easy_add_legend_title

Easily add legend title(s)

Description
Update the title(s) of the specified aesthetic, or all aesthetics at once.

Usage
easy_add_legend_title(..., teach = FALSE)

Arguments
...
A list of new name-value pairs. The name should be an aesthetic. If only a character value is provided then all legend titles will be changed to that.

teach
print longer equivalent ggplot2 expression?

Value
a theme object

Author(s)
Jonathan Carroll

Examples

library(ggplot2)

# Add legend title to a specific aesthetic
ggplot(mtcars, aes(wt, mpg, colour = cyl, size = hp)) + geom_point() + easy_add_legend_title(col = "Number of Cylinders")

# Add legend title to all aesthetics
ggplot(mtcars, aes(wt, mpg, colour = cyl)) + geom_point() + easy_add_legend_title("Number of Cylinders")
easy_change_legend

Easily modify legends

Description

Change legend position, direction, or justification.

Usage

easy_change_legend(
  what = c("position", "direction", "justification"),
  to,
  teach = FALSE
)

easy_move_legend(
  to = c("right", "none", "left", "bottom", "top"),
  teach = FALSE
)

easy_legend_at(to = c("right", "none", "left", "bottom", "top"), teach = FALSE)

easy_rotate_legend(to = c("vertical", "horizontal"), teach = FALSE)

easy_adjust_legend(to = c("left", "right", "center"), teach = FALSE)

Arguments

- what: legend component to modify ("position", "direction", or "justification")
- to: to what to set the legend component should be changed
- teach: print longer equivalent ggplot2 expression?

Details

Due to limitations of ggplot2 this will apply to all legends at once

Value

a theme object

Author(s)

Jonathan Carroll
Examples

```r
library(ggplot2)

# Move legends to bottom
ggplot(mtcars, aes(wt, mpg, colour = cyl, size = hp)) +
  geom_point() + easy_move_legend("bottom")

# Make legends horizontal
ggplot(mtcars, aes(wt, mpg, colour = cyl, size = hp)) +
  geom_point() + easy_rotate_legend("horizontal")

# Justify legends to the bottom and justify to the right
ggplot(mtcars, aes(wt, mpg, colour = cyl, size = hp)) +
  geom_point() +
  easy_move_legend("bottom") +
  easy_adjust_legend("right")
```

easy_change_text  Easily change text appearance

Description

Change any of the text parameters such as

Usage

```r
easy_change_text(
  which = .all_theme_els,
  what = .all_element_text,
  to = NULL,
  teach = FALSE
)
```

.all_theme_els
.all_element_text
easy_all_text_size(size = NULL, teach = FALSE)
easy_all_text_color(color = NULL, teach = FALSE)
easy_all_text_colour(colour = NULL, teach = FALSE)
easy_text_size(which = .all_theme_els, size = NULL, teach = FALSE)
easy_text_color(which = .all_theme_els, color = NULL, teach = FALSE)
easy_change_text

easy_text_colour(which = .all_theme_els, colour = NULL, teach = FALSE)
easy_x_axis_title_size(size, teach = FALSE)
easy_y_axis_title_size(size, teach = FALSE)
easy_x_axis_labels_size(size = NULL, teach = FALSE)
easy_y_axis_labels_size(size = NULL, teach = FALSE)
easy_plot_title_size(size = NULL, teach = FALSE)
easy_plot_subtitle_size(size = NULL, teach = FALSE)
easy_plot_caption_size(size = NULL, teach = FALSE)
easy_plot_legend_size(size = NULL, teach = FALSE)
easy_plot_legend_title_size(size = NULL, teach = FALSE)

Arguments

which which element to change (see ggeasy::.all_theme_els)
what what attribute of the element to change (see ggeasy::.all_element_text)
to value to which the attribute should be set
teach print longer equivalent ggplot2 expression?
size size to set attributes to
color colo(u)r to set attributes to
colour colo(u)r to set attributes to

Format

An object of class character of length 15.

Value

a theme object which can be used in ggplot2 calls

Author(s)

Jonathan Carroll

Examples

library(ggplot2)

# make all text larger
### Description

Applies same logic as `labs` but uses as default the column label attribute if present as the variable label in the plot.
Usage

easy_labs(..., teach = FALSE)

Arguments

... A list of new name-value pairs. The name should either be an aesthetic, or one of "title", "subtitle", or "caption"
teach print longer equivalent ggplot2 expression?

