Package 'revealjs'

July 23, 2025

Type Package

Title R Markdown Format for 'reveal.js' Presentations

Version 0.10.0

Description R Markdown format for 'reveal.js' presentations, a framework
for easily creating beautiful presentations using HTML.

License MIT + file LICENSE

URL <https://github.com/rstudio/revealjs>

BugReports <https://github.com/rstudio/revealjs/issues>

Depends R (>= 3.0)

Imports rmarkdown (>= 1.7)

Suggests bslib, testthat (>= 3.0.0), withr (>= 2.4.2), xfun (>= 0.21),
xml2

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.3.2

Config/Needs/website pkgdown, tidyverse/tidytemplate, rstudio/quillt

NeedsCompilation no

Author Christophe Dervieux [cre],
JJ Allaire [aut],
Hakim El Hattab [aut, cph] (reveal.js,
https://github.com/hakimel/reveal.js),
Asvin Goel [ctb, cph] (chalkboard plugin),
Greg Denehy [ctb, cph] (menu plugin),
Posit Software, PBC [cph, fnd]

Maintainer Christophe Dervieux <cderv@posit.co>

Repository CRAN

Date/Publication 2025-04-03 10:50:02 UTC

Contents

---

revealjs_presentation   *Convert to a reveal.js presentation*

Description

Format for converting from R Markdown to a reveal.js presentation.

Usage

```
revealjs_presentation(
  incremental = FALSE,
  center = FALSE,
  slide_level = 2,
  toc = FALSE,
  toc_depth = 3,
  fig_width = 8,
  fig_height = 6,
  fig_retina = if (!fig_caption) 2,
  fig_caption = FALSE,
  self_contained = TRUE,
  theme = "simple",
  transition = "convex",
  background_transition = "fade",
  reveal_options = NULL,
  reveal_plugins = NULL,
  highlight = "default",
  mathjax = "default",
  template = "default",
  css = NULL,
  includes = NULL,
  keep_md = FALSE,
  lib_dir = NULL,
  pandoc_args = NULL,
  extra_dependencies = NULL,
  md_extensions = NULL,
  ...
)
```

Arguments

incremental   TRUE to render slide bullets incrementally. Note that if you want to reverse the
                default incremental behavior for an individual bullet you can precede it with >.
                For example: > - Bullet Text. See more in Pandoc's Manual

center	TRUE to vertically center content on slides
slide_level	Level of heading to denote individual slides. If slide_level is 2 (the default), a two-dimensional layout will be produced, with level 1 headers building horizontally and level 2 headers building vertically. It is not recommended that you use deeper nesting of section levels with reveal.js.
toc	TRUE to include a table of contents in the output (only level 1 headers will be included in the table of contents).
toc_depth	Depth of headers to include in table of contents
fig_width	Default width (in inches) for figures
fig_height	Default height (in inches) for figures
fig_retina	Scaling to perform for retina displays (defaults to 2, which currently works for all widely used retina displays). Set to NULL to prevent retina scaling. Note that this will always be NULL when keep_md is specified (this is because fig_retina relies on outputting HTML directly into the markdown document).
fig_caption	TRUE to render figures with captions
self_contained	Whether to generate a full LaTeX document (TRUE) or just the body of a LaTeX document (FALSE). Note the LaTeX document is an intermediate file unless keep_tex = TRUE.
theme	Visual theme ("simple", "dark", "black", "sky", "beige", "serif", "solarized", "blood", "moon", "night", "league", or "white")
transition	Slide transition ("convex", "fade", "slide", "concave", "zoom", or "none")
background_transition	
	Slide background-transition ("convex", "fade", "slide", "concave", "zoom", or "none")
reveal_options	Additional options to specify for reveal.js (see https://revealjs.com/config/ for details). Options for plugins can also be passed, using plugin name as first level key (e.g list(slideNumber = FALSE, menu = list(number = TRUE))).
reveal_plugins	Reveal plugins to include. Available plugins include "notes", "search", "zoom", "chalkboard", and "menu". Note that self_contained must be set to FALSE in order to use Reveal plugins.
highlight	Syntax highlighting style passed to Pandoc.
	Supported built-in styles include "default", "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "haddock", and "breezedark".
	Two custom styles are also included, "arrow", an accessible color scheme, and "rstudio", which mimics the default IDE theme. Alternatively, supply a path to a '.theme' file to use a custom Pandoc style. Note that custom theme requires Pandoc 2.0+.
	Pass NULL to prevent syntax highlighting.
mathjax	Include mathjax. The "default" option uses an https URL from a MathJax CDN. The "local" option uses a local version of MathJax (which is copied into the output directory). You can pass an alternate URL or pass NULL to exclude MathJax entirely.

