

Package ‘xaringan’

September 24, 2020

Type Package

Title Presentation Ninja

Version 0.17

Description Create HTML5 slides with R Markdown and the JavaScript library 'remark.js' (<<https://remarkjs.com>>).

Imports htmltools, knitr (>= 1.30), servr (>= 0.13), xfun (>= 0.6), rmarkdown

Suggests rstudioapi, testit

License MIT + file LICENSE

URL <https://github.com/yihui/xaringan>

BugReports <https://github.com/yihui/xaringan/issues>

VignetteBuilder knitr

Encoding UTF-8

RoxygenNote 7.1.1

NeedsCompilation no

Author Yihui Xie [aut, cre] (<<https://orcid.org/0000-0003-0645-5666>>),
Alessandro Gasparini [ctb] (<<https://orcid.org/0000-0002-8319-7624>>),
Benjie Gillam [ctb],
Claus Thorn Ekstrøm [ctb],
Daniel Anderson [ctb],
Dawei Lang [ctb],
Emi Tanaka [ctb],
Garrick Aden-Buie [ctb] (<<https://orcid.org/0000-0002-7111-0077>>),
Iñaki Ucar [ctb] (<<https://orcid.org/0000-0001-6403-5550>>),
John Little [ctb],
Joselyn Chávez [ctb] (<<https://orcid.org/0000-0002-4974-4591>>),
Joseph Casillas [ctb],
Lucy D'Agostino McGowan [ctb] (<<https://orcid.org/0000-0001-7297-9359>>),
Malcolm Barrett [ctb] (<<https://orcid.org/0000-0003-0299-5825>>),
Matthew Mark Strasiotto [ctb] (mstr3336),
Michael Wayne Kearney [ctb],

Nan-Hung Hsieh [ctb],
 Ole Petter Bang [ctb] (CSS in
 rmarkdown/templates/xaringan/resources/default.css),
 Patrick Schratz [ctb],
 Paul Klemm [ctb] (<<https://orcid.org/0000-0002-5985-1737>>),
 Paul Lemmens [ctb],
 Sean Lopp [ctb],
 Yongfu Liao [ctb],
 Yue Jiang [ctb] (<<https://orcid.org/0000-0002-9798-5517>>)

Maintainer Yihui Xie <xie@yihui.name>

Repository CRAN

Date/Publication 2020-09-24 08:00:02 UTC

R topics documented:

decktape	2
infinite_moon_reader	3
moon_reader	4
summon_remark	6
Index	7

decktape	<i>Convert HTML presentations to PDF via DeckTape</i>
----------	---

Description

This function can use either the `decktape` command or the hosted docker image of the **decktape** library to convert HTML slides to PDF (including slides produced by **xaringan**).

Usage

```
decktape(
  file,
  output,
  args = "--chrome-arg=--allow-file-access-from-files",
  docker = Sys.which("decktape") == "",
  version = "",
  open = FALSE
)
```

Arguments

file	The path to the HTML presentation file. When <code>docker = FALSE</code> , this path could be a URL to online slides.
output	The desired output path of the PDF file.

args	Command-line arguments to be passed to dectape.
docker	Whether to use Docker (TRUE) or use the dectape command directly (FALSE). By default, if dectape has been installed in your system and can be found via <code>Sys.which('dectape')</code> , it will be used directly.
version	The dectape version when you use Docker.
open	Whether to open the resulting PDF with your system PDF viewer.

Value

The output file path (invisibly).

Note

For some operating systems you may need to **add yourself to the docker group** and restart your machine if you use DeckTape via Docker. By default, the latest version of the **dectape** Docker image is used. In case of errors, you may want to try older versions (e.g., `version = '2.8.0'`).

References

DeckTape: <https://github.com/astefanutti/dectape>. Docker: <https://www.docker.com>.

Examples

```
if (interactive()) {
  xaringan::dectape("https://slides.yihui.org/xaringan", "xaringan.pdf",
    docker = FALSE)
}
```

`infinite_moon_reader` *Serve and live reload slides*

Description

Use the **servr** package to serve and reload slides on change. `inf_mr()` is an alias of `infinite_moon_reader()`.

Usage

```
infinite_moon_reader(moon, cast_from = ".", ...)
```

```
inf_mr(moon, cast_from = ".", ...)
```

Arguments

moon	The input Rmd file path (if missing and in RStudio, the current active document is used).
cast_from	The root directory of the server.
...	Passed to <code>rmarkdown::render()</code> .

Details

The Rmd document is compiled continuously to trap the world in the Infinite Tsukuyomi. The genjutsu is cast from the directory specified by `cast_from`, and the Rinne Sharingan will be reflected off of the moon.

Note

This function is not really tied to the output format `moon_reader()`. You can use it to serve any single-HTML-file R Markdown output.

