

# Package ‘rmdformats’

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**Maintainer** Julien Barnier <julien.barnier@cnrs.fr>

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**License** GPL (>= 2)

**Encoding** UTF-8

**Title** HTML Output Formats and Templates for 'rmarkdown' Documents

**Description** HTML formats and templates for 'rmarkdown' documents, with some extra features such as automatic table of contents, lightboxed figures, dynamic crosstab helper.

**Imports** knitr, rmarkdown, bookdown, htmltools

**Suggests** questionr

**URL** <https://github.com/juba/rmdformats>

**RoxygenNote** 7.0.2

**VignetteBuilder** knitr

**NeedsCompilation** no

**Author** Julien Barnier [aut, cre]

**Repository** CRAN

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`create.doc`*Create a new directory with a clean RMarkdown file*

---

### Description

This function creates a new subdirectory inside the current directory, which will contain a ready-to-use RMarkdown file to be rendered in the given format.

### Usage

```
create.doc(  
  dirname = "new-doc",  
  format = "html_clean",  
  report = FALSE,  
  makefile = TRUE  
)
```

### Arguments

<code>dirname</code>	name of the directory to create
<code>format</code>	R Markdown format to use
<code>report</code>	indicates if the new document is living in the report directory (for ProjectTemplate projects)
<code>makefile</code>	indicates if a ‘Makefile’ for HTML and PDF rendering should be created in the document folder

### Details

For now on, the available formats are "html\_clean", "html\_docco".

If `report` is `TRUE`, then a small snippet of code is added at the beginning of the Rmd file. This code allows to switch to the ProjectTemplate project root before running `load.project` when using the included Makefile.

### Value

No value is returned.

### Author(s)

Julien Barnier <julien.barnier@ens-lyon.fr> This function is heavily inspired and copied from the `create.project()` function of the ProjectTemplate package.

### Examples

```
## Not run:  
create.doc("MyDocument", format="html_clean")  
  
## End(Not run)
```

---

html_clean	<i>Convert to an HTML document</i>
------------	------------------------------------

---

## Description

Format for converting from R Markdown to an HTML document.

## Usage

```
html_clean(  
  fig_width = 6,  
  fig_height = 6,  
  fig_caption = TRUE,  
  highlight = "kate",  
  lightbox = TRUE,  
  thumbnails = TRUE,  
  gallery = FALSE,  
  pandoc_args = NULL,  
  md_extensions = NULL,  
  toc_depth = 2,  
  toc = TRUE,  
  mathjax = "rmdformats",  
  use_bookdown = FALSE,  
  ...  
)
```

## Arguments

fig_width	Default width (in inches) for figures
fig_height	Default width (in inches) for figures
fig_caption	TRUE to render figures with captions
highlight	Syntax highlighting style. Supported styles include "default", "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "haddock", and "textmate". Pass NULL to prevent syntax highlighting.
lightbox	if TRUE, add lightbox effect to content images
thumbnails	if TRUE display content images as thumbnails
gallery	if TRUE and lightbox is TRUE, add a gallery navigation between images in lightbox display
pandoc_args	arguments passed to the pandoc_args argument of rmarkdown <a href="#">html_document</a>
md_extensions	arguments passed to the md_extensions argument of rmarkdown <a href="#">html_document</a>
toc_depth	adjust table of contents depth
toc	if TRUE, display a table of contents
mathjax	set to NULL to disable Mathjax insertion

use\_bookdown if TRUE, uses `html_document2` instead of `html_document`, thus providing numbered sections and cross references

... Additional function arguments passed to R Markdown `html_document`

### Details

Styling and features are very similar to the ones from the great `knitrBootstrap` package by Jim Hester : <https://github.com/jimhester/knitrBootstrap>

### Value

R Markdown output format to pass to `render`

---

html_docco	<i>Convert to an HTML document</i>
------------	------------------------------------

---

### Description

Format for converting from R Markdown to an HTML document.

### Usage

```
html_docco(
  fig_width = 6,
  fig_height = 6,
  fig_caption = TRUE,
  highlight = "pygments",
  lightbox = TRUE,
  thumbnails = TRUE,
  gallery = FALSE,
  pandoc_args = NULL,
  md_extensions = NULL,
  mathjax = "rmdformats",
  use_bookdown = FALSE,
  ...
)
```

### Arguments

fig_width	Default width (in inches) for figures
fig_height	Default width (in inches) for figures
fig_caption	TRUE to render figures with captions
highlight	Syntax highlighting style. Supported styles include "default", "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "haddock", and "textmate". Pass NULL to prevent syntax highlighting.
lightbox	if TRUE, add lightbox effect to content images

thumbnails	if TRUE display content images as thumbnails
gallery	if TRUE and lightbox is TRUE, add a gallery navigation between images in lightbox display
pandoc_args	arguments passed to the pandoc_args argument of rmarkdown <a href="#">html_document</a>
md_extensions	arguments passed to the md_extensions argument of rmarkdown <a href="#">html_document</a>
mathjax	set to NULL to disable Mathjax insertion
use_bookdown	if TRUE, uses <a href="#">html_document2</a> instead of <a href="#">html_document</a> , thus providing numbered sections and cross references
...	Additional function arguments passed to rmarkdown <a href="#">html_document</a>

### Details

The CSS is heavily inspired from the default one of the docco project : <https://jashkenas.github.io/docco/>.