Examples

iris_labs <- iris
lbl <- c('Sepal Length', 'Sepal Width', 'Petal Length', 'Petal Width', 'Flower Species')
labelled::var_label(iris_labs) <- split(lbl, names(iris_labs))
p <- ggplot2::ggplot(iris_labs, ggplot2::aes(x=Sepal.Length, y=Sepal.Width))+
ggplot2::geom_line(ggplot2::aes(colour=Species))
p
p + easy_labs()
p + easy_labs(title = "Plot Title", subtitle = "Plot Subtitle", x = "x axis label")
p + easy_labs(teach = TRUE)

easy_remove_axes  Easily remove one or more axes

Description

easy_remove_axes by default removes both axes, but can remove only x or y if "x" or "y" is given to the 'which' argument

Usage

easy_remove_axes(
  which = c("both", "x", "y"),
  what = c("ticks", "title", "text", "line"),
  teach = FALSE
)
easy_remove_y_axis(what = c("ticks", "title", "text", "line"), teach = FALSE)
easy_remove_x_axis(what = c("ticks", "title", "text", "line"), teach = FALSE)
easy_remove_legend

Arguments

- **which**: which axis or axes to remove, by default "both"
- **what**: axis components to remove ("ticks", "title", "text", and/or "line")
- **teach**: print longer equivalent `ggplot2` expression?

Details

easy_remove_x_axis and easy_remove_y_axis remove just the x or y axis, respectively.

Value

a `theme` object which can be used in `ggplot2` calls

Author(s)

Alicia Schep

Examples

```r
library(ggplot2)
# Remove all axes
ggplot(mtcars, aes(wt, mpg)) +
  geom_point() + easy_remove_axes()

# remove just x axis
ggplot(mtcars, aes(wt, mpg)) +
  geom_point() + easy_remove_x_axis()

# can also use:
  ggplot(mtcars, aes(wt, mpg)) +
  geom_point() + easy_remove_x_axis("x")

# Remove y axis
ggplot(mtcars, aes(wt, mpg)) +
  geom_point() + easy_remove_y_axis()

# Remove just the ticks
# Remove y axis
ggplot(mtcars, aes(wt, mpg)) +
  geom_point() + easy_remove_y_axis(what = "ticks")
```

---

easy_remove_legend  Easily remove legend(s)

Description

With no argument, will remove all legends. Provide the name(s) of specific aesthetic to remove only certain legends.
Usage

easy_remove_legend(..., teach = FALSE)

Arguments

... optional name(s) specific aesthetics for which to remove the legend

 teach print longer equivalent \texttt{ggplot2} expression?

Value

either a \texttt{theme} object or a \texttt{guides} object, both of which can be used in \texttt{ggplot2} calls

Author(s)

Alicia Schep

Examples

library(ggplot2)

# Remove all legends
ggplot(mtcars, aes(wt, mpg, colour = cyl, size = hp)) + geom_point() + easy_remove_legend()

# remove just size legend

ggplot(mtcars, aes(wt, mpg, colour = cyl, size = hp)) + geom_point() + easy_remove_legend("size")

# can also use:
ggplot(mtcars, aes(wt, mpg, colour = cyl, size = hp)) + geom_point() + easy_remove_legend(size)

# Remove more than one

ggplot(mtcars, aes(wt, mpg, colour = cyl, size = hp)) + geom_point() + easy_remove_legend(size, color)

easy_remove_legend_title

\textit{Easily remove legend title Remove the legend title}

Description

Easily remove legend title Remove the legend title

Usage

easy_remove_legend_title(teach = FALSE)
Arguments

teach  print longer equivalent \texttt{ggplot2} expression?

Value

a \texttt{theme} object

Examples

library(ggplot2)
# remove legend title from all aesthetics
ggplot(mtcars, aes(wt, mpg, colour = cyl)) +
  geom_point() + easy_remove_legend_title()

__easy_rotate_labels__  \textit{Easily rotate x axis labels}

Description

A shortcut to

Usage

```r
easy_rotate_labels(
  which = c("both", "x", "y"),
  angle = 90,
  side = c("left", "middle", "right"),
  teach = FALSE
)

easy_rotate_x_labels(
  angle = 90,
  side = c("left", "middle", "right"),
  teach = FALSE
)

easy_rotate_y_labels(
  angle = 90,
  side = c("left", "middle", "right"),
  teach = FALSE
)
```

Arguments

- \texttt{which} which axis or axes to rotate, by default "both"
- \texttt{angle} angle through which the text should be rotated. Can also be one of "startattop" or "startatbottom" to define where the text should start.
side                  horizontal justification of the text before rotation

Value

theme(axis.text.x = element_text(angle, hjust))

Examples

library(ggplot2)
ggplot(mtcars, aes(mpg, hp)) +
  geom_point() +
  easy_rotate_labels()
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