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
```

Arguments

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
xmin	Unquoted xmin aesthetic variable.
xmax	Unquoted xmax aesthetic variable.
У	Unquoted y aesthetic variable.
ymin	Unquoted ymin aesthetic variable.
ymax	Unquoted ymax aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_errorbar function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).

x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of columns for the legend elements
col legend prov	The number of columns for the legend elements.
cor_regend_m 0	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.

gg_errorbar

col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to $snakecase::to_sentence_case$.
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

```
library(ggplot2)
df <- data.frame(
    trt = factor(c(1, 1, 2, 2)),
    resp = c(1, 5, 3, 4),
    group = factor(c(1, 2, 1, 2)),
    upper = c(1.1, 5.3, 3.3, 4.2),
    lower = c(0.8, 4.6, 2.4, 3.6)
)
gg_errorbar(df, x = trt, ymin = lower, ymax = upper, col = group)
gg_errorbar(df, y = trt, xmin = lower, xmax = upper, col = group)
gg_errorbar(df, x = trt, y = resp, ymin = lower, ymax = upper, col = group) +
    geom_line(aes(group = group)) +
    geom_point()
dodger <- position_dodge(width = 0.75)</pre>
```

gg_freqpoly

Freqpoly ggplot

Description

Create a freqpoly ggplot with a wrapper around the ggplot2::geom_freqpoly function.

Usage

```
gg_freqpoly(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "bin",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  . . . ,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_{expand} = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
```

```
y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
у	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_freqpoly function.

title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".

gg_freqpoly

col_legend_ncol	
	The number of columns for the legend elements.
col_legend_nrow	I
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

```
library(ggplot2)
gg_freqpoly(diamonds, x = carat)
gg_freqpoly(diamonds, x = carat, binwidth = 0.01)
gg_freqpoly(diamonds, x = carat, bins = 200)
gg_freqpoly(diamonds, y = carat)
gg_freqpoly(diamonds, x = price, col = cut)
```

gg_function

Description

Create a function ggplot with a wrapper around the ggplot2::geom_function function.

```
gg_function(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "function",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
```

gg_function

```
col_labels = NULL,
 col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

Arguments

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
у	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_function function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.

x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	
col legend prov	The number of columns for the legend elements.
Cor_regend_in Ow	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.

gg_hex

col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

```
library(ggplot2)
gg_function(data.frame(x = rnorm(100)), x = x, fun = ~dnorm(.x))
gg_function(data.frame(x = rnorm(100)), x = x, fun = ~0.5*exp(-abs(.x)))
```

gg_hex

Hex ggplot

Description

Create a hex ggplot with a wrapper around the ggplot2::geom_hex function.

gg_hex

Usage

```
gg_hex(
  data = NULL,
  x = NULL,
  y = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "binhex",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_{grid} = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_{expand} = NULL,
  y_grid = NULL,
  y_include = NULL,
  y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
```

gg_hex

```
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
)
```

Arguments

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_hex function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.

x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	
col legend prov	The number of columns for the legend elements.
cor_regend_m or	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".

gg_histogram

facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

```
if (requireNamespace("hexbin", quietly = TRUE)) {
  library(ggplot2)
  diamonds %>%
   gg_hex(depth, price)
}
```

gg_histogram Histogram ggplot

Description

Create a histogram ggplot with a wrapper around the ggplot2::geom_histogram function.

```
gg_histogram(
  data = NULL,
  x = NULL,
  y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "bin",
  position = "stack",
  clip = "on",
  pal = NULL,
```

gg_histogram

```
pal_na = "#7F7F7F",
  alpha = 0.9,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
 y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

Arguments

data A data frame or tibble.

х	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_histogram function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.

y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	re de la constante de la const
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	
	The number of columns for the legend elements.
col_legend_nrow	The number of rows for the legend elements
col legend rev	Reverse the elements of the legend Defaults to FAI SE
col limits	A vector to determine the limits of the colour scale
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use ""
-	for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to $snakecase::to_sentence_case.$
theme	A ggplot2 theme.

gg_jitter

Value

A ggplot object.

Examples

library(ggplot2)

```
gg_histogram(diamonds, x = carat)
gg_histogram(diamonds, x = carat, binwidth = 0.01)
gg_histogram(diamonds, x = carat, bins = 200)
gg_histogram(diamonds, y = carat)
gg_histogram(diamonds, x = price, col = cut)
gg_histogram(diamonds, x = price, col = cut, position = "fill")
```

