

Package: r2dii.colours (via r-universe)

September 10, 2024

Title 2 Degrees Investing Colour Palettes in Different Formats

Version 0.0.0.9000

Description Get colour values from different colour palettes used by 2 Degrees Investing (2DII) organization in their reserach streams. Different ways to obtain the colour values are available: dataframe or a function call.

License MIT + file LICENSE

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.2

Imports dplyr, glue, magrittr, rlang, tibble, ggplot2, r2dii.plot, stringr, stats

Depends R (>= 2.10)

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Config/Needs/website 2DegreesInvesting/r2diitemplate

URL <https://2degreesinvesting.github.io/r2dii.colours>,
<https://2degreesinvesting.github.io/r2dii.colours/>

Repository <https://rmi-pacta.r-universe.dev>

RemoteUrl <https://github.com/rmi-pacta/r2dii.colours>

RemoteRef HEAD

RemoteSha 10c5055cc3addd632e13d9d88bf4d6cf8d98d71b

Contents

colour_aliases_1in1000	2
colour_aliases_2dii	2
colour_aliases_pacta	3

colour_aliases_survey	3
colour_palettes	4
get_colours	5
scale_colour_2dii	6

Index 8

colour_aliases_1in1000

Named colour vector associated with 1 in 1000

Description

This vector contains names associated with different colours from 1 in 1000 palette.

Usage

```
colour_aliases_1in1000
```

Format

An object of class character of length 43.

Examples

```
colour_aliases_1in1000
```

```
colour_aliases_1in1000[c("high_carbon_exposure", "low_carbon_exposure")]
```

colour_aliases_2dii

Named colour vector associated with 2DII values

Description

This vector contains names associated with different colours from 2DII palette.

Usage

```
colour_aliases_2dii
```

Format

An object of class character of length 38.

Examples

```
colour_aliases_2dii
```

```
colour_aliases_2dii[c("equity", "bonds")]
```

colour_aliases_pacta *Named colour vector associated with PACTA sectors and technologies*

Description

This vector contains named colours associated with PACTA sectors and technologies.

Usage

```
colour_aliases_pacta
```

Format

An object of class character of length 67.

Examples

```
colour_aliases_pacta  
  
colour_aliases_pacta[c("ice", "hybrid", "electric")]  
  
colour_aliases_pacta[c("steel", "aviation", "cement")]
```

colour_aliases_survey *Named colour vector associated with user survey*

Description

This vector contains named colours associated with user survey results plots.

Usage

```
colour_aliases_survey
```

Format

An object of class character of length 11.

Examples

```
colour_aliases_survey  
  
colour_aliases_survey[c("climate_strategy_concrete_goals")]  
  
colour_aliases_pacta[c("Concrete goals", "Climate strategy")]
```

colour_palettes *Colour palette datasets*

Description

All datasets have at least two columns:

- label: Text label of the colour.
- hex: Hex code of the colour.

Usage

palette_1in1000_background

palette_1in1000_goodbad

palette_1in1000_plot

palette_2dii_plot

palette_2dii_scenario

palette_2dii_sector

palette_2dii_power

palette_2dii_automotive

palette_2dii_oil_gas

palette_2dii_fossil_fuels

Format

An object of class character of length 1.

An object of class tbl_df (inherits from tbl, data.frame) with 5 rows and 2 columns.

An object of class tbl_df (inherits from tbl, data.frame) with 10 rows and 2 columns.

An object of class tbl_df (inherits from tbl, data.frame) with 9 rows and 2 columns.

An object of class tbl_df (inherits from tbl, data.frame) with 5 rows and 2 columns.

An object of class tbl_df (inherits from tbl, data.frame) with 8 rows and 2 columns.

An object of class tbl_df (inherits from tbl, data.frame) with 6 rows and 2 columns.

An object of class tbl_df (inherits from tbl, data.frame) with 7 rows and 2 columns.

An object of class tbl_df (inherits from tbl, data.frame) with 2 rows and 2 columns.

An object of class tbl_df (inherits from tbl, data.frame) with 3 rows and 2 columns.

