Package: ganttrify (via r-universe)

November 16, 2026

Title Create beautiful Gantt charts with ggplot2

Version 0.0.1.9007

Description 'ganttrify' facilitates the creation of nice-looking Gantt charts, commonly used in project proposals and project management.

License GPL (>= 3)

Encoding UTF-8

LazyData true

RoxygenNote 7.3.3

Imports magrittr, tibble, dplyr, ggplot2, zoo, wesanderson, lubridate, tidyr, ggtext, cli, rlang, stringr

URL https://github.com/giocomai/ganttrify

BugReports https://github.com/giocomai/ganttrify/issues

Language en-US

Suggests extrafont, testthat (>= 3.0.0)

Depends R (>= 2.10)

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gantt_verify *Check the consistency of the input project data frame*

Description

Check the consistency of the input project data frame, return meaningful errors or warnings if something is not quite right

Usage

```
gantt_verify(project, by_date = FALSE, exact_date = FALSE)
```

Arguments

project	A data frame. See ‘ganttrify::test_project‘ for an example.
by_date	Logical, defaults to FALSE If FALSE, the the start and end columns in the data frame should correspond to month numbers from the beginning of the project. If TRUE, dates in the format ("2020-10" or "2020-10-01") should be given.
exact_date	Logical, defaults to FALSE. If FALSE, then periods are always understood to include full months. If FALSE, then exact dates can be given.

Value

A data frame (a tibble) that is consistent with the format expected by [ganttrify()].

Examples

```
gantt_verify(project = ganttrify::test_project)
```

ganttrify *Create Gantt charts from a data frame*

Description

Creates Gantt charts with ggplot2.

Usage

```
ganttrify(
  project,
  spots = NULL,
  by_date = FALSE,
  exact_date = FALSE,
  project_start_date = Sys.Date(),
  colour_palette = wesanderson::wes_palette("Darjeeling1"),
```

```
  font_family = "sans",
  mark_quarters = FALSE,
  mark_years = FALSE,
  size_wp = 6,
  hide_wp = FALSE,
  hide_activities = FALSE,
  wp_label_bold = TRUE,
  size_activity = 4,
  size_text_relative = 1,
  label_wrap = FALSE,
  month_number_label = TRUE,
  month_label_string = "M",
  month_date_label = TRUE,
  x_axis_position = "top",
  colour_stripe = "lightgray",
  alpha_wp = 1,
  alpha_activity = 1,
  line_end = NULL,
  line_end_wp = "round",
  line_end_activity = "butt",
  spot_padding = ggplot2::unit(0.2, "lines"),
  spot_fill = ggplot2::alpha(c("white"), 1),
  spot_text_colour = "gray20",
  spot_size_text_relative = 1,
  spot_fontface = "bold",
  spot_border = 0.25,
  month_breaks = 1,
  show_vertical_lines = TRUE,
  axis_text_align = "right"
)
```

Arguments

`project`	A data frame. See ‘ganttrify::test_project‘ for an example.
`spots`	A data frame. See ‘ganttrify::test_spots‘ for an example.
`by_date`	Logical, defaults to FALSE If FALSE, the the start and end columns in the data frame should correspond to month numbers from the beginning of the project. If TRUE, dates in the format ("2020-10" or "2020-10-01") should be given.
`exact_date`	Logical, defaults to FALSE. If FALSE, then periods are always understood to include full months. If FALSE, then exact dates can be given.
`project_start_date`	The date when the project starts. It can be a date, or a string in the format "2020-03" or "2020-03-01". Ignored if ‘month_number_date‘ is set to FALSE.
`colour_palette`	A character vector of colours or a colour palette. If necessary, colours are recycled as needed. Defaults to ‘wesanderson::wes_palette("Darjeeling1")‘. For more palettes, consider also the ‘MetBrewer‘ package, e.g. ‘colour_palette = MetBrewer::met.brewer("Lakota")‘. Colours can be passed as a vector of hex codes (e.g. ‘colour_palette = c("#6ACCEA", "#00FFB8", "#B90000", "#6C919C")‘)

font_family — A character vector of length 1, defaults to "sans". It is recommended to use a narrow/condensed font such as Roboto Condensed for more efficient use of text space.