gg_jitter

Jitter ggplot

Description

Create a jitter ggplot with a wrapper around the ggplot2::geom_jitter function.

```
gg_jitter(
 data = NULL,
 x = NULL,
 y = NULL,
 col = NULL,
  facet = NULL,
 facet2 = NULL,
 group = NULL,
 stat = "identity",
 position = "jitter",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  . . . ,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
```

```
x_limits = NULL,
 x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
 y_breaks = NULL,
 y_expand = NULL,
 y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

xUnquoted x aesthetic variable.yUnquoted y aesthetic variable.colUnquoted col and fill aesthetic variable.facetUnquoted facet aesthetic variable.facet2Unquoted second facet variable.groupUnquoted group aesthetic variable.statStatistical transformation. A character string (e.g. "identity").	data	A data frame or tibble.
yUnquoted y aesthetic variable.colUnquoted col and fill aesthetic variable.facetUnquoted facet aesthetic variable.facet2Unquoted second facet variable.groupUnquoted group aesthetic variable.statStatistical transformation. A character string (e.g. "identity").	х	Unquoted x aesthetic variable.
colUnquoted col and fill aesthetic variable.facetUnquoted facet aesthetic variable.facet2Unquoted second facet variable.groupUnquoted group aesthetic variable.statStatistical transformation. A character string (e.g. "identity").	У	Unquoted y aesthetic variable.
facetUnquoted facet aesthetic variable.facet2Unquoted second facet variable.groupUnquoted group aesthetic variable.statStatistical transformation. A character string (e.g. "identity").	col	Unquoted col and fill aesthetic variable.
facet2Unquoted second facet variable.groupUnquoted group aesthetic variable.statStatistical transformation. A character string (e.g. "identity").	facet	Unquoted facet aesthetic variable.
groupUnquoted group aesthetic variable.statStatistical transformation. A character string (e.g. "identity").	facet2	Unquoted second facet variable.
stat Statistical transformation. A character string (e.g. "identity").	group	Unquoted group aesthetic variable.
	stat	Statistical transformation. A character string (e.g. "identity").

	••
gg_	jitter

position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_jitter function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.

col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	re la
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	
	The number of columns for the legend elements.
col_legend_nrow	I
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to $snakecase::to_sentence_case.$
theme	A ggplot2 theme.

Value

A ggplot object.

gg_label

Examples

gg_label

Label ggplot

Description

Create a label ggplot with a wrapper around the ggplot2::geom_label function.

```
gg_label(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  label = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0,
  · · · ,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
 y_grid = NULL,
```

```
y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
label	Unquoted label aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).

alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_label function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.

col_legend_place		
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".	
col_legend_ncol		
	The number of columns for the legend elements.	
col_legend_nrow	V	
	The number of rows for the legend elements.	
<pre>col_legend_rev</pre>	Reverse the elements of the legend. Defaults to FALSE.	
col_limits	A vector to determine the limits of the colour scale.	
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.	
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).	
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".	
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".	
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".	
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".	
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".	
caption	Caption title string.	
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.	
theme	A ggplot2 theme.	

Value

A ggplot object.

Examples

```
library(ggplot2)
gg_label(mtcars, wt, mpg, label = rownames(mtcars))
gg_label(mtcars, wt, mpg, label = rownames(mtcars), alpha = 0.1)
```

gg_line

Description

Create a line ggplot with a wrapper around the ggplot2::geom_line function.

```
gg_line(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
```

```
col_labels = NULL,
 col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
у	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_line function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.

x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of columns for the leave deleasents
col legend prov	The number of columns for the legend elements.
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.

col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

```
library(ggplot2)
gg_line(mtcars, x = wt, y = mpg)
gg_line(mtcars, x = wt, y = mpg, col = cyl)
mtcars %>%
  dplyr::mutate(cyl = factor(cyl)) %>%
  gg_line(x = wt, y = mpg, col = cyl, size = 1)
gg_line(diamonds, x = carat, y = price, alpha = 0.01)
```

gg_linerange Linerange ggplot

Description

Create a linerange ggplot with a wrapper around the ggplot2::geom_linerange function.

```
gg_linerange(
  data = NULL,
  x = NULL,
  xmin = NULL,
  xmax = NULL,
  y = NULL,
  ymin = NULL,
  ymax = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
 y_expand = NULL,
 y_grid = NULL,
  y_include = NULL,
  y_labels = NULL,
  y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
  y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
```

```
col_limits = NULL,
col_rescale = NULL,
col_title = NULL,
col_trans = "identity",
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
)
```

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
xmin	Unquoted xmin aesthetic variable.
xmax	Unquoted xmax aesthetic variable.
У	Unquoted y aesthetic variable.
ymin	Unquoted ymin aesthetic variable.
ymax	Unquoted ymax aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_linerange function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).

x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	re de la construcción de la constru
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of a large for the large delayers
col legand prov	i ne number of columns for the legend elements.
COT_TEREING_IILOW	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.

col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

library(ggplot2)

gg_path

Description

Create a path ggplot with a wrapper around the ggplot2::geom_path function.

```
gg_path(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
```

```
col_labels = NULL,
 col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
у	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_path function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
-----------------	--
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. $scales::label_comma())$, or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of columns for the legend elements
col legend nrow	
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.

col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

A ggplot object.

