

Package: knitexercise (via r-universe)

October 26, 2024

Type Package

Title Knit Exercise Questions and Solutions from the Same R Markdown Document

Version 0.4.1

Description Provides a function to knit questions and solutions documents from the same R Markdown document.

License GPL-3

URL <https://github.com/remlapmot/knitexercise>,
<https://remlapmot.github.io/knitexercise/>

BugReports <https://github.com/remlapmot/knitexercise/issues>

Depends R (>= 4.0.0)

Imports knitr (>= 1.37), rmarkdown

Suggests testthat

VignetteBuilder knitr

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Repository <https://remlapmot.r-universe.dev>

RemoteUrl <https://github.com/remlapmot/knitexercise>

RemoteRef HEAD

RemoteSha 01654f41bbe7e297be3ce14b0b6edafa2cf2277b

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knitexercise-package *knitexercise: Knit exercise questions and solutions from the same R Markdown document*

Description

This package provides a custom knit function, `knit_exercise()`, which sets the global chunk option `include`. This is controlled by setting the `solutions` parameter in the YAML header of the R Markdown document.

Details

To generate your output document with questions set `solutions: FALSE`. For your output document containing the solutions set `solutions: TRUE`.

Your YAML header should look something like the following.

```
---
title: My Title
author: My Name
params:
  solutions: FALSE
knit: knitexercise::knit_exercise
output: html_document
---
```

For your solutions output document `-solutions` is added to the filename before the file extension.

There is a template R Markdown document which you can open through the following menu in RStudio: *File | New File | R Markdown... | From Template*, or with the following code.

```
rmarkdown::draft(
  "my_exercise.Rmd",
  template = "exercise_template",
  package = "knitexercise"
)
```

Author(s)

Maintainer: Tom Palmer <remlapmot@hotmail.com> ([ORCID](#))

See Also

Useful links:

- <https://github.com/remlapmot/knitexercise>
- <https://remlapmot.github.io/knitexercise/>
- Report bugs at <https://github.com/remlapmot/knitexercise/issues>

knit_exercise	<i>Custom Knit function for RStudio</i>
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Description

This function adds `-solutions` to the end of the filename before the file extension of the output document from your R Markdown document when rendered by clicking the Knit button in RStudio and when you have set `solutions: TRUE` in the `params:` field of your YAML header.

Usage

```
knit_exercise(inputFile, encoding)
```

Arguments

<code>inputFile</code>	The name of the R Markdown file to be rendered.
<code>encoding</code>	As per <code>rmarkdown::render_site()</code> this is ignored. The encoding is always assumed to be UTF-8.

Details

This function is used with the `knit:` field of the YAML header of an R Markdown file. For example, if you want pdf output the YAML header would be as follows.

```
---  
title: My Title  
params:  
  solutions: TRUE  
output: pdf_document  
knit: knitexercise::knit_exercise  
---
```

This function also sets the global chunk option `include` to the value specified by `solutions:`, i.e. set `solutions: FALSE` for your questions document and `solutions: TRUE` for your solutions document.

See Also

This function is modified from the following example by Yihui Xie <https://bookdown.org/yihui/rmarkdown-cookbook/custom-knit.html>.

Examples

```
## Not run:  
# To launch the R Markdown template run  
rmarkdown::draft(  
  'exercise.Rmd',
```

```
template = 'exercise_template',  
package = 'knitexercise')  
  
## End(Not run)
```

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