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 methods

Suggests covr, devtools, knitr, rmarkdown, roxygen2, testthat

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 'vegtable'.

LazyData 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

NeedsCompilation no

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R topics documented:

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print   *Print Method for rmd_doc*

Description

Quick display for rmd_doc objects. This method also defines the way how objects are displayed in the console.

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.

Examples

```
## Create a new document
my_document <- write_rmd(
title = "A journey in rOpenSci",
author = "Miguel Alvarez",
output = "html_document",
body = read_rmd(file.path(path.package("yamlme"),
"taxlistjourney.Rmd")))
my_document

## Not run:
## Render the document
render_rmd(my_document, "taxlistjourney")

## End(Not run)
```

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read_rmd   *Read R-markdown Documents*

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,
  ...,
  append = "# document imported by 'read_rmd'",
  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().

append   Character value passed to function read_rmd().

skip_head   Logical value indicating whether the yaml head should be skip or not (this argument is not used at the moment).

Value

An object of class rmd_doc by the function read_rmd(). The function txt_body() retrieves a character vector suitable for the parameter body in the function write_rmd().

Examples

```
## Not run:
## Read pre-installed example
ex_document <- read_rmd(file.path(path.package("yamlme"),
    "taxlistjourney.Rmd"))

## Include this document as body
my_document <- write_rmd(
title = "A journey in rOpenSci",
author = "Miguel Alvarez",
output = "html_document",
body = ex_document)

## 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 rmd_doc, written by [write_rmd()](#).
...	Further parameters passed to [rmarkdown::render()](#).
output_file	A character value indicating the name of the output file. It is passed to [rmarkdown::render()](#).
temp_file	A name for a temporary file created to render the object.
delete_temp	A logical value indicating whether temp_file 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

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

Examples

```
## Not run:
my_document <- write_rmd(
title = "Sample Document", author = "Miguel Alavarez",
output = "html_document",
body = txt_body(
"# Intro",
"",
"This is just an example."))
my_document

## Change output format
my_document_v2 <- update(my_document, output = "pdf_document")
my_document_v2

## End(Not run)
```

---

write_rmd   *Writing R-Markdown Documents*

Description

This function generates YAML headers and R-Markdown documents 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

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

Value

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

Examples

```
## Not run:
my_document <- write_rmd(
title = "Sample Document", author = "Miguel Alavarez",
output = "html_document",
body = txt_body(
"# Intro",
"",
"This is just an example."))
my_document

## End(Not run)
```

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