

Package: lcbcr (via r-universe)

September 17, 2024

Title LCBC brand package

Version 0.0.1.900

Description Functions and setups with brand styling and lab general setups.

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Encoding UTF-8

RoxygenNote 7.1.2

LazyData true

Depends R (>= 2.10)

Imports extrafont, dplyr, renv, gert, png, ggplot2, grDevices

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

VignetteBuilder knitr

Remotes LCBC-UiO/ggbrain

URL <https://github.com/LCBC-UiO/lcbcr>

BugReports <https://github.com/LCBC-UiO/lcbcr/issues>

Config/testthat/edition 3

Repository <https://lcbc-uio.r-universe.dev>

RemoteUrl <https://github.com/LCBC-UiO/lcbcr>

RemoteRef HEAD

RemoteSha 4aa9eb1b315eee8a8d4d5592bd2ea43ecb8072df

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add_lcbc_logo	<i>Add LCBC logo to plot</i>
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Description

in a ggplot, adding the logo should be added early in the plot building

Usage

```
add_lcbc_logo(type = "main", alpha = 0.4, ...)
```

Arguments

type	type of logo to get
alpha	opacity of logo
...	arguments to <code>annotation_custom</code>

Examples

```
library(ggplot2)
ggplot(mtcars, aes(x = wt, y = disp, colour = cyl)) +
  geom_point() +
  add_lcbc_logo()
```

create_paper_project *Initiate a paper project*

Description

Initiate a paper project

Usage

```
create_paper_project(  
  dir,  
  title,  
  use_git = TRUE,  
  use_renv = FALSE,  
  edit = interactive()  
)
```

Arguments

dir	directory to create the project in
title	Title of the project
use_git	initiate git or not (default TRUE)
use_renv	initiate renv or not (default FALSE)
edit	Should files to edit be opened.

Value

no return

lcbc_cols *Function to extract lcbc colors as hex codes*

Description

Function to extract lcbc colors as hex codes

Usage

```
lcbc_cols(...)
```

Arguments

... Character names of lcbc_colors

lcbc_install_font *Install Avenir font for LCBC branding*

Description

Install Avenir font for LCBC branding

Usage

```
lcbc_install_font(...)
```

Arguments

... arguments to [font_import](#)

Examples

```
lcbc_install_font()
```

lcbc_logo_grob *LCBC logo graphics object*

Description

LCBC logo graphics object

Usage

```
lcbc_logo_grob(type = "main", alpha = 0.4)
```

Arguments

type type of logo to get
alpha opacity of logo

Value

graphics object (grob)

lcbc_logo_list	<i>List available LCBC logo variations</i>
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Description

List available LCBC logo variations

Usage

```
lcbc_logo_list()
```

Value

character vector of logo names

Examples

```
lcbc_logo_list()
```

lcbc_pal	<i>Return function to interpolate a lcbc color palette</i>
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Description

Return function to interpolate a lcbc color palette

Usage

```
lcbc_pal(palette = "main", reverse = FALSE, ...)
```

Arguments

palette	Character name of palette in lcbc_palettes
reverse	Boolean indicating whether the palette should be reversed
...	Additional arguments to pass to colorRampPalette()

`lcbc_projects`*Projects at LCBC*

Description

Projects at LCBC

Usage`lcbc_projects()`**Value**

data frame with information on LCBC projects

Examples`lcbc_projects()`

`lcbc_sites`*LCBC MRI sites*

Description

LCBC MRI sites

Usage`lcbc_sites()`**Value**

data frame with information on LCBC MRI data sites

Examples`lcbc_sites()`

project_cols	<i>Function to extract project colors as hex codes</i>
--------------	--------------------------------------------------------

Description

Function to extract project colors as hex codes

Usage

```
project_cols(...)
```

Arguments

... Character names of project_colors

project_pal	<i>Return function to interpolate a project color palette</i>
-------------	---------------------------------------------------------------

Description

Return function to interpolate a project color palette

Usage

```
project_pal(palette = "main", reverse = FALSE, ...)
```

Arguments

palette Character name of palette in project_palettes
reverse Boolean indicating whether the palette should be reversed
... Additional arguments to pass to colorRampPalette()

scale_color_lcbc *Color scale constructor for lcbc colors*

Description

Color scale constructor for lcbc colors

Usage

```
scale_color_lcbc(palette = "main", discrete = TRUE, reverse = FALSE, ...)
```

