

Package ‘AcademicThemes’

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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.

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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

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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"
  )
)
```

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