Examples

```
library(ggplot2)
economics %>%
  dplyr::mutate(unemploy_rate = unemploy / pop) %>%
  gg_path(x = unemploy_rate, y = psavert)
```

gg_point

Point ggplot

Description

Create a point ggplot with a wrapper around the ggplot2::geom_point function.

gg_point

```
gg_point(
  data = NULL,
  x = NULL,
  y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  . . . ,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_{expand} = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
  y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
  y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
```

```
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
)
```

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_point function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.

x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).	
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.	
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.	
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).	
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.	
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".	
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.	
col_legend_plac	e	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".	
col_legend_ncol		
The number of columns for the legend elements.		
	The number of rows for the legend elements.	
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.	
col_limits	A vector to determine the limits of the colour scale.	
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.	
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).	

facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to $snakecase::to_sentence_case.$
theme	A ggplot2 theme.

A ggplot object.

Examples

library(ggplot2)

```
gg_point(mtcars, x = wt, y = mpg)
gg_point(mtcars, x = wt, y = mpg, col = cyl)
mtcars %>%
  dplyr::mutate(cyl = factor(cyl)) %>%
  gg_point(x = wt, y = mpg, col = cyl, size = 1)
gg_point(diamonds, x = carat, y = price, alpha = 0.01)
```

gg_pointrange Pointrange ggplot

Description

Create a pointrange ggplot with a wrapper around the ggplot2::geom_pointrange function.

```
gg_pointrange(
   data = NULL,
   x = NULL,
   xmin = NULL,
```

```
xmax = NULL,
y = NULL,
ymin = NULL,
ymax = NULL,
col = NULL,
facet = NULL,
facet2 = NULL,
group = NULL,
stat = "identity",
position = "identity",
clip = "on",
pal = NULL,
pal_na = "#7F7F7F",
alpha = 1,
. . . ,
title = NULL,
subtitle = NULL,
x_breaks = NULL,
x_expand = NULL,
x_grid = NULL,
x_include = NULL,
x_labels = NULL,
x_limits = NULL,
x_sec_axis = ggplot2::waiver(),
x_title = NULL,
x_trans = "identity",
y_breaks = NULL,
y_expand = NULL,
y_grid = NULL,
y_include = NULL,
y_labels = NULL,
y_limits = NULL,
y_sec_axis = ggplot2::waiver(),
y_title = NULL,
y_trans = "identity",
col_breaks = NULL,
col_continuous = "gradient",
col_include = NULL,
col_labels = NULL,
col_legend_place = NULL,
col_legend_ncol = NULL,
col_legend_nrow = NULL,
col_legend_rev = FALSE,
col_limits = NULL,
col_rescale = NULL,
col_title = NULL,
col_trans = "identity",
facet_labels = NULL,
```

```
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
)
```

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
xmin	Unquoted xmin aesthetic variable.
xmax	Unquoted xmax aesthetic variable.
У	Unquoted y aesthetic variable.
ymin	Unquoted ymin aesthetic variable.
ymax	Unquoted ymax aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_pointrange function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.

x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	e
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	The number of columns for the legend elements.
col_legend_nrow	
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").

facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to $snakecase::to_sentence_case$.
theme	A ggplot2 theme.

A ggplot object.

Examples

gg_polygon

Polygon ggplot

Description

Create a polygon ggplot with a wrapper around the ggplot2::geom_polygon function.

```
gg_polygon(
  data = NULL,
  x = NULL,
  y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  subgroup = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.9,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
  y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
```

```
col_trans = "identity",
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
)
```

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
subgroup	Unquoted subgroup aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_polygon function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).

x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	e
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	
col legend prov	The number of columns for the legend elements.
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).

facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

A ggplot object.

Examples

library(ggplot2)

```
ids <- factor(c("1.1", "2.1", "1.2", "2.2", "1.3", "2.3"))
values <- data.frame(</pre>
  id = ids,
  value = c(3, 3.1, 3.1, 3.2, 3.15, 3.5)
)
positions <- data.frame(</pre>
  id = rep(ids, each = 4),
  x = c(2, 1, 1.1, 2.2, 1, 0, 0.3, 1.1, 2.2, 1.1, 1.2, 2.5, 1.1, 0.3,
        0.5, 1.2, 2.5, 1.2, 1.3, 2.7, 1.2, 0.5, 0.6, 1.3),
  y = c(-0.5, 0, 1, 0.5, 0, 0.5, 1.5, 1, 0.5, 1, 2.1, 1.7, 1, 1.5,
        2.2, 2.1, 1.7, 2.1, 3.2, 2.8, 2.1, 2.2, 3.3, 3.2)
)
datapoly <- merge(values, positions, by = c("id"))</pre>
datapoly %>%
  gg_polygon(x = x,
             y = y,
             col = value,
             group = id)
holes <-
  do.call(rbind, lapply(split(datapoly, datapoly$id), function(df) {
    df$x <- df$x + 0.5 * (mean(df$x) - df$x)
```

gg_qq

```
df$y <- df$y + 0.5 * (mean(df$y) - df$y)
df
}))

datapoly$subid <- 1L
holes$subid <- 2L
datapoly <- rbind(datapoly, holes)

datapoly %>%
gg_polygon(
    x = x,
    y = y,
    col = value,
    group = id,
    subgroup = subid
)
```

