

Package ‘bookdownplus’

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Title Generate Assorted Books and Documents with R 'bookdown' Package

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Depends R (>= 3.1.0)

Imports bookdown (>= 0.3.17), xaringan, magick, knitr

Suggests

Description A collection and selector of R 'bookdown' templates. 'bookdownplus' helps you write academic journal articles, guitar books, chemical equations, mails, calendars, and diaries. R 'bookdownplus' extends the features of 'bookdown', and simplifies the procedure. Users only have to choose a template, clarify the book title and author name, and then focus on writing the text. No need to struggle in 'YAML' and 'LaTeX'.

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URL <https://github.com/pzhaonet/bookdownplus>

BugReports <https://github.com/pzhaonet/bookdownplus/issues>

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backup	<i>backup a file to backup/ folder, avoid overwriting it.</i>
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Description

backup a file to backup/ folder, avoid overwriting it.

Usage

```
backup(filename, ifbackup = TRUE)
```

Arguments

filename	the file to backup
ifbackup	whether to backup

Value

backup the files

bd	<i>Show demos</i>
----	-------------------

Description

Show demos

Usage

```
bd(template = NA, to = ".")
```

Arguments

template	NA or character, templates to show
to	character. The destination directory for the bookdown project

Value

demo files

Examples

bd(NULL)

bd2pd

Convert a bookdown project into a page down project

Description

Convert a bookdown project into a page down project

Usage

```
bd2pd(proj_path = ".", book_dir = NA)
```

Arguments

proj_path the path of the bookdown project
book_dir the folder name of the rendered book files

Value

a pagedown rmd file

Examples

```
## Not run:  
bd2pd()  
  
## End(Not run)
```

bookdownplus

Create demo files for building books with R bookdown package.

Description

Technically, bookdownplus is a collection and selector of R bookdown templates. bookdownplus helps you write academic journal articles, guitar books, chemical equations, mails, calendars, and diaries. R bookdownplus extends the features of bookdown, and simplifies the procedure. Users only have to choose a template, clarify the book title and author name, and then focus on writing the text. No need to struggle in YAML and LaTeX.

- Before starting, you have to install bookdown package, and other software and packages (i.e. 'Pandoc', 'LaTeX', rmarkdown, rticle, knitr, etc.) which bookdown depends on. See the [official manual of bookdown](#) for details.
- Run bookdownplus() and specify the template with template argument, You will get some files (e.g. index.Rmd, body.Rmd) and folders in your working directory. Although there are many other arguments for bookdownplus(), you can simply ignore them if you use bookdownplus package for the first time.
- Build it with bookdown. You will get a book file named *.pdf in _book/ folder.
- Write your own text in index.Rmd and body.Rmd, and build your own lovely book.

Usage

```
bookdownplus(  
  template = "copernicus",  
  more_output = NULL,  
  title = "title",  
  author = "author",  
  render = TRUE,  
  rproj = TRUE,  
  output_name = NA,  
  to = "./",  
  new = TRUE  
)
```

Arguments

template	character. Choose a template for your book or doc. The default template is 'thesis_classic'. Run template() to see the available templates.
more_output	optional output formats besides pdf_book, which can be (run get_output() for hints): <ul style="list-style-type: none">• NULL (default)• 'word_document2'• 'html_document2'• 'epub_book'

	<ul style="list-style-type: none"> • 'gitbook'
title	character. book title.
author	character. book author.
render	logical. whether to render automatically
rproj	logical. whether to created an .Rproj file automatically
output_name	chracter. the name of the output files. If NA (default), the template name will be used.
to	character. The destination directory for the bookdown project
new	logical. Whether create a new project. If FALSE, only render the existing book.

Value

demo files to build with bookdown

Examples

```
## Not run:
bookdownplus(render = FALSE)
for (i in get_template()[1:20, 1]) {
  # bookdownplus(template = i, more_output = more_output()[1:3], to = i)
}

## End(Not run)
```

copyfolder

copy necessary files to the working directory

Description

copy necessary files to the working directory

Usage

```
copyfolder(folder = "images")
```

Arguments

folder the folder name

Value

copy folders to the wd.

create	<i>Prepare a strict template skeleton to contribute to bookdownplus</i>
--------	---

Description

Prepare a strict template skeleton to contribute to bookdownplus

Usage

```
create(  
  template_name = "new",  
  bodyfile = "body.Rmd",  
  indexfile = "index.Rmd",  
  texfile = "t.tex"  
)
```

Arguments

template_name	character. template name.
bodyfile	character. name of the body file.
indexfile	character. name of the index file.
texfile	character. name of the texfile

Value

organized folders and files.

Examples

```
# create()
```

get_output	<i>Available output formats besides pdf_book</i>
------------	--

Description

Available output formats besides pdf_book

Usage

```
get_output(dataframe = FALSE)
```

Arguments

dataframe	logical. FALSE by default. whether return a vector or a data frame.
-----------	---

Value

a vector or a dataframe.

Examples

```
get_output()
```

get_template	<i>Available templates.</i>
--------------	-----------------------------

Description

Visit <https://b.pzhao.org> to see a gallery of the templates.

Usage

```
get_template()
```

Value

a dataframe displaying available templates.

Examples

```
get_template()
```

include_image	<i>Insert an image from a url</i>
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Description

This function is supposed to be used in R code chunks or inline R code expressions.

- If the output is not pdf, then this function works the same as `knitr::include_graphics()`.
- If the output is pdf, then the image will be downloaded to the `img_dir` directory and inserted.
- If the image is in gif format, then it will be converted into png before inserted into pdf.

Usage

```
include_image(img_url, img_dir = "images")
```

Arguments

<code>img_url</code>	The url of the image
<code>img_dir</code>	The path of the local image directory

Value

The same as the `knitr::include_graphics()` function

mail_font	<i>A deprecated function</i>
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Description

A deprecated function

Usage

```
mail_font()
```

Value

a message.

Examples

```
mail_font()
```

more_output	<i>Simple version of get_output()</i>
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Description

Simple version of get_output()

Usage

```
more_output()
```

Value

a vector of the output formats

Examples

```
more_output()
```

share	<i>Prepare a relaxed template folder to contribute to bookdownplus</i>
-------	--

Description

Prepare a relaxed template folder to contribute to bookdownplus

Usage

```
share(template_name = NA)
```

Arguments

template_name character. The template name.

Value

Prepare a folder for contribution.

Examples

```
# share()
```

template	<i>Simple version of get_template()</i>
----------	---

Description

Simple version of get_template()

Usage

```
template()
```

Value

a vector of the template names

Examples

```
template()
```

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