

# {renderthis}

## Render media to different formats

John Paul Helveston & Garrick Aden-Buie

2022-07-14



# Installation

You can install the current version of renderthis from GitHub:

```
# install.packages("remotes")  
remotes::install_github("jhelvy/renderthis")
```

# Installation

You can install the current version of renderthis from GitHub:

```
# install.packages("remotes")  
remotes::install_github("jhelvy/renderthis")
```

## Supported output types:

- html
- pdf
- gif
- mp4
- pptx
- png
- social: png image of first slide  
sized for social media sharing  
(e.g. Twitter)

# Installation

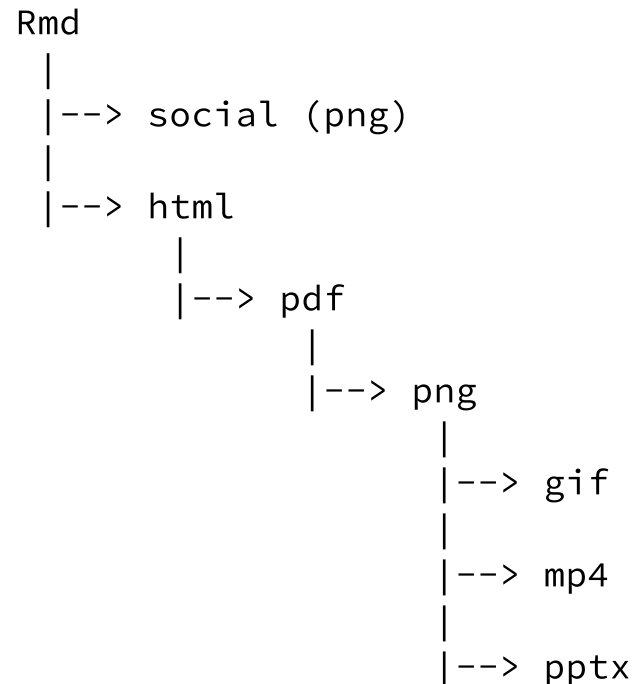
You can install the current version of renderthis from GitHub:

```
# install.packages("remotes")
remotes::install_github("jhelvy/renderthis")
```

## Supported output types:

- html
- pdf
- gif
- mp4
- pptx
- png
- social: png image of first slide sized for social media sharing (e.g. Twitter)

## Render hierarchy:



# Partial / incremental slides

For pdf, png, gif, mp4, and pptx output types, if you want to render a new slide for each increment on **incremental slides**, set `partial_slides = TRUE` in any of the following render functions:

```
to_pdf()  
to_png()  
to_gif()  
to_mp4()  
to_pptx()
```

# Partial / incremental slides

For pdf, png, gif, mp4, and pptx output types, if you want to render a new slide for each increment on **incremental slides**, set `partial_slides = TRUE` in any of the following render functions:

```
to_pdf()  
to_png()  
to_gif()  
to_mp4()  
to_pptx()
```

For example, the following code would render this slide as two slides in a pdf instead of one:

```
to_pdf("slides.Rmd", partial_slides = TRUE)  
to_pdf("slides.html", partial_slides = TRUE)
```

**Note:** This option requires the **chromote** and **pdftools** packages.

# Complex slides

"Complex" slides are slides that contain **panelsets** (like the one on this slide) or other html widgets / advanced features that might not render well as a pdf. To render these on separate slides, set `complex_slides = TRUE` in `to_pdf()`, `to_png()`, `to_gif()`, `to_mp4()`, or `to_pptx()`.

Chunk	Output
<pre>head(mtcars)</pre>	



# Complex slides

"Complex" slides are slides that contain **panelsets** (like the one on this slide) or other html widgets / advanced features that might not render well as a pdf. To render these on separate slides, set `complex_slides = TRUE` in `to_pdf()`, `to_png()`, `to_gif()`, `to_mp4()`, or `to_pptx()`.

Chunk

Output

```
##           mpg cyl  disp  hp drat   wt  qsec vs am gear carb
## Mazda RX4      21.0   6  160  110 3.90 2.620 16.46  0  1    4    4
## Mazda RX4 Wag  21.0   6  160  110 3.90 2.875 17.02  0  1    4    4
## Datsun 710     22.8   4  108   93 3.85 2.320 18.61  1  1    4    1
## Hornet 4 Drive  21.4   6  258  110 3.08 3.215 19.44  1  0    3    1
## Hornet Sportabout 18.7   8  360  175 3.15 3.440 17.02  0  0    3    2
## Valiant        18.1   6  225  105 2.76 3.460 20.22  1  0    3    1
```

# Use the `slides` argument to control which slides get built

Examples rendering from PDF to PNG:

```
# Render the first or last slide only
to_png(from = "slides.pdf", to = "first_slide.png", slides = "first")
to_png(from = "slides.pdf", to = "last_slide.png", slides = "last")

# Choose subsets of slides
to_png(from = "slides.pdf", slides = c(1, 3, 5))
to_png(from = "slides.pdf", slides = -1) # Negative indices remove

# Render all slides
to_png(from = "slides.pdf", slides = "all")
```

# Thanks!

Slides created via the R package **xaringan**.

Package documentation at <https://jhelvy.github.io/renderthis>



Visit **xaringan.club** for more {xaringan} tools!