Package: flipbookr (via r-universe)

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Type Package

Title Parses Code, Creates Partial Code Builds, Delivers Code Movie

Version 0.1.0

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Description Flipbooks present code step-by-step and side-by-side with its output. Flipbookr helps creators build flipbooks efficiently because code pipelines are automatically parsed and prepped for presentation as flipbooks.

Encoding UTF-8

Imports dplyr, magrittr, tibble, stringr, tidyr, stringi, knitr, glue, purrr, rmarkdown

RoxygenNote 6.1.1

Suggests testthat

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URL https://github.com/EvaMaeRey/flipbookr

BugReports https://github.com/EvaMaeRey/flipbookr/issues

Repository https://evamaerey.r-universe.dev

RemoteUrl https://github.com/evamaerey/flipbookr

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Contents

chunk_reveal *Function takes code from referenced code chunk and returns partial code sequence to series of code chunks separated by slide breaks. Upon compiling you get step-by-step code walk-through.*

Description

Function takes code from referenced code chunk and returns partial code sequence to series of code chunks separated by slide breaks. Upon compiling you get step-by-step code walk-through.

Usage

```
chunk_reveal(chunk_name = NULL, break_type = "auto", left_assign = F,
  left_assign_add = NULL, lang = "r", omit = "#OMIT",
  code_seq = NULL, code_seq_lag = NULL, code_seq_lag2 = NULL,
  code_seq_target = NULL, code_seq_start = NULL, func_seq = NULL,
  num_breaks = NULL, display_type = c("code", "output"), title = "",
  md = NULL, md2 = NULL, replacements = NULL, replace = NULL,
  replacements2 = replacements, replace2 = replace,
  replacements3 = replacements, replace3 = replace, widths = NULL,
  float = "left", chunk_options = "", color = c("black", "black",
  "black"), font_size_code = "80%")
```

Arguments

chunk_name	a character string referring to the name of the source chunk for the flipbooking
break_type	"auto" is default finding appropriate breakpoints, "user" can be used with the special comment message #BREAK within the source code chunk, "non_seq" can be used for non sequential display of code with special comment messages #BREAK2 (will show in second frame) and #BREAK3 (will show in third frame), an integer input can be given too, to simply display the source code chunk multiple times which is appropriate for observing multiple realizations of sampling, "rotate" allows cycling through different lines of code, the comment #ROTATE is used for lines to by cycled through
left_assign	a logical, default is FALSE, if TRUE will print the object created in the upper left hand corner of the source code chunk at the end of each partial reveal
left_assign_add	a character string containing function for table formatting in output, for left assign case only
lang	a character string indicating what programming language will be used. "r" is default; "python" is experimental
omit	a character string, as a comment, indicating lines that should be omitted, defaults to "#OMIT"
code_seq	a list of code as character strings, the list will automatically be created based on the previous three arguments or the user can input code manually

code_seq_lag	a list of code as character strings, lagged, the list will automatically be created based on the previous three arguments or the user can input code manually
code_seq_lag2	a list of code as character strings, twice lagged, the list will automatically be created based on the previous three arguments or the user can input code manually
code_seq_target	a list of code as character strings, the length of code_seq, but only containing the last element of code_seq
code_seq_start	a list of code as character strings, the length of code_seq, but only containing the first element of code_seq
func_seq	a character string with function names; default is NULL and will reflect whatever function is highlighted from the code sequence
num_breaks	an integer, automatically calculated based on the length of the the code_seq list
display_type	a character string vector, the default is c("code", "output") for code and output to be displayed side-by-side, "output" will create spawned code chunks to only display output, "code" will create spawned code chunks only to show the partial code builds; "func" and "md" may also be displayed
title	a character string that may contain a title for the frames of the flipbook; this may included header info "## My Title" for example is a second level markdown title in Xaringan
md	a character string vector that contains markdown; each element will be shown on a separate slide in the display panel "md" (see display_type)
md2	a character string vector that contains markdown; each element will be shown on a separate slide in the display panel "md" (see display_type)
replacements	a character string vector to be replace the string indicated by the 'replace' parameter
replace	a character string to be replaced in the input code sequentially with the replacement vector elements
replacements2	a character string vector to be replace the string indicated by the 'replace2' parameter
replace2	a character string to be replaced in the input code sequentially with the replacement2 vector elements
replacements3	a character string vector to be replace the string indicated by the 'replace3' parameter
replace3	a character string to be replaced in the input code sequentially with the replacement3 vector elements
widths	a numeric vector containing relative widths for panels
float	defines css float parameter, defaults to "left"
chunk_options	input 'knitr' code chunk options as a string, default to empty string "", useful input might be "fig.height = 4, fig.width = 3"
color	defines css parameter, defaults to "black"
font_size_code	this ain't working yet!

Value

a string object is returned will only work in 'knitr' context

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`embed_flipbook` *embed_flipbook*

Description

embed_flipbook

Usage

```
embed_flipbook(chunk_name, break_type = "auto",
  code_file_name = paste0("embedded_flipbooks/", chunk_name, ".R"),
  rmd_path = paste0("embedded_flipbooks/", chunk_name, "_embed.Rmd"),
  title = stringr::str_replace_all(chunk_name, "_|\\.", " "),
  subtitle = "", author = "", url = paste0("embedded_flipbooks/",
  chunk_name, "_embed.html"), height = 325, font_size = 120,
  title_page = F, ...)
```

Arguments

`chunk_name`	a character string referring named chunk containing code to 'flipbook'
`break_type`	"auto" is default finding appropriate breakpoints, "user" can be used with the special comment message #BREAK within the source code chunk, "non_seq" can be used for non sequential display of code with special comment messages #BREAK2 (will show in second frame) and #BREAK3 (will show in third frame), an integer input can be given too, to simply display the source code chunk multiple times which is appropriate for observing multiple realizations of sampling, "rotate" allows cycling through different lines of code, the comment #ROTATE is used for lines to by cycled through
`code_file_name`	a .R file path where chunk's code will be saved
`rmd_path`	an .Rmd path were source of mini flipbook will be saved
`title`	a character string if a title is desired for the embedded flipbook, defaults to modified chunk name
`subtitle`	a character string for the embedded flipbook's subtitle, defaults to ""
`author`	a character string for the embedded flipbook's author info, defaults to ""
`url`	path to .html rendered mini flipbook
`height`	numeric size of iframe, defaults to 325
`font_size`	numeric to adjust the size of code in embedded flipbooks
`title_page`	logical indicating whether to include a title page for the mini flipbook, defaults to FALSE
`...`	inherits from chunk_reveal()

`text_reveal` *Function takes character string, splits it based on delimiter, and returns each element of the resultant vector on its own slide*

Description

Function takes character string, splits it based on delimiter, and returns each element of the resultant vector on its own slide

Usage

```
text_reveal(text, sep = "   ", md_prefix = "#", sep_replace = "",
  slide_break = "---", class = "class: inverse, middle, center")
```

Arguments

`text`	a character string to be split and delivered piece-wise to a slide
`sep`	a character string to delimit the split of the input text
`md_prefix`	a character string prefix to each markdown element, defaults to "#"
`sep_replace`	a character string that will replace the delimiter, defaults to empty string ""
`slide_break`	a character string containing slide break characters, defaults to "—" for xaringan slideshows
`class`	a character string in which you can set the class, defaults to "class: inverse, middle, center"

Value

knit text to be interpreted as slides

Examples

```
text_reveal("Hello world", sep = " ")
```

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