

Package ‘chunkhooks’

October 12, 2022

Title Chunk Hooks for 'R Markdown'

Version 0.0.1

Maintainer Atsushi Yasumoto <atusy.rpkg@gmail.com>

Description Set chunk hooks for 'R Markdown' documents <<https://rmarkdown.rstudio.com/>>, and improve user experience.
For example, change units of figure sizes, benchmark chunks, and number lines on code blocks.

License MIT + file LICENSE

URL <https://chunkhooks.atusy.net>, <https://github.com/atusy/chunkhooks>

Encoding UTF-8

Language en-US

LazyData true

RoxygenNote 7.1.1

Imports knitr, measurements, prettyunits

Suggests spelling, testthat, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

Author Atsushi Yasumoto [aut, cph, cre]
(<<https://orcid.org/0000-0002-8335-495X>>)

Repository CRAN

Date/Publication 2020-08-05 15:00:02 UTC

R topics documented:

benchmark	2
hook_figure_unit	3
hook_numberLines	4
Index	5

benchmark	<i>Benchmark chunks</i>
-----------	-------------------------

Description

hook_benchmark sets a hook to benchmark chunks with the benchmark=TRUE option. The name of the trigger chunk option can be changed via the chunk_option parameter. The result is printed right after chunk outputs. See examples for the default printing format by format_benchmark.

Usage

```
hook_benchmark(
  trigger = "benchmark",
  default = NULL,
  format = format_benchmark,
  .set = TRUE
)

format_benchmark(result, options)

benchmarks
```

Arguments

trigger	A name of chunk option that triggers benchmark (default: "benchmark"). In order to trigger benchmark, specify TRUE as a value of this option.
default	A default value for the chunk option that triggers the hook (default: NULL).
format	A function to format a benchmark result (default: format_benchmark). It must accept two arguments, where the first is the benchmark result and the second is the list of current chunk options. NULL suppresses printing.
.set	TRUE or FALSE to set the hook.
result	A result of benchmark
options	A list of current chunk options

Format

An object of class environment of length 0.

Details

benchmarks records the results of benchmarks from chunks as a list named by chunk labels. If one requires complex formatting of benchmark results, then suppress automatic formatting by hook_benchmark(format = NULL). Then, retrieve benchmark results from benchmarks[["chunk-label"]]. Furthermore, format can happen conditionally by utilizing current chunk options via the second argument of the formatting function.

Value

invisible hook function

Examples

```
# Set a hook that triggers benchmarks if the `time` chunk option is not `NULL`.
hook_benchmark("time")

# Example of the default output format
# Input is sec. Output is prettified.
format_benchmark(1234, options = list(label = "example-chunk"))
```

hook_figure_unit	<i>Change the unit of figure size</i>
------------------	---------------------------------------

Description

By default, figure size of R Markdown is specified with inches. This function changes the default unit.

Usage

```
hook_figure_unit(unit = "mm", .set = TRUE)
```

Arguments

unit	A string of an unit (default: "mm"). Available units follow. <code>measurements::conv_unit_options\$length</code>
.set	TRUE or FALSE to set the hook.

Details

As a side effect, `fig.retina` is set to NULL because of <https://github.com/yihui/knitr/issues/1876>.

Value

invisible hook function

Examples

```
hook_figure_unit('mm')
```

hook_numberLines	<i>Number lines on code blocks</i>
------------------	------------------------------------

Description

Number lines on code blocks created by chunks, i.e. source, output, message, warning, and/or error.

Usage

```
hook_numberLines(targets = "source", .set = TRUE)
```

Arguments

targets	A character vector specifying what kind of code blocks automatically number lines (default: "source"). Choices are "source", "output", "message", "warning", and/or "error". NULL disables the automation.
.set	TRUE or FALSE to set the hook.

Value

invisible hook function

Examples

```
hook_numberLines("source")
```

Index

* datasets

benchmark, [2](#)

benchmark, [2](#)

benchmarks (benchmark), [2](#)

format_benchmark (benchmark), [2](#)

hook_benchmark (benchmark), [2](#)

hook_figure_unit, [3](#)

hook_numberLines, [4](#)