gg_qq

Qq ggplot

Description

Create a qq ggplot with a wrapper around the ggplot2::geom_qq function.

```
gg_qq(
  data = NULL,
  sample = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
 x = NULL,
  y = NULL,
  stat = "qq",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
```

```
x_labels = NULL,
 x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
 x_trans = "identity",
 y_breaks = NULL,
 y_expand = NULL,
 y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

A data frame or tibble.
Unquoted sample aesthetic variable.
Unquoted col and fill aesthetic variable.
Unquoted facet aesthetic variable.
Unquoted second facet variable.
Unquoted group aesthetic variable.
Unquoted x aesthetic variable.
Unquoted y aesthetic variable.

stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_qq function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").

col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	
	The number of columns for the legend elements.
col_legend_nrow	The number of rough for the legend elements
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

A ggplot object.

gg_raster

Examples

```
library(ggplot2)
df <- data.frame(y = rt(200, df = 5))
gg_qq(df, sample = y, distribution = stats::qnorm) +
geom_qq_line(distribution = stats::qnorm)</pre>
```

gg_raster

Raster ggplot

Description

Create a raster ggplot with a wrapper around the ggplot2::geom_raster function.

```
gg_raster(
  data = NULL,
 x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  . . . ,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = c(0, 0),
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_{limits} = c(NA, NA),
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = c(0, 0),
 y_grid = NULL,
 y_include = NULL,
```

```
y_labels = NULL,
 y_{limits} = c(NA, NA),
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme(),
  void = FALSE
)
```

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.

	Other arguments passed to the ggplot2::geom_raster function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".

col_legend_ncol	
	The number of columns for the legend elements.
col_legend_nrow	I
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.
void	TRUE or FALSE of whether to remove axis lines, ticks and x and y titles and labels. Defaults to FALSE.

A ggplot object.

Examples

gg_rect

Description

Create a rect ggplot with a wrapper around the ggplot2::geom_rect function.

```
gg_rect(
  data = NULL,
  xmin = NULL,
  xmax = NULL,
 ymin = NULL,
  ymax = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  x = NULL,
  y = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.9,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
  y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
```

```
y_trans = "identity",
 col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

data	A data frame or tibble.
xmin	Unquoted xmin aesthetic variable.
xmax	Unquoted xmax aesthetic variable.
ymin	Unquoted ymin aesthetic variable.
ymax	Unquoted ymax aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
x	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.

gg_rect

• • •	Other arguments passed to the ggplot2::geom_rect function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	
	i ne place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".

col_legend_ncol		
	The number of columns for the legend elements.	
col_legend_nrow		
	The number of rows for the legend elements.	
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.	
col_limits	A vector to determine the limits of the colour scale.	
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.	
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).	
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".	
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".	
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".	
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".	
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".	
caption	Caption title string.	
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.	
theme	A ggplot2 theme.	

A ggplot object.

Examples

```
library(ggplot2)

df <- data.frame(
    x = rep(c(2, 5, 7, 9, 12), 2),
    y = rep(c(1, 2), each = 5),
    z = factor(rep(1:5, each = 2)),
    w = rep(diff(c(0, 4, 6, 8, 10, 14)), 2)
)

df %>%
  dplyr::mutate(xmin = x - w / 2, xmax = x + w / 2, ymin = y, ymax = y + 1) %>%
  gg_rect(xmin = xmin, xmax = xmax, ymin = ymin, ymax = ymax, col = z)
```

gg_ribbon

Description

Create a ribbon ggplot with a wrapper around the ggplot2::geom_ribbon function.

```
gg_ribbon(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  xmin = NULL,
  xmax = NULL,
  ymin = NULL,
  ymax = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.5,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
 x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
 y_breaks = NULL,
 y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
  y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
```

```
y_trans = "identity",
 col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
xmin	Unquoted xmin aesthetic variable.
xmax	Unquoted xmax aesthetic variable.
ymin	Unquoted ymin aesthetic variable.
ymax	Unquoted ymax aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.

	Other arguments passed to the ggplot2::geom_ribbon function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	
	ine place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".

col_legend_ncol	
	The number of columns for the legend elements.
col_legend_nrow	
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

A ggplot object.

Examples

```
library(ggplot2)
huron <- data.frame(year = 1875:1972, level = as.vector(LakeHuron))
huron %>%
gg_ribbon(
    x = year,
    ymin = 0,
    ymax = level,
    x_labels = ~.x,
    alpha = 0.9)
huron %>%
```

gg_segment

```
dplyr::mutate(level_min = level - 1, level_max = level + 1) %>%
gg_ribbon(
    x = year,
    ymin = level_min,
    ymax = level_max,
    pal = scales::alpha(pal_viridis_mix(1), 0)) +
geom_line(aes(x = year, y = level), col = pal_viridis_mix(1))
```

gg_segment

Segment ggplot

Description

Create a segment ggplot with a wrapper around the ggplot2::geom_segment function.