Arguments

palette	Character name of palette in lcbc_palettes
discrete	Boolean indicating whether color aesthetic is discrete or not
reverse	Boolean indicating whether the palette should be reversed
...	Additional arguments passed to discrete_scale() or scale_color_gradientn(), used respectively when discrete is TRUE or FALSE

scale_color_proj *Color scale constructor for proj colors*

Description

Color scale constructor for proj colors

Usage

```
scale_color_proj(palette = "main", discrete = TRUE, reverse = FALSE, ...)
```

Arguments

palette	Character name of palette in project_palettes
discrete	Boolean indicating whether color aesthetic is discrete or not
reverse	Boolean indicating whether the palette should be reversed
...	Additional arguments passed to discrete_scale() or scale_color_gradientn(), used respectively when discrete is TRUE or FALSE

scale_colour_lcbc *Colour scale constructor for lcbc colors*

Description

Colour scale constructor for lcbc colors

Usage

```
scale_colour_lcbc(palette = "main", discrete = TRUE, reverse = FALSE, ...)
```

Arguments

palette	Character name of palette in lcbc_palettes
discrete	Boolean indicating whether color aesthetic is discrete or not
reverse	Boolean indicating whether the palette should be reversed
...	Additional arguments passed to discrete_scale() or scale_color_gradientn(), used respectively when discrete is TRUE or FALSE

scale_colour_proj *Colour scale constructor for proj colors*

Description

Colour scale constructor for proj colors

Usage

```
scale_colour_proj(palette = "main", discrete = TRUE, reverse = FALSE, ...)
```

Arguments

palette	Character name of palette in project_palettes
discrete	Boolean indicating whether color aesthetic is discrete or not
reverse	Boolean indicating whether the palette should be reversed
...	Additional arguments passed to discrete_scale() or scale_color_gradientn(), used respectively when discrete is TRUE or FALSE

scale_fill_lcbc *Fill scale constructor for lcbc colors*

Description

Fill scale constructor for lcbc colors

Usage

```
scale_fill_lcbc(palette = "main", discrete = TRUE, reverse = FALSE, ...)
```

Arguments

palette	Character name of palette in lcbc_palettes
discrete	Boolean indicating whether color aesthetic is discrete or not
reverse	Boolean indicating whether the palette should be reversed
...	Additional arguments passed to discrete_scale() or scale_color_gradientn(), used respectively when discrete is TRUE or FALSE

scale_fill_proj *Fill scale constructor for proj colors*

Description

Fill scale constructor for proj colors

Usage

```
scale_fill_proj(palette = "main", discrete = TRUE, reverse = FALSE, ...)
```

Arguments

palette	Character name of palette in project_palettes
discrete	Boolean indicating whether color aesthetic is discrete or not
reverse	Boolean indicating whether the palette should be reversed
...	Additional arguments passed to discrete_scale() or scale_color_gradientn(), used respectively when discrete is TRUE or FALSE

theme_lcbc	<i>ggplot minimal theme for lcbc</i>
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Description

ggplot minimal theme for lcbc

Usage

```
theme_lcbc(base_size = NULL)
```

Arguments

base_size	text size
-----------	-----------

theme_lcbc_dark	<i>ggplot minimal theme for lcbc</i>
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Description

ggplot minimal theme for lcbc

Usage

```
theme_lcbc_dark(base_size = NULL)
```

Arguments

base_size	text size
-----------	-----------

theme_lcbc_dark_grid	<i>ggplot dark theme for lcbc</i>
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Description

ggplot dark theme for lcbc

Usage

```
theme_lcbc_dark_grid(base_size = NULL)
```

Arguments

base_size	text size
-----------	-----------

theme_lcbc_dark_void *ggplot minimal theme for lcbc*

Description

ggplot minimal theme for lcbc

Usage

```
theme_lcbc_dark_void(base_size = NULL)
```

Arguments

base_size text size

theme_lcbc_grid *ggplot theme for lcbc*

Description

ggplot theme for lcbc

Usage

```
theme_lcbc_grid(base_size = 10)
```

Arguments

base_size text size

theme_lcbc_void *ggplot minimal theme for lcbc*

Description

ggplot minimal theme for lcbc

Usage

```
theme_lcbc_void(base_size = NULL)
```

Arguments

base_size text size

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