mark_quarters — Logical, defaults to FALSE. If TRUE, vertical lines are added in correspondence of change of quarter (end of March, end of June, end of September, end of December).

mark_years — Logical, defaults to FALSE. If TRUE, vertical lines are added in correspondence of change of year (1 January).

size_wp — Numeric, defaults to 6. It defines the thickness of the line used to represent WPs.

hide_wp — Logical, defaults to FALSE. If TRUE, the lines of the WP are hidden and only activities are shown.

hide_activities — Logical, defaults to FALSE. If TRUE, the lines of activities are hidden and only activities are shown.

wp_label_bold — Logical, defaults to TRUE. If TRUE, the label for working packages is set to bold face, while activities remain plain. Set to FALSE to keep have all labels in plain face or for further customisation (‘ganttrify‘ offers basic markdown support).

size_activity — Numeric, defaults to 4. It defines the thickness of the line used to represent activities.

size_text_relative — Numeric, defaults to 1. Changes the size of all textual elements relative to their default size. If you set this to e.g. 1.5 all text elements will be 50% bigger.

label_wrap — Defaults to FALSE. If given, must be numeric, referring to the number of characters per line allowed in the labels of projects and activities, or logical (if set to TRUE, it will default to 32). To be used when labels would otherwise be excessively long.

month_number_label — Logical, defaults to TRUE. If TRUE, it includes month numbering on x axis.

month_label_string — Defaults to "M", relevant only if ‘month_number_label‘ is set to TRUE. String that precedes the month number: e.g. if set to "M", then months are labeled as "M1", "M2", etc.

month_date_label — Logical, defaults to TRUE. If TRUE, it includes month names and dates on the x axis.

x_axis_position — Logical, defaults to "top". Can also be "bottom". Used only when only one of ‘month_number_label‘ and ‘month_date_label‘ is TRUE, otherwise ignored.

colour_stripe — Character, defaults to "lightgray". This is the stripe colour in the background used in alternate months.

alpha_wp — Numeric, defaults to 1. Controls transparency of the line used to represent WPs.

alpha_activity — Numeric, defaults to 1. Controls transparency of the line used to represent activities.

line_end — Character, defaults to NULL. If given, takes precedence over ‘line_end_wp‘ and ‘line_end_activity‘ and applies the value to both. One of "round", "butt", "square". Controls line ends.

`line_end_wp` Character, defaults to "round". One of "round", "butt", "square". Controls line ends.

`line_end_activity` Character, defaults to "butt". One of "round", "butt", "square". Controls line ends.

`spot_padding` Unit, defaults to ‘ggplot2::unit(0.2, "lines")‘. If you use spot events, this is the padding around the text. Smaller value are best for busy gantt charts; if you have lots of space or use larger font sizes you may want to increase this value.

`spot_fill` Defaults to ‘ggplot2::alpha(c("white"), 1)‘. This is the background fill colour of spot events. By default, it is set to solid white. If you want to add some transparency to enable visual continuity of the underlying lines, adjust the transparency value to your taste adapting the function used by default.

`spot_text_colour` Defaults to "grey20", for a dark but not quite black text.

`spot_size_text_relative` Defaults to 1. This is combined with ‘size_text_relative‘.

`spot_fontface` Defaults to "bold". Available values are "plain", "bold", "italic" and "bold.italic".

`spot_border` Defaults to 0.25. Internally passed as ‘label.size‘ to ‘geom_label()‘. Set to 0 or NA to remove the border.

`month_breaks` Numeric, defaults to 1. It defines if labels for all months are shown or only once every x months. Useful for longer projects.

`show_vertical_lines` Logical, defaults to TRUE. If set to FALSE, it hides the thin vertical lines corresponding to month numbers. Useful in particular for longer projects.

`axis_text_align` Character, defaults to "right". Defines alignment of text on the y-axis is left. Accepted values are "left", "right", "centre", or "center".

Value

A Gantt chart as a ggplot2 object.

Examples

```
ganttrify(ganttrify::test_project)
```

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