```
gg_segment(
  data = NULL,
  x = NULL,
  xend = NULL,
 y = NULL,
  yend = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  . . . ,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
```

```
y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
xend	Unquoted xend aesthetic variable.
У	Unquoted y aesthetic variable.
yend	Unquoted xend aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".

pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_segment function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).

col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	Ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	
	The number of columns for the legend elements.
col_legend_nrow	V
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

A ggplot object.

Examples

```
library(ggplot2)
df <- data.frame(x1 = 2.62, x2 = 3.57, y1 = 21.0, y2 = 15.0)
gg_segment(df, x = x1, y = y1, xend = x2, yend = y2)</pre>
```

gg_sf

Description

Create a blank ggplot with a wrapper around the ggplot2::geom_sf function.

```
gg_sf(
  data = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "sf",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  . . . .
  title = NULL,
  subtitle = NULL,
  x_grid = NULL,
  x_title = NULL,
  y_grid = NULL,
  y_title = NULL,
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
```

```
theme = gg_theme(),
void = TRUE
)
```

data	A data frame or tibble.	
col	Unquoted col and fill aesthetic variable.	
facet	Unquoted facet aesthetic variable.	
facet2	Unquoted second facet variable.	
group	Unquoted group aesthetic variable.	
stat	Statistical transformation. A character string (e.g. "identity").	
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).	
clip	Whether to clip geometries outside of the panel. Either "on" or "off".	
pal	Colours to use. A character vector of hex codes (or names).	
pal_na	Colour to use for NA values. A character vector of a hex code (or name).	
	Other arguments passed to the ggplot2::geom_sf function.	
title	Title string.	
subtitle	Subtitle string.	
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.	
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.	
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".	
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.	
col_legend_plac	e	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".	
col_legend_ncol		
col logand new	The number of columns for the legend elements.	
The number of rows for the legend elements.		
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.	
col_limits	A vector to determine the limits of the colour scale.	
--------------	---	--
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.	
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).	
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".	
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".	
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".	
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".	
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".	
caption	Caption title string.	
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.	
theme	A ggplot2 theme.	
void	TRUE or FALSE of whether to remove axis lines, ticks and x and y titles and labels. Defaults to TRUE.	

Value

A ggplot object.

Examples

```
if (requireNamespace("sf", quietly = TRUE)) {
    library(ggplot2)
    nc <- sf::st_read(system.file("shape/nc.shp", package = "sf"), quiet = TRUE)
    gg_sf(nc, col = AREA, col_legend_place = "b")
}</pre>
```

gg_smooth

Description

Create a smooth ggplot with a wrapper around the ggplot2::geom_smooth function.

```
gg_smooth(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "smooth",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.5,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
```

gg_smooth

```
col_labels = NULL,
 col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

Arguments

data	A data frame or tibble.	
х	Unquoted x aesthetic variable.	
у	Unquoted y aesthetic variable.	
col	Unquoted col and fill aesthetic variable.	
facet	Unquoted facet aesthetic variable.	
facet2	Unquoted second facet variable.	
group	Unquoted group aesthetic variable.	
stat	Statistical transformation. A character string (e.g. "identity").	
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).	
clip	Whether to clip geometries outside of the panel. Either "on" or "off".	
pal	Colours to use. A character vector of hex codes (or names).	
pal_na	Colour to use for NA values. A character vector of a hex code (or name).	
alpha	Opacity. A number between 0 and 1.	
	Other arguments passed to the ggplot2::geom_smooth function.	
title	Title string.	
subtitle	Subtitle string.	
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).	
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.	

x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.	
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).	
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.	
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).	
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.	
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.	
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).	
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.	
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".	
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0)	
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.	
col_legend_plac	ce	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".	
col_legend_ncol	The number of columns for the large delenses to	
col legend prov	The number of columns for the legend elements.	
cor_regend_m ov	The number of rows for the legend elements.	
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.	
col_limits	A vector to determine the limits of the colour scale.	
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.	

gg_smooth

col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "re-verse").	
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).	
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".	
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".	
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".	
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".	
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".	
caption	Caption title string.	
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.	
theme	A ggplot2 theme.	

Value

A ggplot object.

Examples

```
library(ggplot2)
gg_smooth(mpg, x = displ, y = hwy)
gg_smooth(mpg, x = displ, y = hwy) +
geom_point()
gg_smooth(mpg, x = hwy, y = displ) +
geom_point()
gg_smooth(mpg, x = hwy, y = displ, orientation = "y") +
geom_point()
gg_smooth(mpg, x = displ, y = hwy, method = "lm") +
geom_point()
```

gg_step

Description

Create a step plot with a wrapper around the ggplot2::geom_step function.

