

Package: deckhand (via r-universe)

January 27, 2025

Type Package

Title Create data heavy {pagedown} reports (slide decks)

Version 0.0.9

Maintainer The package maintainer <yourself@somewhere.net>

Description Generate {pagedown} reports for data heavy publications.

Often these types of reports have been laid out using presentation software and therefore called ``slide decks" even though they aren't presented but turned into PDFs and printed. A deckhand is an experienced seaman in the merchant navy who helps with the general running of a ship, the {deckhand} package helps you produce your report.

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URL <https://co-analysis.github.io/deckhand/>,
<https://github.com/co-analysis/deckhand>

BugReports <https://github.com/co-analysis/deckhand/issues>

Encoding UTF-8

LazyData true

Imports forcats, ggplot2, gt, htmltools, pagedown, purrr, readr, rmarkdown, showtext, stringr, svglite, sysfonts, tibble, tools

RoxygenNote 7.1.2

Roxygen list(markdown = TRUE)

Suggests stringi, knitr, palmerpenguins, tidy

VignetteBuilder knitr

Config/pak/sysreqs libfontconfig1-dev libfreetype6-dev make libicu-dev libpng-dev libxml2-dev libssl-dev libnode-dev libx11-dev zlib1g-dev

Repository <https://mattkerlogue.r-universe.dev>

RemoteUrl <https://github.com/co-analysis/deckhand>

RemoteRef HEAD

RemoteSha 368a31e9eff5c0385faa5546cebec85876f39c17

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co_colours	<i>Vector of CO colours</i>
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Description

A vector of Cabinet Office's corporate palette

Usage

```
co_colours
```

Format

An object of class character of length 11.

co_deck	<i>CO data reports</i>
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Description

CO data reports

Usage

```
co_deck(css = NULL, ...)
```

Arguments

css	Additional css files (default is NULL)
...	Arguments to pass on to <code>pagedown::html_paged()</code>

co_logo	<i>CO logo</i>
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Description

A simple function to return the embedded logo, either as an html element or the file path to the image.

Usage

```
co_logo(out = c("html", "path"))
```

Arguments

out	Either html or path
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export_plot	<i>Export report plot as PNG</i>
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Description

Export report plots with a sizing similar to that of the plot created by [insert_svg\(\)](#). Plots are exported as SVG if the file extension is .svg otherwise they are exported in PNG format.

Usage

```
export_plot(gg_plot, filename, width, height)
```

Arguments

gg_plot	The ggplot to render
filename	The file to export
width	The width in report columns
height	The height in report columns

insert_svg	<i>Insert plot as SVG</i>
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Description

A function to convert a ggplot object to an SVG image for rendering in the deckhand column/row grid structure

Usage

```
insert_svg(gg_plot, width, height)
```

Arguments

gg_plot	The ggplot to convert
width	The width of the plot, in page columns
height	The height of the plot, in page columns

output_table	<i>Export a gt pipeline into output format</i>
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Description

Take an table constructed via the gt package and format it so that it will work with the pagedown report template and css files.

Usage

```
output_table(  
  x,  
  id = NULL,  
  min_max_styling = FALSE,  
  drop_header = FALSE,  
  small = FALSE  
)
```

Arguments

x	The gt table
id	A unique id for the table
min_max_styling	Convert min/max flags to css classes
drop_header	Drop the table header row(s)
small	Whether to render in a smaller font

scale_co	<i>Use CO colours for colour scales</i>
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Description

The `scale*_co()` functions provide a way to easily apply a colour from the CO corporate palette to a chart, they take a single colour name and apply tints of that colour to the relevant series (colour/fill).

Usage

```
scale_colour_co(..., colour, direction = 1, show.na = FALSE)
```

```
scale_fill_co(..., fill, direction = 1, show.na = FALSE)
```

Arguments

<code>...</code>	Other arguments passed to discrete scale
<code>colour</code>	A colour name from <code>co_colours()</code> for <code>scale_colour_co()</code>
<code>direction</code>	The direction of the scale
<code>show.na</code>	Whether to show NA values
<code>fill</code>	A colour name from <code>co_colours()</code> for <code>scale_fill_co()</code>

show_co_colours	<i>Show palette colours</i>
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Description

A function to show the CO colour palette

Usage

```
show_co_colours()
```

show_example_report *Open example report in the browser*

Description

View the example report

Usage

```
show_example_report(type = c("html", "pdf"), location = c("web", "local"))
```

Arguments

type	Either html (the default) or pdf
location	Either web (the default) or local

Examples

```
## Not run:  
show_example_report()  
  
## End(Not run)
```

theme_co_report *Report plot theme*

Description

Provide common styling to ggplot objects

Usage

```
theme_co_report(  
  base = "minimal",  
  legend_position = "top",  
  legend_title = "none",  
  axis_text = "both",  
  axis_title = "none"  
)
```

Arguments

base	The base ggplot theme (either minimal or void)
legend_position	The location of the plot legend
legend_title	The title for the legend or "none" (the default) for no title
axis_text	Which axis to include text for: "both" (the default), "x", "y" or "none"
axis_title	Which axis to include titles for: "both", "x", "y" or "none" (the default)

tint_hex	<i>Produce tints of hex colours</i>
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Description

A function to produce a tinted version of a hexadecimal colour code

Usage

```
tint_hex(colour, tint, bg_colour = "#ffffff")
```

Arguments

colour	The colour to tint
tint	The percentage tint desired, higher is 'lighter'
bg_colour	The background colour to tint against, defaults to white

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