

# Package ‘xaringan’

January 19, 2020

**Type** Package

**Title** Presentation Ninja

**Version** 0.14

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

**Imports** htmltools, knitr (>= 1.21), 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** 7.0.2

**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],  
Iñaki Ucar [ctb] (<<https://orcid.org/0000-0001-6403-5550>>),  
John Little [ctb],  
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>>),  
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](mailto:xie@yihui.name)>

**Repository** CRAN

**Date/Publication** 2020-01-19 18:50:02 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

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

docker	Whether to use Docker (TRUE) or use the decktape command directly (FALSE). By default, if <b>decktape</b> has been installed in your system and can be found via <code>Sys.which('decktape')</code> , it will be used directly.
version	The <b>decktape</b> 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 **decktape** 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/decktape>. Docker: <https://www.docker.com>.

**Examples**

```
if (interactive()) {
  xaringan::decktape("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 = ".", params = NULL)
```

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

**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.
params	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**

[http://naruto.wikia.com/wiki/Infinite\\_Tsukuyomi](http://naruto.wikia.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 <b>Mustache Karl (TM)</b> 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).
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 <a href="https://github.com/gnab/remark/wiki/Configuration">https://github.com/gnab/remark/wiki/Configuration</a> . 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. 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

<http://naruto.wikia.com/wiki/Tsukuyomi>

## Examples

```
# rmarkdown::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 remark.js (e.g. latest, 0.13, or 0.14.1).
<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](#)