References

https://naruto.fandom.com/wiki/Infinite_Tsukuyomi

See Also

`servr::http`

moon_reader

An R Markdown output format for remark.js slides

Description

This output format produces an HTML file that contains the Markdown source (knitted from R Markdown) and JavaScript code to render slides. `tsukuyomi()` is an alias of `moon_reader()`.

Usage

```
moon_reader(
  css = c("default", "default-fonts"),
  self_contained = FALSE,
  seal = TRUE,
  yolo = FALSE,
  chakra = "https://remarkjs.com/downloads/remark-latest.min.js",
  nature = list(),
  ...
)

tsukuyomi(...)
```

Arguments

`css` A vector of CSS file paths. Two default CSS files ('default.css' and 'default-fonts.css') are provided in this package, which was borrowed from <https://remarkjs.com>. If the character vector `css` contains a value that does not end with `.css`, it is supposed to be a built-in CSS file in this package, e.g., for `css = c('default', 'extra.css')`, it means `default.css` in this package and a user-provided `extra.css`. To find out all built-in CSS files, use `xaringan::list_css()`.

self_contained	Whether to produce a self-contained HTML file.
seal	Whether to generate a title slide automatically using the YAML metadata of the R Markdown document (if FALSE, you should write the title slide by yourself).
yolo	Whether to insert the Mustache Karl (TM) randomly in the slides. TRUE means insert his picture on one slide, and if you want him to be on multiple slides, set yolo to a positive integer or a percentage (e.g. 0.3 means 30% of your slides will be the Mustache Karl). Alternatively, yolo can also be a list of the form <code>list(times = n, img = path)</code> : n is the number of times to show an image, and path is the path to an image (by default, it is Karl).
chakra	A path to the remark.js library (can be either local or remote). Please note that if you use the default remote latest version of remark.js, your slides will not work when you do not have Internet access. They might also be broken after a newer version of remark.js is released. If these issues concern you, you should download remark.js locally (e.g., via <code>summon_remark()</code>), and use the local version instead.
nature	(Nature transformation) A list of configurations to be passed to <code>remark.create()</code> , e.g. <code>list(ratio = '16:9', navigation = list(click = TRUE))</code> ; see https://github.com/gnab/remark/wiki/Configuration . Besides the options provided by remark.js, you can also set <code>autoplay</code> to a number (the number of milliseconds) so the slides will be played every <code>autoplay</code> milliseconds; alternatively, <code>autoplay</code> can be a list of the form <code>list(interval = N, loop = TRUE)</code> , so the slides will go to the next page every N milliseconds, and optionally go back to the first page to restart the play when <code>loop = TRUE</code> . You can also set <code>countdown</code> to a number (the number of milliseconds) to include a countdown timer on each slide. If using <code>autoplay</code> , you can optionally set <code>countdown</code> to TRUE to include a countdown equal to <code>autoplay</code> . To alter the set of classes applied to the title slide, you can optionally set <code>titleSlideClass</code> to a vector of classes; the default is <code>c("center", "middle", "inverse")</code> .
...	For <code>tsukuyomi()</code> , arguments passed to <code>moon_reader()</code> ; for <code>moon_reader()</code> , arguments passed to <code>rmarkdown::html_document()</code> .

Details

Tsukuyomi is a genjutsu to trap the target in an illusion on eye contact.

If you are unfamiliar with CSS, please see the [xaringan wiki on Github](#) providing CSS slide modification examples.

Note

Do not stare at Karl's picture for too long after you turn on the yolo mode. I believe he has Sharingan.

Local images that you inserted via the Markdown syntax `` will not be embedded into the HTML file when `self_contained = TRUE` (only CSS, JavaScript, and R plot files will be embedded). You may also download remark.js (via `summon_remark()`) and use a local copy instead of the default `chakra` argument when `self_contained = TRUE`, because it may be time-consuming for Pandoc to download remark.js each time you compile your slides.

Each page has its own countdown timer (when the option `countdown` is set in `nature`), and the timer is (re)initialized whenever you navigate to a new page. If you need a global timer, you can use the presenter's mode (press P).

References

<https://naruto.fandom.com/wiki/Tsukuyomi>

Examples

```
# remarkdown::render('foo.Rmd', 'xaringan::moon_reader')
```

summon_remark	<i>Summon remark.js to your local disk</i>
---------------	--

Description

Download a version of the `remark.js` script to your local disk, so you can render slides offline. You need to change the `chakra` argument of `moon_reader()` after downloading `remark.js`.

Usage

```
summon_remark(version = "latest", to = "libs/")
```

Arguments

<code>version</code>	The version of <code>remark.js</code> (e.g. <code>latest</code> , <code>0.13</code> , or <code>0.14.1</code>).
<code>to</code>	The destination directory.

Index

decktape, [2](#)

html_document, [5](#)

http, [4](#)

inf_mr(infinite_moon_reader), [3](#)

infinite_moon_reader, [3](#)

moon_reader, [4](#), [4](#), [6](#)

render, [3](#)

summon_remark, [5](#), [6](#)

tsukuyomi(moon_reader), [4](#)