```
gg_step(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
  y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
```

gg_step

```
col_labels = NULL,
 col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

Arguments

data	A data frame or tibble.	
х	Unquoted x aesthetic variable.	
у	Unquoted y aesthetic variable.	
col	Unquoted col and fill aesthetic variable.	
facet	Unquoted facet aesthetic variable.	
facet2	Unquoted second facet variable for a facet grid of facet by facet2 variables.	
group	Unquoted group aesthetic variable.	
stat	Statistical transformation. A character string (e.g. "identity").	
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).	
clip	Whether to clip geometries outside of the panel. Either "on" or "off".	
pal	Colours to use. A character vector of hex codes (or names).	
pal_na	Colour to use for NA values. A character vector of a hex code (or name).	
alpha	Opacity. A number between 0 and 1.	
	Other arguments passed to the ggplot2::geom_step function.	
title	Title string.	
subtitle	Subtitle string.	
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).	
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.	

x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.	
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).	
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.	
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).	
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.	
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.	
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).	
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.	
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".	
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.	
col_legend_plac	ce	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".	
col_legend_ncol	The number of columns for the legand elements	
col legend nrow		
	The number of rows for the legend elements.	
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.	
col_limits	A vector to determine the limits of the colour scale.	
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.	

gg_text

col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).	
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".	
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".	
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".	
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".	
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".	
caption	Caption title string.	
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.	
theme	A ggplot2 theme.	

Value

A ggplot object.

Examples

```
library(ggplot2)
recent <- economics[economics$date > as.Date("2013-01-01"), ]
gg_step(recent, x = date, y = unemploy)
```

gg_text

Text ggplot

Description

Create a text plot with a wrapper around the ggplot2::geom_text function.

gg_text

Usage

```
gg_text(
  data = NULL,
  x = NULL,
  y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  label = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 1,
  ...,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
  x_sec_axis = ggplot2::waiver(),
  x_title = NULL,
  x_trans = "identity",
  y_breaks = NULL,
  y_expand = NULL,
  y_grid = NULL,
  y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
  y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
```

gg_text

```
col_trans = "identity",
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
)
```

Arguments

data	A data frame or tibble.	
x	Unquoted x aesthetic variable.	
У	Unquoted y aesthetic variable.	
col	Unquoted col and fill aesthetic variable.	
facet	Unquoted facet aesthetic variable.	
facet2	Unquoted second facet variable for a facet grid of facet by facet2 variables.	
group	Unquoted group aesthetic variable.	
label	Unquoted label aesthetic variable.	
stat	Statistical transformation. A character string (e.g. "identity").	
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).	
clip	Whether to clip geometries outside of the panel. Either "on" or "off".	
pal	Colours to use. A character vector of hex codes (or names).	
pal_na	Colour to use for NA values. A character vector of a hex code (or name).	
alpha	Opacity. A number between 0 and 1.	
	Other arguments passed to the ggplot2::geom_text function.	
title	Title string.	
subtitle	Subtitle string.	
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).	
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.	
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.	
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).	

x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.	
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).	
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.	
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.	
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).	
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.	
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.	
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". Defaults to "steps" - or just the first letter of these e.g. "g".	
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).	
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.	
col_legend_plac	re de la constante de la const	
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".	
col_legend_ncol	The number of a large for the large delements	
col legend nrow	The number of columns for the legend elements.	
	The number of rows for the legend elements.	
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.	
col_limits	A vector to determine the limits of the colour scale.	
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.	
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.	
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").	
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).	

gg_theme

facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".	
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".	
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".	
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".	
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".	
caption	Caption title string.	
titles	A function to format the x, y and col titles. Defaults to $snakecase::to_sentence_case$.	
theme	A ggplot2 theme.	

Value

A ggplot object.

Examples

```
library(ggplot2)
gg_text(mtcars, wt, mpg, label = rownames(mtcars), size = 2.5)
```

gg_theme

Quick theme for a ggplot

Description

Quick theme for a ggplot visualisation.

```
gg_theme(
  text_family = "",
  text_size = 10,
  text_pal = "#323232",
  text_face = "plain",
  title_size = text_size + 1,
  title_pal = "#00000",
  title_face = "bold",
  title_face = "bold",
  title_margin = ggplot2::margin(t = text_size * -0.5, b = text_size * 1.25),
  subtitle_size = text_size,
```

```
subtitle_pal = "#323232",
subtitle_face = "plain",
subtitle_vjust = text_size * 0.4,
subtitle_margin = ggplot2::margin(t = text_size * -0.5, b = text_size),
caption_size = text_size - 1,
caption_pal = "#7F7F7F",
caption_face = "plain",
caption_hjust = 0,
axis_line_linewidth = 0.3,
axis_line_pal = "#323232",
axis_ticks_linewidth = NULL,
axis_ticks_pal = NULL,
legend_key_pal = NULL,
panel_background_pal = "#FEFEFE",
panel_grid_linewidth = 0.2,
panel_grid_pal = "#D3D3D3",
panel_spacing_lines = 1.25,
plot_background_pal = "#F1F3F5"
```

