

Package: customthemes (via r-universe)

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Title custom theming for ggplot, for personal use
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Description Collection of (ggplot) theming options for personal use.
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add_logo *Add logo to plot, option to write into file*

Description

Add logo to plot, option to write into file

Usage

```
add_logo(
  orig_plot,
  logo_file,
  annotation_text,
  plot_file = "temp.png",
  plot_dpi = 320,
  plot_width = NA,
  plot_height = NA,
  logo_resize = "60x60",
  image_extent = "700x60",
  image_gravity = "west",
  annotation_colour = "black",
  google_font = "Roboto",
  annotation_location = "+61+0",
  annotation_size = 35,
  x_pos_round = 0.01,
  rewrite_file = TRUE
)
```

Arguments

orig_plot	existing chart
logo_file	logo to be added (image file)
annotation_text	text to be added next to the text (e.g. twitter handle)
plot_file	file where to save the plot
plot_dpi	plot file resolution
plot_width	plot file width
plot_height	plot file height
logo_resize	size of the logo when added (magick parameter)
image_extent	extent addition (magick parameter)
image_gravity	image gravity alignment (magick parameter)
annotation_colour	colour of the annotation text
google_font	font of the text, from Google fonts

annotation_location relative location of text (from logo, magick parameter)
 annotation_size relative size of annotation (from logo, magick parameter)
 x_pos_round relative position rounding (magick parameter)
 rewrite_file whether to rewrite the file with finished plot

Value

raster object

add_social_ref	<i>Create HTML/Markdown text with Twitter's logo and handle/text</i>
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Description

Create HTML/Markdown text with Twitter's logo and handle/text

Usage

```
add_social_ref(twitter_handle, logo_size = 9, logo_url = NULL)
```

Arguments

twitter_handle like @abcd
 logo_size (default = 9)
 logo_url custom image (i.e dark mode). If none provide, will download logo from wiki-media

Value

text

custom_map_theme	<i>Custom theme for ggplot maps</i>
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Description

Custom theme for ggplot maps

Usage

```
custom_map_theme(  
  google_font = "Roboto",  
  map_title_size = 14,  
  legend_pos = "bottom",  
  legend_dir = "horizontal"  
)
```

Arguments

google_font	font, from Google Fonts
map_title_size	Title's size
legend_pos	legend's position (default bottom)
legend_dir	legend's direction (default horizontal)

Value

ggplot theme object

custom_map_theme_md	<i>Custom theme for ggplot maps, using ggtext for markdown text</i>
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Description

Custom theme for ggplot maps, using ggtext for markdown text

Usage

```
custom_map_theme_md(  
  google_font = "Roboto",  
  map_title_size = 14,  
  map_subtitle_size = 12,  
  map_caption_size = 9,  
  legend_pos = "none",  
  legend_dir = "horizontal",  
  title_pos = "plot",  
  background_colour = "white",  
  plot_margin = c(3, 0, 1, 0)  
)
```

Arguments

google_font	font, from Google Fonts
map_title_size	Title's size
map_subtitle_size	Subtitle's size

map_caption_size	Caption's size
legend_pos	legend's position (default none)
legend_dir	legend's direction (default horizontal)
title_pos	title's position (default plot)
background_colour	background's overall colour (default white)
plot_margin	margins c(top,right,bottom,left) - default c(3,0,1,0)

custom_plot_theme *Custom theme for ggplot plots*

Description

Custom theme for ggplot plots

Usage

```
custom_plot_theme(
  google_font = "Roboto",
  title_colour = "#272928",
  general_colour = "azure4",
  background_colour = "#fcf8f7",
  legend_pos = "right",
  legend_dir = "vertical"
)
```

Arguments

google_font	font, from Google Fonts
title_colour	Colour for title and legend text
general_colour	Colour for all other texts in plot
background_colour	Background colour
legend_pos	legend's position (default right)
legend_dir	legend's direction (default vertical)

Value

ggplot theme object

custom_plot_theme_md *Custom theme for ggplot plots with markdown texts*

Description

Custom theme for ggplot plots with markdown texts

Usage

```
custom_plot_theme_md(  
  google_font = "Roboto",  
  title_colour = "#272928",  
  general_colour = "azure4",  
  background_colour = "white",  
  legend_pos = "right",  
  legend_dir = "vertical",  
  plot_margin = c(3, 0, 1, 0),  
  title_size = 14,  
  subtitle_size = 12,  
  caption_size = 9,  
  axis_size = 10,  
  legend_size = 8  
)
```

Arguments

google_font	font, from Google Fonts
title_colour	Colour for title and legend text
general_colour	Colour for all other texts in plot
background_colour	Background colour
legend_pos	legend's position (default right)
legend_dir	legend's direction (default vertical)
plot_margin	margins c(top,right,bottom,left) - default c(3,0,1,0)
title_size	Title's size
subtitle_size	Subtitle's size
caption_size	Caption's size
axis_size	text size for axis items
legend_size	text size for legend

Value

ggplot theme object

custom_strip_theme	<i>Custom theme for temperatue strips based on https://dominicroye.github.io/en/2018/how-to-create-warming-stripes-in-r/, modified</i>
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Description

Custom theme for temperatue strips based on <https://dominicroye.github.io/en/2018/how-to-create-warming-stripes-in-r/>, modified

Usage

```
custom_strip_theme(google_font = "Roboto", rbrewer_pal = "RdBu")
```

Arguments

google_font	font, from Google Fonts
rbrewer_pal	RColorBrewer palette used

Value

ggplot theme object

digits_formatter	<i>Small wrapper of formatC for number formatting</i>
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Description

Small wrapper of formatC for number formatting

Usage

```
digits_formatter(x, sig_digits = 3, nbr_format = "f")
```

Arguments

x	number to format
sig_digits	decimal precision
nbr_format	format, default "f"

Value

formatted number

save_image	<i>save ggplot into PNG file</i>
------------	----------------------------------

Description

save ggplot into PNG file

Usage

```
save_image(  
  plot_name,  
  file_name,  
  dpi_value = 600,  
  width_value = NA,  
  height_value = NA,  
  unit_value = NA  
)
```

Arguments

plot_name	ggplot object
file_name	file's name (including .png)
dpi_value	resolution (default 600)
width_value	width for ggsave
height_value	height for ggsave
unit_value	unit for ggsave

Value

saved file in disk
ggplot theme object

set_plot_colours	<i>Set colour for standard chart fillings and lines</i>
------------------	---

Description

Set colour for standard chart fillings and lines

Usage

```
set_plot_colours(  
  line_colour = "darkblue",  
  fill_colour = "deepskyblue",  
  HVline_colour = "orange",  
  alt_fill_colour = "white",  
  alpha_setting = 0.3  
)
```

Arguments

<code>line_colour</code>	general colour for lines
<code>fill_colour</code>	fill colour for plots like density plots
<code>HVline_colour</code>	colour of vertical and horizontal lines
<code>alt_fill_colour</code>	fill colour for plots like boxplots
<code>alpha_setting</code>	alpha value when <code>fill_colour</code> is used

Value

no output

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