### Value

R Markdown output format to pass to [render](#)

---

knit\_print.pilltabs    *knitr printing function for pilltabs*

---

### Description

Not to be used directly

### Usage

```
## S3 method for class 'pilltabs'
knit_print(res, ...)
```

### Arguments

res	data to be printed, generated by <a href="#">pilltabs</a>
...	arguments passed to other methods

---

 material

*Material design - bootstrap HTML output format*


---

## Description

Format for converting from R Markdown to an HTML document with a material design theme.

## Usage

```
material(
  fig_width = 6,
  fig_height = 6,
  fig_caption = TRUE,
  highlight = "kate",
  lightbox = TRUE,
  thumbnails = TRUE,
  gallery = FALSE,
  cards = TRUE,
  mathjax = "rmdformats",
  pandoc_args = NULL,
  md_extensions = NULL,
  use_bookdown = FALSE,
  ...
)
```

## Arguments

<code>fig_width</code>	Default width (in inches) for figures
<code>fig_height</code>	Default width (in inches) for figures
<code>fig_caption</code>	TRUE to render figures with captions
<code>highlight</code>	Syntax highlighting style. Supported styles include "default", "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "haddock", and "textmate". Pass NULL to prevent syntax highlighting.
<code>lightbox</code>	if TRUE, add lightbox effect to content images
<code>thumbnails</code>	if TRUE display content images as thumbnails
<code>gallery</code>	if TRUE and lightbox is TRUE, add a gallery navigation between images in lightbox display
<code>cards</code>	if TRUE, sections will be presented as distinct and animated cards
<code>mathjax</code>	set to NULL to disable Mathjax insertion
<code>pandoc_args</code>	arguments passed to the <code>pandoc_args</code> argument of <code>rmarkdown::html_document</code>
<code>md_extensions</code>	arguments passed to the <code>md_extensions</code> argument of <code>rmarkdown::html_document</code>
<code>use_bookdown</code>	if TRUE, uses <code>html_document2</code> instead of <code>html_document</code> , thus providing numbered sections and cross references
<code>...</code>	Additional function arguments passed to R Markdown <code>html_document</code>

## Details

JavaScript and CSS taken and adapted from the Material design theme for Bootstrap 3 project : <https://github.com/FezVrasta/bootstrap-material-design>.

## Value

R Markdown output format to pass to [render](#)

---

pilltabs	<i>Given a cross-table, outputs HTML code to display several views of with a tabbed interface</i>
----------	---

---

## Description

Given a two dimensions contingency tables, this function outputs HTML code to display, within a dynamic tabbed interface, the count, line row percentages, column percentages and chi-squared residuals tables.

## Usage

```
pilltabs(  
  tab,  
  count = TRUE,  
  rows = TRUE,  
  cols = TRUE,  
  chisq = TRUE,  
  resid = TRUE,  
  row.names = TRUE  
)
```

## Arguments

tab	a two dimensions table object
count	wether or not to the display the count table
rows	wether or not to the display the row percentages table
cols	wether or not to the display the column percentages table
chisq	wether or not to the display the table chi-squared test results
resid	wether or not to the display the chi-squared residuals table
row.names	wether or not to display the table row names

## Details

The function is intended to be called inside an rmarkdown document.

**Value**

No value is returned.

**Author(s)**

Julien Barnier <julien.barnier@ens-lyon.fr>

**Examples**

```
data(airquality)
tab <- table(airquality$Month, airquality$Ozone > 25)
pilltabs(tab)
```

---

print.pilltabs	<i>Printing function for pilltabs</i>
----------------	---------------------------------------

---

**Description**

Not to be used directly

**Usage**

```
## S3 method for class 'pilltabs'
print(x, ...)
```

**Arguments**

x	data to be printed, generated by <a href="#">pilltabs</a>
...	arguments passed to other methods

---

readthedown	<i>Convert to an HTML document</i>
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---

**Description**

Format for converting from R Markdown to an HTML document.



**Usage**

```
readthedown(
  fig_width = 8,
  fig_height = 5,
  fig_caption = TRUE,
  highlight = "kate",
  lightbox = FALSE,
  thumbnails = FALSE,
  gallery = FALSE,
  pandoc_args = NULL,
  md_extensions = NULL,
  toc_depth = 2,
  mathjax = "rmdformats",
  use_bookdown = FALSE,
  ...
)
```

**Arguments**

<code>fig_width</code>	Default width (in inches) for figures
<code>fig_height</code>	Default width (in inches) for figures
<code>fig_caption</code>	TRUE to render figures with captions
<code>highlight</code>	Syntax highlighting style. Supported styles include "default", "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "haddock", and "textmate". Pass NULL to prevent syntax highlighting.
<code>lightbox</code>	if TRUE, add lightbox effect to content images
<code>thumbnails</code>	if TRUE display content images as thumbnails
<code>gallery</code>	if TRUE and <code>lightbox</code> is TRUE, add a gallery navigation between images in lightbox display
<code>pandoc_args</code>	arguments passed to the <code>pandoc_args</code> argument of <code>rmarkdown::html_document</code>
<code>md_extensions</code>	arguments passed to the <code>md_extensions</code> argument of <code>rmarkdown::html_document</code>
<code>toc_depth</code>	adjust table of contents depth
<code>mathjax</code>	set to NULL to disable Mathjax insertion
<code>use_bookdown</code>	if TRUE, uses <code>html_document2</code> instead of <code>html_document</code> , thus providing numbered sections and cross references
<code>...</code>	Additional function arguments passed to R Markdown <code>html_document</code>

**Details**

CSS adapted from the readtheorg theme of the org-html-themes project : <https://github.com/fniessen/org-html-themes>, which is itself inspired by the Read the docs theme : <https://readthedocs.org/>.

**Value**

R Markdown output format to pass to `render`

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