

Package ‘AcademicThemes’

January 20, 2025

Title Colour Plots with Palettes from Academic Institutions

Version 0.0.2

Description Functionality to allow users to easily colour plots with the colour palettes of various academic institutions.

License MIT + file LICENSE

Encoding UTF-8

RoxygenNote 7.2.1

URL <https://github.com/hwarden162/AcademicThemes>

BugReports <https://github.com/hwarden162/AcademicThemes/issues>

Suggests covr, knitr, rmarkdown, scales, testthat (>= 3.0.0), tidyverse

Config/testthat/edition 3

Imports ggplot2, grDevices

VignetteBuilder knitr

NeedsCompilation no

Author Hugh Warden [aut, cre] (<<https://orcid.org/0000-0002-4308-7316>>)

Maintainer Hugh Warden <hugh.warden@outlook.com>

Repository CRAN

Date/Publication 2024-02-26 09:20:12 UTC

Contents

academic_colour_palette	2
academic_colour_palette_names	2
scale_colour_academic_c	3
scale_colour_academic_d	4
scale_fill_academic_c	5
scale_fill_academic_d	6
Index	7

academic_colour_palette

Get An Academic Colour Palette

Description

Return either a specific colour palette or all colour palettes offered by AcademicThemes.

Usage

```
academic_colour_palette(palette = NA, n = NA)
```

Arguments

palette	A string containing the name of the palette to be returned. If no name is given then all palettes are returned instead.
n	A number indicating how many different colours should be included in the palette. If not specified only the specific colours in the palette will be returned.

Value

A single vector or a list of vectors containing HEX codes for academic colour palettes.

Examples

```
# Get the colour palette used by the UKRI  
academic_colour_palette("ukri_mrc")
```

academic_colour_palette_names

Get The Academic Colour Palette Names

Description

Get The Academic Colour Palette Names

Usage

```
academic_colour_palette_names()
```

Value

A vector of the names of the colour palettes available in AcademicThemes.

Examples

```
academic_colour_palette_names()
```

`scale_colour_academic_c`*Scale Plot Colours With Academic Themes (Continuous)*

Description

Scale Plot Colours With Academic Themes (Continuous)

Usage

```
scale_colour_academic_c(palette_name, ...)
```

Arguments

<code>palette_name</code>	The name of a colour palette in AcademicThemes.
<code>...</code>	Arguments passed to <code>ggplot2::scale_colour_gradientn()</code>

Value

A layer that can be added to a `ggplot2` object.

Examples

```
library(ggplot2)
ggplot(
  data.frame(
    x = runif(1500),
    y = runif(1500)
  ),
  aes(x = x, y = y, colour = x)
) +
  geom_point() +
  scale_colour_academic_c("cruk") +
  theme_classic() +
  labs(
    x = "X-Axis",
    y = "Y-Axis",
    colour = "Colour"
  )
)
```

`scale_colour_academic_d`*Scale Plot Colours With Academic Themes (Discrete)*

Description

Scale Plot Colours With Academic Themes (Discrete)

Usage

```
scale_colour_academic_d(palette_name, ...)
```

Arguments

`palette_name` The name of a colour palette in AcademicThemes.
`...` Arguments passed to `ggplot2::discrete_scale()`.

Value

A layer that can be added to a `ggplot2` object.

Examples

```
library(ggplot2)
ggplot(
  data.frame(
    x = runif(1500),
    y = runif(1500),
    c = sample(LETTERS[1:3], 1500, replace = TRUE)
  ),
  aes(x = x, y = y, colour = c)
) +
  geom_point() +
  scale_colour_academic_d("cruk") +
  theme_classic() +
  labs(
    x = "X-Axis",
    y = "Y-Axis",
    colour = "Colour"
  )
)
```

scale_fill_academic_c *Scale Plot Fills With Academic Themes (Continuous)*

Description

Scale Plot Fills With Academic Themes (Continuous)

Usage

```
scale_fill_academic_c(palette_name, ...)
```

Arguments

palette_name The name of a colour palette in AcademicThemes.
... Arguments passed to `ggplot2::scale_fill_gradientn()`

Value

A layer that can be added to a ggplot2 object.

Examples

```
library(ggplot2)
ggplot(
  data.frame(
    x = rnorm(10000),
    y = rnorm(10000)
  ),
  aes(x = x, y = y)
) +
  geom_hex() +
  scale_fill_academic_c("cruk") +
  theme_classic() +
  labs(
    x = "X-Axis",
    y = "Y-Axis",
    fill = "Fill"
  )
)
```

scale_fill_academic_d Scale Plot Fills With Academic Themes (Discrete)

Description

Scale Plot Fills With Academic Themes (Discrete)

Usage

```
scale_fill_academic_d(palette_name, ...)
```

Arguments

`palette_name` The name of a colour palette in AcademicThemes.
`...` Arguments passed to `ggplot2::discrete_scale()`.

Value

A layer that can be added to a `ggplot2` object.

Examples

```
library(ggplot2)
ggplot(
  data.frame(
    x = LETTERS[1:5],
    y = 5:1
  ),
  aes(x = x, y = y, fill = x)
) +
  geom_col() +
  scale_fill_academic_d("cruk") +
  theme_classic() +
  labs(
    x = "X-Axis",
    y = "Y-Axis",
    fill = "Fill"
  )
)
```

Index

[academic_colour_palette](#), 2
[academic_colour_palette_names](#), 2

[scale_colour_academic_c](#), 3
[scale_colour_academic_d](#), 4
[scale_fill_academic_c](#), 5
[scale_fill_academic_d](#), 6