Package 'ggalignment'

February 24, 2025

Type Package

Title Plots 'D&D'-Style Alignment Charts

Version 1.0.2

Description 'D&D' alignment charts show 9 boxes with values for good
through evil and values for chaotic through lawful. This package
easily creates these alignment charts from user-provided image paths
and alignment values.

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Depends R (>= 3.4)

Imports dplyr (>= 1.0.0), ggimage (>= 0.2.0), ggplot2 (>= 3.3.0),
magrittr (>= 1.0.0), rlang (>= 0.1.2)

Suggests rmarkdown (>= 2.0.0), knitr (>= 1.0), testthat (>= 3.0.0),
vdiffr (>= 1.0.0), roxygen2

VignetteBuilder knitr

URL https://github.com/aftonsteps/ggalignment

BugReports https://github.com/aftonsteps/ggalignment/issues

Encoding UTF-8

LazyData true

RoxygenNote 7.3.2

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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alignment_vals *Alignment Values*

Description

A vector of possible alignment values.

Usage

```
alignment_vals
```

Format

A data.frame vector containing 1 column of 9 elements, each one a possible alignment

alignment the nine possible alignments

Source

<https://dungeonsdragons.fandom.com/wiki/Alignment>

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example_cats *Example Cats*

Description

Creates cat data with alignments for use in examples

Usage

```
example_cats()
```

Value

a data.frame containing example data for cats

Examples

```
example_cats()
```

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ggalignment	*Creates a D&D alignment chart*

Description

The primary function of the package, this function creates a D&D alignment chart from a dataframe
with img, x, and y columns!

Usage

```
ggalignment(
  alignment,
  line_type = "dashed",
  line_color = "black",
  font_family = NULL,
  font_color = "black",
  font_size = NULL,
  background_color = "white",
  background_border = NA,
  max_images_per_dim = 2,
  max_image_dim = "width"
)
```

Arguments

alignment	a data.frame containing the data to be plotted, requiring columns img (for image path) and alignment, and optionally x and y specifying the coordinates for each image, where each box has coordinate limits from -1 to 1 in both axes.
line_type	the linetype for the box borders, which follows the ggplot2 allowable values for linetype for geom_rect() (e.g. blank, solid, dashed, dotted, dotdash, longdash, twodash)
line_color	the color for the bounding boxes of the alignments, defaults to black, and must be a named color such as "black"
font_family	the font family to be used on the alignment labels
font_color	the font color to be used on the alignment labels
font_size	the size of the font used on the alignment labels
background_color	
	the background color for the entire plot, defaults to white and must be a named color such as "white"
background_border	
	the color of the solid-line bounding box on the entire plot, defaults to NA and must be either NA or a named color such as "black"
max_images_per_dim	
	numeric representing the number of images that should fit in a single fact – for example, if you want an image to take up half the width of the fact, use max_images_per_dim = 2

max_image_dim   one of "width" or "height", representing if the max_images_per_dim should
                 count by width or height in the facet

Value

a ggplot containing the alignment chart

Examples

```
align_cats <- example_cats()
ggalignment(alignment = align_cats)
```

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