Package 'tinythemes'

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Type Package

Title Lightweight Repackaging of 'Themes' for 'ggplot2'

Version 0.0.4

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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'. Note that 'hrbrthemes' is now archived at CRAN.

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

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

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Imports ggplot2

Suggests patchwork

RoxygenNote 7.3.3

Encoding UTF-8

NeedsCompilation no

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Repository CRAN

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`tinythemes-package` *Lightweight Repackaging of 'Themes' for 'ggplot2'*

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'. Note that 'hrbrthemes' is now archived at CRAN.

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'`

Maintainer

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`theme_ipsum_rc` *A precise & pristine ggplot2 theme with opinionated defaults and an emphasis on typography*

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 [blmcrt]

plot_margin
: plot margin (specify with 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)

ggplot(table(mpg$class), 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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