Arguments

)

text_family	The font family for all text to use. Defaults to "".	
text_size	The size of all text other than the title, subtitle and caption. Defaults to 10.	
text_pal	The colour for all text other than the title, subtitle or caption. Default "#323232".	s to
text_face	The font style of all text other than the title, subtitle or caption. Default "plain".	s to
title_size	he size of the title text_family. Defaults to 11.	
title_pal	The colour for the title text_family. Defaults to "#000000".	
title_face	The font style of the title text_family. Defaults to "bold".	
title_vjust	The vertical adjustment for the title.	
title_margin	The margin for the title.	
subtitle_size	The size of the subtitle text_family. Defaults to 10.	
subtitle_pal	The colour for the subtitle text_family. Defaults to "#323232".	
subtitle_face	The font style of the subtitle text_family. Defaults to "plain".	
subtitle_vjust	The vertical adjustment for the subtitle.	
subtitle_margir	1	
	The margin for the title.	
caption_size	The size of the caption. Defaults to 9.	
caption_pal	The colour for the caption. Defaults to "#7F7F7F".	
caption_face	The font style of the caption. Defaults to "plain".	
caption_hjust	The horizontal adjustment for the caption.	

gg_tile

axis_line_linewidth The linewidth of the axis. Defaults to 0.3. axis_line_pal The colour for the axis. Defaults to "#323232". axis_ticks_linewidth The linewidth of the ticks. Defaults to 0.3. axis_ticks_pal The colour for the ticks. Defaults to "#323232". legend_key_pal The colour for the legend key. Defaults to the plot_background_pal. panel_background_pal The colour for the panel background colour. panel_grid_linewidth The linewidth of the vertical major gridlines. Defaults to 0.2. panel_grid_pal The colour for the vertical major gridlines. Defaults to "#D3D3D3". panel_spacing_lines The size of the spacing between facet panels in units of "lines". Defaults to 1.25. plot_background_pal The colour for the plot background colour.

Value

A ggplot theme.

gg_tile Tile ggplot

Description

Create a tile plot with a wrapper around the ggplot2::geom_tile function.

```
gg_tile(
  data = NULL,
  x = NULL,
  y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "identity",
  position = "identity",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.9,
  ...,
```

```
title = NULL,
subtitle = NULL,
x_breaks = NULL,
x_expand = NULL,
x_grid = NULL,
x_include = NULL,
x_labels = NULL,
x_limits = NULL,
x_sec_axis = ggplot2::waiver(),
x_title = NULL,
x_trans = "identity",
y_breaks = NULL,
y_expand = NULL,
y_grid = NULL,
y_include = NULL,
y_labels = NULL,
y_limits = NULL,
y_sec_axis = ggplot2::waiver(),
y_title = NULL,
y_trans = "identity",
col_breaks = NULL,
col_continuous = "gradient",
col_include = NULL,
col_labels = NULL,
col_legend_place = NULL,
col_legend_ncol = NULL,
col_legend_nrow = NULL,
col_legend_rev = FALSE,
col_limits = NULL,
col_rescale = NULL,
col_title = NULL,
col_trans = "identity",
facet_labels = NULL,
facet_ncol = NULL,
facet_nrow = NULL,
facet_scales = "fixed",
facet_space = "fixed",
facet_layout = NULL,
caption = NULL,
titles = snakecase::to_sentence_case,
theme = gg_theme()
```

```
)
```

Arguments

data	A data frame or tibble.
x	Unquoted x aesthetic variable.
у	Unquoted y aesthetic variable.

col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable for a facet grid of facet by facet2 variables.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g."identity"), or a function (e.g. ggplot2::position_identity()).
clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_tile function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.

y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".
col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col_intervals is not NULL.
col_legend_plac	ce
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	L
	The number of columns for the legend elements.
col_legend_nrow	The number of some for the lease delements
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to snakecase::to_sentence_case.
theme	A ggplot2 theme.

Value

A ggplot object.

gg_violin

Examples

library(ggplot2)

gg_violin Violin ggplot

Description

Create a violin plot with a wrapper around the ggplot2::geom_violin function.

```
gg_violin(
  data = NULL,
  x = NULL,
 y = NULL,
  col = NULL,
  facet = NULL,
  facet2 = NULL,
  group = NULL,
  stat = "ydensity",
  position = "dodge",
  clip = "on",
  pal = NULL,
  pal_na = "#7F7F7F",
  alpha = 0.9,
  . . . ,
  title = NULL,
  subtitle = NULL,
  x_breaks = NULL,
  x_expand = NULL,
  x_grid = NULL,
  x_include = NULL,
  x_labels = NULL,
  x_limits = NULL,
```

```
x_sec_axis = ggplot2::waiver(),
 x_title = NULL,
 x_trans = "identity",
 y_breaks = NULL,
 y_expand = NULL,
 y_grid = NULL,
 y_include = NULL,
 y_labels = NULL,
 y_limits = NULL,
 y_sec_axis = ggplot2::waiver(),
 y_title = NULL,
 y_trans = "identity",
  col_breaks = NULL,
  col_continuous = "gradient",
  col_include = NULL,
  col_labels = NULL,
  col_legend_place = NULL,
  col_legend_ncol = NULL,
  col_legend_nrow = NULL,
  col_legend_rev = FALSE,
  col_limits = NULL,
  col_rescale = NULL,
  col_title = NULL,
  col_trans = "identity",
  facet_labels = NULL,
  facet_ncol = NULL,
  facet_nrow = NULL,
  facet_scales = "fixed",
  facet_space = "fixed",
  facet_layout = NULL,
  caption = NULL,
  titles = snakecase::to_sentence_case,
  theme = gg_theme()
)
```