template	Pandoc template to use for rendering. Pass "default" to use the rmarkdown package default template; pass NULL to use pandoc's built-in template; pass a path to use a custom template that you've created. Note that if you don't use the "default" template then some features of revealjs_presentation won't be available (see the Templates section below for more details).
css	CSS and/or Sass files to include. Files with an extension of .sass or .scss are compiled to CSS via sass::sass(). Also, if theme is a bslib::bs_theme() object, Sass code may reference the relevant Bootstrap Sass variables, functions, mixins, etc.
includes	Named list of additional content to include within the document (typically created using the includes function).
keep_md	Keep the markdown file generated by knitting.
lib_dir	Directory to copy dependent HTML libraries (e.g. jquery, bootstrap, etc.) into. By default this will be the name of the document with _files appended to it.
pandoc_args	Additional command line options to pass to pandoc
extra_dependencies	Additional function arguments to pass to the base R Markdown HTML output formatter rmarkdown::html_document_base().
md_extensions	Markdown extensions to be added or removed from the default definition of R Markdown. See the rmarkdown_format for additional details.
...	Ignored

Details

In reveal.js presentations you can use level 1 or level 2 headers for slides. If you use a mix of level 1 and level 2 headers then a two-dimensional layout will be produced, with level 1 headers building horizontally and level 2 headers building vertically.

For additional documentation on using revealjs presentations see https://github.com/rstudio/revealjs

Value

R Markdown output format to pass to rmarkdown::render()

About plugins

Built-in plugins with reveal.js:

Zoom:
When activated, ALT + Click can be used to zoom on a slide.

Notes:
Show a speaker view in a separated window. This speaker view contains a timer, current slide, next slide, and speaker notes. It also duplicate the window to have presentation mode synchronized with main presentation.
Use

```
::: notes
Content of speaker notes
:::
```

to create notes only viewable in presentation mode.

Search:

When opt-in, it is possible to show a search box when pressing `CTRL + SHIFT + F`. It will seach in the whole presentation, and highlight matched words. The matches will also be highlighted in overview mode (pressing ESC to see all slides in one scrollable view)

Menu:

A slideout menu plugin for Reveal.js to quickly jump to any slide by title.

Version is currently used and documentation for configurations can be found at denehyg/reveal.js-menu

Known limitations:

Some configurations cannot be modified in the current template:

- `loadIcons: false` the fontawesome icons are loaded by **rmarkdown** when this plugin is used
- `custom: false`
- `themes: false`
- `transitions: false`

Chalkboard:

A plugin adding a chalkboard and slide annotation

Version is currently used and documentation for configurations can be found at rajgoel/reveal.js-plugins

By default, chalkboard and annotations modes will be accessible using keyboard shortcuts, respectively, pressing B, or pressing C. In addition, buttons on the bottom left can be added by using the following

```
reveal_plugins:
  - chalkboard
reveal_options:
  chalkboard:
    toggleNotesButton: true
    toggleChalkboardButton: true
```

Examples

```
## Not run:

library(rmarkdown)
library(revealjs)

# simple invocation
render("pres.Rmd", revealjs_presentation())

# specify an option for incremental rendering
render("pres.Rmd", revealjs_presentation(incremental = TRUE))
```

```
## End(Not run)
```

Index