

Package ‘yamlme’

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Version 0.1.1

Encoding UTF-8

Title Writing 'YAML' Headers for 'R-Markdown' Documents

Depends R(>= 3.0.0)

Imports knitr,
methods,
testthat

Suggests devtools,
distill,
roxygen2,
rmarkdown,
covr

Description Setting layout through 'YAML' headers in 'R-Markdown' documents, enabling their automatic generation.
Functions and methods may summarize 'R' objects in automatic reports, for instance check-lists and further reports applied to the packages 'taxlist' and 'vegetable'.

LazyData true

Roxygen list(markdown = TRUE)

License GPL (>= 2)

URL <https://github.com/kamapu/yamlme>, <https://kamapu.github.io/rpkg/yamlme/>

BugReports <https://github.com/kamapu/yamlme/issues>

VignetteBuilder knitr

RoxygenNote 7.1.1.9000

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| | |
|-------|---------------------------------|
| print | <i>Print Method for rmd_doc</i> |
|-------|---------------------------------|

Description

Quick display for rmd_doc objects.

Usage

```
## S3 method for class 'rmd_doc'
print(x, maxlines = 15, ...)
```

Arguments

| | |
|----------|-----------------------------------------------------------------------------------------------------------|
| x | An object of class rmd_doc. |
| maxlines | An integer value indicating the number of lines used for the display. Longer documents will be truncated. |
| ... | Further arguments passed among methods (not yet in use). |

Value

A display of the resulting R-Markdown document in the console.

| | |
|----------|----------------------------------|
| read_rmd | <i>Read R-markdown Documents</i> |
|----------|----------------------------------|

Description

The function read_rmd() reads Rmd files into character vectors pasting a line break at the end of each line. The function txt_body() will do the same to one or more character vectors.

Usage

```
read_rmd(file, ..., skip_head = TRUE)

txt_body(...)
```

Arguments

| | |
|-----------|-------------------------------------------------------------------------------------------------------|
| file | Character value indicating the path and the name to the Rmd file. |
| ... | Arguments passed by read_rmd() to readLines(). In txt_body() they are character values passed to c(). |
| skip_head | Logical value indicating whether the yaml head should be skip or not. |

Value

A character vector that can be use as argument for the parameter body in the function `write_rmd()`.

Examples

```
## Not run:
Doc <- read_rmd(file.path(path.package("yamlme"), "taxlistjourney.Rmd"))

## End(Not run)
```

render_rmd

*Render documents from object***Description**

This function is a wrapper of `rmarkdown::render()` and will also work with file names but also enables the possibility of rendering from objects created by `write_rmd()`.

Usage

```
render_rmd(input, ...)

## S3 method for class 'character'
render_rmd(input, ...)

## S3 method for class 'rmd_doc'
render_rmd(
  input,
  output_file,
  temp_file = "_temp.Rmd",
  delete_temp = TRUE,
  ...
)
```

Arguments

| | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| input | Either a character value indicating the path and the name of the r-markdown file, or an object of class <code>rmd_doc</code> , written by <code>write_rmd()</code> . |
| ... | Further parameters passed to <code>rmarkdown::render()</code> . |
| output_file | A character value indicating the name of the output file. It is passed to <code>rmarkdown::render()</code> . |
| temp_file | A name for a temporary file created to render the object. |
| delete_temp | A logical value indicating whether <code>temp_file</code> should be deleted after rendering or not. |

Examples

```
## Not run:
## copy example to your working directory
filename <- "taxlistjourney.Rmd"
file.copy(from=file.path(path.package("yamlme"), filename), to=filename)

## Render the file with rmarkdown::render()
render_rmd(filename, output_file="example")

## Render the file with yamlme
text_document <- read_rmd(filename)

rmd_document <- write_rmd(title="my title", author="my name",
  output="html_document", body=text_document)

render_rmd(rmd_document, output_file="example2")

## End(Not run)
```

update

Update an rmd_doc

Description

Alternative to modify settings and content in `rmd_doc` objects. Note that to skip some elements of the YAML header, you can set the argument `NULL` to the respective parameter.

Usage

```
## S3 method for class 'rmd_doc'
update(object, ..., append, body)
```

Arguments

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| <code>object</code> | An object of class <code>rmd_doc</code> . |
| <code>...</code> | Named arguments to be inserted in the YAML header (passed to <code>write_rmd()</code>). |
| <code>append</code> | A piece of code to be appended in the header (passed to <code>write_rmd()</code>). |
| <code>body</code> | The content of the document that will be inserted after the header (passed to <code>write_rmd()</code>). |

write_rmd

*Writing yaml headers***Description**

This function generates yaml headers and Rmarkdown files by including the settings as arguments of the function. Comments and pieces of header can be also added through the argument `append`.

Usage

```
write_rmd(..., append, body = "", filename)
```

Arguments

| | |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <code>...</code> | Named arguments to be inserted in the YAML header. These arguments may be inserted either as vectors or lists. |
| <code>append</code> | A piece of code to be appended in the header. For instance, it can contain commented code. |
| <code>body</code> | The content of the document that will be inserted after the header. |
| <code>filename</code> | A character value with the name of the file to be written (usually a *.Rmd file). If missing, no file will be written by the function. |

Value

A character vector of class `rmd_doc` and, if argument set for parameter `filename`, an Rmd file.

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