Arguments

data	A data frame or tibble.
х	Unquoted x aesthetic variable.
У	Unquoted y aesthetic variable.
col	Unquoted col and fill aesthetic variable.
facet	Unquoted facet aesthetic variable.
facet2	Unquoted second facet variable for a facet grid of facet by facet2 variables.
group	Unquoted group aesthetic variable.
stat	Statistical transformation. A character string (e.g. "identity").
position	Position adjustment. Either a character string (e.g. "identity"), or a function (e.g. ggplot2::position_identity()).

clip	Whether to clip geometries outside of the panel. Either "on" or "off".
pal	Colours to use. A character vector of hex codes (or names).
pal_na	Colour to use for NA values. A character vector of a hex code (or name).
alpha	Opacity. A number between 0 and 1.
	Other arguments passed to the ggplot2::geom_violin function.
title	Title string.
subtitle	Subtitle string.
x_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
x_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
x_grid	TRUE or FALSE for vertical x gridlines. NULL guesses based on the classes of the x and y.
x_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
x_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
x_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
x_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
x_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
x_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
y_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
y_expand	Padding to the limits with the ggplot2::expansion function, or a vector of length 2 (e.g. $c(0, 0)$).
y_grid	TRUE or FALSE of horizontal y gridlines. NULL guesses based on the classes of the x and y.
y_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
y_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels.
y_limits	A vector of length 2 to determine the limits of the axis (and the zoom via the coord).
y_sec_axis	A secondary axis using the ggplot2::sec_axis or ggplot2::dup_axis function.
y_title	Axis title string. Defaults to converting to sentence case with spaces. Use "" for no title.
y_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
col_breaks	A function on the limits (e.g. scales::breaks_pretty()), or a vector of breaks.
col_continuous	Type of colouring for a continuous variable. Either "gradient" or "steps". De- faults to "steps" - or just the first letter of these e.g. "g".

col_include	For a numeric or date variable, any values that the scale should include (e.g. 0).
col_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a vector of labels. Note this does not affect where col intervals is not NULL.
col_legend_plac	ze
	The place for the legend. Either "bottom", "right", "top" or "left" - or just the first letter of these e.g. "b".
col_legend_ncol	
	The number of columns for the legend elements.
col_legend_nrow	
	The number of rows for the legend elements.
col_legend_rev	Reverse the elements of the legend. Defaults to FALSE.
col_limits	A vector to determine the limits of the colour scale.
col_rescale	For a continuous col variable, a vector to rescale the pal non-linearly.
col_title	Legend title string. Defaults to converting to sentence case with spaces. Use "" for no title.
col_trans	For a numeric variable, a transformation object (e.g. "log10", "sqrt" or "reverse").
facet_labels	A function that takes the breaks as inputs (e.g. scales::label_comma()), or a named vector of labels (e.g. c("value" = "label",)).
facet_ncol	The number of columns of facets. Only applies to a facet layout of "wrap".
facet_nrow	The number of rows of facets. Only applies to a facet layout of "wrap".
facet_scales	Whether facet scales should be "fixed" across facets, "free" in both directions, or free in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed".
facet_space	Whether facet space should be "fixed" across facets, "free" to be proportional in both directions, or free to be proportional in just one direction (i.e. "free_x" or "free_y"). Defaults to "fixed". Only applies where the facet layout is "grid" and facet scales are not "fixed".
facet_layout	Whether the layout is to be "wrap" or "grid". If NULL and a single facet (or facet2) argument is provided, then defaults to "wrap". If NULL and both facet and facet2 arguments are provided, defaults to "grid".
caption	Caption title string.
titles	A function to format the x, y and col titles. Defaults to $snakecase::to_sentence_case.$
theme	A ggplot2 theme.

Value

A ggplot object.

Examples

```
library(ggplot2)
mtcars %>%
  dplyr::mutate(cyl = as.factor(cyl)) %>%
  gg_violin(x = cyl, y = mpg)
```

Description

A function to retreive a vector of hex codes for a non-numeric (or non-ordererd) variable.

Usage

```
pal_d3_mix(n)
```

Arguments

n

The number of colours (excluding an NA colour).

Value

A character vector of hex codes.

Examples

scales::show_col(pal_d3_mix(9))

pal_na

NA palette.

Description

A function to retreive a hex code for a colour to use for NA values.

Usage

pal_na(pal = "#7F7F7F")

Arguments

pal The hex code or name of the NA colour. Defaults to "#7F7F7FFF".

Value

A character vector.

Examples

scales::show_col(pal_na())

pal_viridis_mix Viridis palette reordered.

Description

A function to retreive a vector of hex codes for a numeric (or ordererd) variable.

Usage

pal_viridis_mix(n)

Arguments

n

The number of colours (excluding an NA colour).

Value

A character vector of hex codes.

Examples

scales::show_col(pal_viridis_mix(9))

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