Package: poispalette (via r-universe)

September 17, 2024

Title Poisson Palettes

Version 0.0.0.9000

Description An R package for Poisson Consulting colour palettes.

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Depends R (>= 3.4)

Imports chk, ggplot2, grDevices, colorscale

Remotes dreamRs/colorscale

Suggests covr, testthat

URL https://github.com/poissonconsulting/poispalette

BugReports https://github.com/poissonconsulting/poispalette/issues

Encoding UTF-8

LazyData true

RoxygenNote 7.2.2.9000

Language en-US

Roxygen list(markdown = TRUE)

Repository https://poissonconsulting.r-universe.dev

RemoteUrl https://github.com/poissonconsulting/poispalette

RemoteRef HEAD

RemoteSha 3beec38084e25c838c37044e3752ca52be9cdc48

Contents

`lines` *lines*

Description

lines

Usage

```
lines
```

Format

An example data set for plotting

Examples

```
lines
```

`points` *points*

Description

points

Usage

```
points
```

Format

An example data set for plotting

Examples

```
points
```

pois_cols *poisson colours*

Description

poisson colours

Usage

```
pois_cols(colours = NULL)
```

Arguments

colours	Character names of Poisson colours

Value

A named vector of hex colours

Examples

```
pois_cols()
```

pois_pal *poisson palettes*

Description

poisson palettes

Usage

```
pois_pal(palette = NULL)
```

Arguments

palette	Character names of Poisson palettes. One of 'discrete', 'hot', 'cool'.

Value

A named vector of hex colours

Examples

```
pois_pal()
```

pois_pal_custom *Return function to subset a user provided colour palette*

Description

Return function to subset a user provided colour palette

Usage

```
pois_pal_custom(palette, order = NULL, reverse = FALSE, ...)
```

Arguments

palette	Character name of palette in pois_palettes
order	A numeric or character vector indicating the order of colours in the palette. Can be a subset.
reverse	Boolean indicating whether the palette should be reversed
...	Additional arguments to pass to colourRampPalette()

pois_pal_disc *Return function to subset poisson colour palette*

Description

Return function to subset poisson colour palette

Usage

```
pois_pal_disc(palette = "discrete", order = NULL, reverse = FALSE, ...)
```

Arguments

palette	Character name of palette. See pos_pal() for palette options.
order	A numeric or character vector indicating the order of colours in the palette. Can be a subset.
reverse	Boolean indicating whether the palette should be reversed
...	Additional arguments to pass to colourRampPalette()

`pois_pal_grad` *Return interpolated color gradient for a continuous poisson colour palette*

Description

Return interpolated color gradient for a continuous poisson colour palette

Usage

```
pois_pal_grad(
  palette = "cool",
  reverse = FALSE,
  n_steps = 256,
  n_col = getOption("poispalette.n_col", NULL)
)
```

Arguments

`palette`	Character name of palette in pois_palettes, See `pos_pal()` for palette options.
`reverse`	Boolean indicating whether the palette should be reversed
`n_steps`	Number of steps in gradient
`n_col`	Number of colours to subset from the palette (optional)

`scale_colour_disc_poisson` *discrete colour scale constructor for poisson colours*

Description

discrete colour scale constructor for poisson colours

Usage

```
scale_colour_disc_poisson(
  ...,
  palette = getOption("poispalette.colours", "discrete"),
  order = NULL,
  reverse = FALSE
)
```

Arguments

...	Additional arguments passed to discrete_scale()
palette	Character name of palette in pois_palettes
order	A numeric or character vector indicating the order of colours in the palette. Can be a subset.
reverse	Boolean indicating whether the palette should be reversed

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scale_colour_grad_poisson

gradient colour scale constructor for poisson colours

Description

gradient colour scale constructor for poisson colours

Usage

```
scale_colour_grad_poisson(
  ...,
  palette = getOption("poispalette.gradient", "cool"),
  reverse = FALSE,
  n_steps = 256,
  n_col = getOption("poispalette.n_col", NULL)
)
```

Arguments

...	Additional arguments passed to scale_color_gradientn()
palette	Character name of palette in pois_palettes, or selection of colour names from pois_cols
reverse	Boolean indicating whether the palette should be reversed
n_steps	Number of steps in gradient
n_col	Number of colours to subset from the palette (optional)

scale_fill_disc_poisson

discrete fill scale constructor for poisson colours

Description

discrete fill scale constructor for poisson colours

Usage

```
scale_fill_disc_poisson(
  ...,
  palette = getOption("poispalette.colours", "discrete"),
  order = NULL,
  reverse = FALSE
)
```

Arguments

...	Additional arguments passed to discrete_scale()
palette	Character name of palette in pois_palettes
order	A numeric or character vector indicating the order of colours in the palette. Can be a subset.
reverse	Boolean indicating whether the palette should be reversed

scale_fill_grad_poisson

Gradient fill scale constructor for poisson colours

Description

Gradient fill scale constructor for poisson colours

Usage

```
scale_fill_grad_poisson(
  ...,
  palette = getOption("poispalette.gradient", "cool"),
  reverse = FALSE,
  n_steps = 256,
  n_col = getOption("poispalette.n_col", NULL)
)
```

Arguments

...	Additional arguments passed to scale_color_gradientn()
palette	Character name of palette in pois_palettes, or selection of colour names from pois_cols
reverse	Boolean indicating whether the palette should be reversed
n_steps	Number of steps in gradient
n_col	Number of colours to subset from the palette (optional)

Index