

Package ‘tinythemes’

March 4, 2024

Type Package

Title Lightweight Repackaging of 'Themes' for 'ggplot2'

Version 0.0.2

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Description Themes for 'ggplot2' are a convenient way to style plots. The 'hrbrthemes' package contains a particularly nice one, but brings along a significant tail of dependencies. So this (currently experimental) package brings along just the 'theme_ipsum_rc' theme using the 'Roboto Condensed' font. Should the font not be installed on your system, see the help in the package 'hrbrthemes' on how to install 'Roboto Condensed'.

URL <https://github.com/eddelbuettel/tinythemes>

BugReports <https://github.com/eddelbuettel/tinythemes/issues>

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Imports ggplot2

Suggests hrbrthemes, patchwork

RoxygenNote 7.3.1

Encoding UTF-8

NeedsCompilation no

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tinythemes-package	<i>Lightweight Repackaging of 'Themes' for 'ggplot2'</i>
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Description

Themes for 'ggplot2' are a convenient way to style plots. The 'hrbrthemes' package contains a particularly nice one, but brings along a significant tail of dependencies. So this (currently experimental) package brings along just the 'theme_ipsum_rc' theme using the 'Roboto' 'Condensed' font. Should the font not be installed on your system, see the help in the package 'hrbrthemes' on how to install 'Roboto Condensed'.

Package Content

Index of help topics:

theme_ipsum_rc	A precise & pristine ggplot2 theme with opinionated defaults and an emphasis on typography
tinythemes-package	Lightweight Repackaging of 'Themes' for 'ggplot2'

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theme_ipsum_rc	<i>A precise & pristine <code>ggplot2</code> theme with opinionated defaults and an emphasis on typography</i>
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Description

You should consult the documentation of the **hrbrthemes** package if the font does not load properly. There is an option `hrbrthemes.loadfonts` which – if set to `TRUE` – will call `extrafont::loadfonts()` to register non-core fonts with R PDF & PostScript devices. If you are running under Windows, the package calls the same function to register non-core fonts with the Windows graphics device.

Usage

```

theme_ipsum_rc(
  base_family = "Roboto Condensed",
  base_size = 11.5,
  plot_title_family = base_family,
  plot_title_size = 18,
  plot_title_face = "bold",
  plot_title_margin = 10,
  subtitle_family = if (.Platform$OS.type == "windows") "Roboto Condensed" else
    "Roboto Condensed Light",
  subtitle_size = 13,
  subtitle_face = "plain",
  subtitle_margin = 15,
  strip_text_family = base_family,
  strip_text_size = 12,
  strip_text_face = "plain",
  caption_family = if (.Platform$OS.type == "windows") "Roboto Condensed" else
    "Roboto Condensed Light",
  caption_size = 9,
  caption_face = "plain",
  caption_margin = 10,
  axis_text_size = base_size,
  axis_title_family = base_family,
  axis_title_size = 9,
  axis_title_face = "plain",
  axis_title_just = "rt",
  plot_margin = margin(30, 30, 30, 30),
  panel_spacing = grid::unit(2, "lines"),
  grid_col = "#cccccc",
  grid = TRUE,
  axis_col = "#cccccc",
  axis = FALSE,
  ticks = FALSE
)

```

Arguments

base_family, base_size
 base font family and size

plot_title_family, plot_title_face, plot_title_size, plot_title_margin
 plot title family, face, size and margin

subtitle_family, subtitle_face, subtitle_size
 plot subtitle family, face and size

subtitle_margin
 plot subtitle margin bottom (single numeric value)

strip_text_family, strip_text_face, strip_text_size
 facet label font family, face and size

caption_family, caption_face, caption_size, caption_margin
 plot caption family, face, size and margin

axis_text_size font size of axis text

axis_title_family, axis_title_face, axis_title_size
 axis title font family, face and size

axis_title_just
 axis title font justification one of [blmcr]t]

plot_margin plot margin (specify with `ggplot2::margin`)

panel_spacing panel spacing (use `unit()`)

grid_col grid color

grid panel grid (TRUE, FALSE, or a combination of X, x, Y, y)

axis_col axis color

axis add x or y axes? TRUE, FALSE, "xy"

ticks ticks if TRUE add ticks

Value

A `ggplot2`-compatible 'theme' data structure is returned for use in standard `ggplot2` usage.

Why Roboto Condensed?

It is free, has tolerable kerning pairs and multiple weights. It is also different than Arial Narrow and the fonts most folks use in `ggplot2` charts.

Examples

```
if (interactive()) { # default postscript device used in tests does not have font
  library(ggplot2)

  # seminal scatterplot
  ggplot(mtcars, aes(mpg, wt)) +
    geom_point() +
    labs(x="Fuel efficiency (mpg)", y="Weight (tons)",
         title="Seminal ggplot2 scatterplot example",
         subtitle="A plot that is only useful for demonstration purposes",
         caption="Brought to you by the letter 'g'") +
    theme_ipsum_rc()

  # seminal bar chart

  # note: make this font_rc on Windows
  if (Sys.info()[["sysname"]] == "Windows")
    update_geom_font_defaults(family=font_rc_light)

  data.frame(table(mpg$class)) |>
    ggplot(aes(x = Var1, y = Freq)) +
    geom_col() +
    geom_text(aes(label = Freq), nudge_y=3) +
```

```
labs(x="Fuel efficiency (mpg)", y="Weight (tons)",
      title="Seminal ggplot2 bar chart example",
      subtitle="A plot that is only useful for demonstration purposes",
      caption="Brought to you by the letter 'g'") +
theme_ipsum_rc(grid="Y") +
theme(axis.text.y=element_blank())
}
```

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