Package 'scientific'

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Type Package

Title Elegant Scientific Themed Reporting for 'Markdown'

Version 2024.1

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Description Offers 'markdown' output formats designed with various scientific styles, allowing users to generate PDF and HTML outputs. The output has a contemporary appearance with vibrant visuals, providing numerous styles for effective highlighting. The package also includes additional features specifically tailored for front-page slides, enhancing the overall presentation and customization options. The package was created using the 'tufte' <https://rstudio.github.io/tufte/> package code as a starting point.

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URL https://scientific.obi.obianom.com

BugReports https://github.com/oobianom/scientific/issues

Imports htmltools, knitr, rmarkdown, xfun

Suggests testthat

Encoding UTF-8

RoxygenNote 7.2.3

Config/testthat/edition 3

VignetteBuilder knitr

Language en-US

LazyData false

NeedsCompilation no

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Repository CRAN

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R topics documented:

handout *Scientific handout formats (PDF and HTML)*

Description

Template for creating scientific handout

Usage

```
handout(
  fig_width = 4,
  fig_height = 2.5,
  fig_crop = TRUE,
  dev = "pdf",
  highlight = "default",
  ...
)

book(
  fig_width = 4,
  fig_height = 2.5,
  fig_crop = TRUE,
  dev = "pdf",
  highlight = "default",
  ...
)

html(...)

newthought(text)

margin_note(text, icon = "&#8853;")

quote_footer(text)

sans_serif(text)
```

Arguments

fig_width	Default width (in inches) for figures
fig_height	Default height (in inches) for figures
fig_crop	Whether to crop PDF figures with the command pdfcrop. This requires the tools pdfcrop and ghostscript to be installed. By default, fig_crop = TRUE if these two tools are available.
dev	Graphics device to use for figure output (defaults to pdf)

highlight	Syntax highlighting style passed to Pandoc. Supported built-in styles include "default", "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "haddock", and "breezedark". Two custom styles are also included, "arrow", an accessible color scheme, and "rstudio", which mimics the default IDE theme. Alternatively, supply a path to a '.theme' file to use a custom Pandoc style. Note that custom theme requires Pandoc 2.0+. Pass NULL to prevent syntax highlighting.
...	Other arguments to be passed to pdf_document() or html_document() (note you cannot use the template argument in handout or the theme argument in html(); these arguments have been set internally)
text	A character string to be presented as a "new thought" (using small caps), or a margin note, or a footer of a quote
icon	A character string to indicate there is a hidden margin note when the page width is too narrow (by default it is a circled plus sign)

Details

handout() provides the PDF format

html() provides the HTML format based on the scientific CSS

newthought() can be used in inline R expressions in R Markdown

```
`r newthought(Some text)`
```

and it works for both HTML ('text') and PDF ('\newthought{text}') output.

margin_note() can be used in inline R expressions to write a margin note (like a sidenote but not numbered).

quote_footer() formats text as the footer of a quote. It puts text in '<footer></footer>' for HTML output, and after '\hfill' for LaTeX output (to right-align text).

sans_serif() applies sans-serif fonts to text.

Value

a PDF or HTML notebook output based on the R markdown document provided

Examples

```
## Not run:
# for Rmd to PDF
library(rmarkdown)
library(scientific)
rmdfile <- "input.Rmd"
rmarkdown::render(rmdfile,
  scientific::handout())

## End(Not run)
```

```
## Not run:
# for Rmd to HTML
library(rmarkdown)
library(scientific)
rmdfile <- "input.Rmd"
rmarkdown::render(rmdfile,
  scientific::html(
    toc = TRUE,
    toc_depth = 2))

## End(Not run)
newthought("In this section")
```

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