Examples

```
palette_1in1000_background
palette_1in1000_goodbad
palette_1in1000_plot
palette_2dii_plot
palette_2dii_scenario
palette_2dii_sector
palette_2dii_power
palette_2dii_automotive
palette_2dii_oil_gas
palette_2dii_fossil_fuels
```

`get_colours`*Retrieve colour hex values from a palette*

Description

Retrieve colour hex values from a palette

Usage

```
get_colours(
  colour_names = "red",
  palette = r2dii.colours::palette_1in1000_plot
)
```

Arguments

<code>colour_names</code>	Character string or a vector of character strings with names of colours for which you want to retrieve the hex values.
<code>palette</code>	The dataframe from which the hex values are retrieved. It should contain columns <code>label</code> and <code>hex</code> .

Value

A vector of strings with hex codes in order specified by `colour_names`.

Examples

```
# use default palette
get_colours(c("red", "blue"))

# specify which palette to use
get_colours(c("red", "green"), palette = palette_1in1000_goodbad)
```

scale_colour_2dii *Custom 2DII colour and fill scales*

Description

A custom discrete colour and fill scales with colours from 2DII palettes.

Usage

```
scale_colour_2dii(
  palette = c("2dii", "1in1000", "pacta", "survey"),
  colour_groups = NULL,
  labels = NULL,
  ...
)

scale_fill_2dii(
  palette = c("2dii", "1in1000", "pacta", "survey"),
  colour_groups = NULL,
  labels = NULL,
  ...
)
```

Arguments

palette	String with the name of the colour scale to be used. If not specified then the general 2dii scale is used
colour_groups	A vector containing groups variable to which colours are assigned. It is needed when the data assigned to colour aesthetic are not all contained in colour aliases of the palette. By default it is null and then only names in data that are also found in colour aliases for the palette are coloured.
labels	Labels parameter to be used in <code>ggplot2::scale_colour_manual</code> . By default it is set to an internal function beautifying the labels.
...	Other parameters passed on to <code>ggplot2::discrete_scale()</code> .

Value

An object of class "ScaleDiscrete".

Examples

```
library(ggplot2, warn.conflicts = FALSE)
library(r2dii.plot, warn.conflicts = FALSE)
library(dplyr, warn.conflicts = FALSE)

sda %>%
  filter(emission_factor_metric == "projected") %>%
  ggplot() +
  geom_line(aes(x = year, y = emission_factor_value, colour = sector)) +
  scale_colour_2dii()

mpg %>%
  ggplot() +
  geom_histogram(aes(cyl, fill = class), position = "dodge", bins = 5) +
  scale_fill_2dii()

sda %>%
  filter(emission_factor_metric == "projected") %>%
  ggplot() +
  geom_line(aes(x = year, y = emission_factor_value, colour = sector)) +
  scale_colour_2dii(palette = "1in1000", colour_groups = sda$sector)

market_share %>%
  filter(sector == "automotive", year %in% c(2020, 2025), metric == "projected") %>%
  ggplot() +
  geom_bar(
    stat = "identity",
    aes(x = year, y = technology_share, fill = technology)
  ) +
  scale_fill_2dii(palette = "pacta")
```

Index

* datasets

colour_aliases_1in1000, 2
colour_aliases_2dii, 2
colour_aliases_pacta, 3
colour_aliases_survey, 3
colour_palettes, 4

* r2dii scales

scale_colour_2dii, 6

color_aliases_1in1000
(colour_aliases_1in1000), 2

color_aliases_2dii
(colour_aliases_2dii), 2

color_aliases_pacta
(colour_aliases_pacta), 3

color_aliases_survey
(colour_aliases_survey), 3

colour_aliases_1in1000, 2

colour_aliases_2dii, 2

colour_aliases_pacta, 3

colour_aliases_survey, 3

colour_palettes, 4

get_colours, 5

palette_1in1000_background
(colour_palettes), 4

palette_1in1000_goodbad
(colour_palettes), 4

palette_1in1000_plot (colour_palettes),
4

palette_2dii_automotive
(colour_palettes), 4

palette_2dii_fossil_fuels
(colour_palettes), 4

palette_2dii_oil_gas (colour_palettes),
4

palette_2dii_plot (colour_palettes), 4

palette_2dii_power (colour_palettes), 4

palette_2dii_scenario
(colour_palettes), 4

palette_2dii_sector (colour_palettes), 4

scale_color_2dii (scale_colour_2dii), 6

scale_colour_2dii, 6

scale_fill_2dii (scale_colour_2dii), 6