

Slidify

Reproducible HTML Slides from R Markdown

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"Slidify is a tool that makes it easy to create, customize and publish, reproducible HTML5 slide decks using R Markdown."

Install Slidify

Slidify can be installed from github using Hadley's devtools package

```
library(devtools)
install_github('slidify', 'ramnathv')
```

If you are on Windows, you will need gcc and RTools to get devtools working.

"Slidify is a tool that makes it easy to create, customize and publish, reproducible HTML5 slide decks using R Markdown."

Create Deck

You can initialize a slide deck using the author function

```
library(slidify)
author("mydeck")
```

This will do the following

- 1. Create a new directory named mydeck.
- 2. Copy necessary scaffolding for the presentation.
- 3. If git is installed on the system
 - · initialize a new git repo.
 - checkout and switch to gh-pages branch
 - · add and commit all files to the repo
- 4. Open index.Rmd for you to edit.

slide separator

iframe>



Preparing for greatness...

Slidify is Awesome

"Slidify is a tool that makes it easy to create, customize and publish, reproducible HTML5 slide decks using R Markdown."

Customize

Slidify is designed to be modular and provide a high degree of customization for the more advanced users.

OPTION	DESCRIPTION	
framework	slide generation framework to use	
theme	theme to use for styling slide content	
highlighter	tool to use for syntax highlighting	
hitheme	style to use for syntax highlighting	
mode	draft, standalone or selfcontained	
url	path to assets and libraries	

Style your Deck

Use the options framework and theme to style your deck!

FRAMEWORK	THEME	
io2012		
html5slides	default, uulm	
html5rocks		
deck.js	web2.0, swiss, neon	
dzslides		
landslide	default, tango, clean	
shower	ribbon	
slidy		
slideous		
beamer		
showoff		

Slide Source

```
--- plot #simple-plot

## A Simple Plot ##

Let us create a simple scatterplot.

```{r simple-plot, fig.height = 6, fig.align = 'center', message = F}

require(ggplot2)

qplot(wt, mpg, data = mtcars)
```

# knit Slide

```
--- plot #simple-plot
A Simple Plot

Let us create a simple scatterplot.

```r

require(ggplot2)
qplot(wt, mpg, data = mtcars)

![plot of chunk simple-plot](figure/simple-plot.png)
```

Parsed Slide

\$id

[1] "simple-plot"

\$html

[1] "<h2>A Simple Plot</h2>\n\nLet us create a simple scatterplot.\n\n<code
class=\"r\">require(ggplot2)\nqplot(wt, mpg, data = mtcars)\n</code>\n\n \n"

\$header

[1] "<h2>A Simple Plot</h2>"

\$level

[1] "2"

\$title

[1] "A Simple Plot"

\$content

[1] "Let us create a simple scatterplot.\n\n<code class=\"r\">require(ggplot2)\nqplot(wt, mpg, data = mtcars)\n</code>\n\n\n"

Acknowledgements

R Packages

All the heavy lifting is actually done by three awesome R packages. Slidify is merely a wrapper around them.

- · Yihui Xie (knitr)
- · RStudio (markdown)
- · Edwin de Jonge (whisker)

HTML5 Slide Frameworks

Slidify builds on HTML5 slide frameworks created by several individuals and organizations.

FRAMEWORK	AUTHOR	LICENSE
html5slides	Luke Mah, Marcin Wichary	Apache
deck.js	Caleb Troughton	MIT/GPL
dzslides	Paul Roget	DWTFYW
html5rocks	Google	Apache
landslide	Adam Zapletal	Apache
shower	Vadim Makeev	MIT
slidy	Dave Ragett	MIT
slideous	Stefan Goessner	LGPL

Syntax Highlighters

Syntax highlighting is powered by open source highlighters.

HIGHLIGHTER	AUTHOR	LICENSE
highlight.js	Software Maniacs	MIT
Google Prettify	Google	Apache
highlight	Romain Francois	GPL

Markdown-HTML5 Converters

I have extensively borrowed ideas and features from HTML5 slide converters written in other languages. I have also borrowed from blogging frameworks.

LANGUAGE	FRAMEWORK
Ruby	showoff
Ruby	slideshow
Ruby	keydown
Ruby	ruhoh
Python	hieroglyph
Python	landslide
Haskell	pandoc

License

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HTML5 Slides with R

- 1. An Introduction to R
- 2. How to Make HTML Slides with knitr
- 3. Fancy HTML5 Slides with knitr and Pandoc
- 4. Visualize World Bank Data
- 5. Interactive Presentations with deck.js

R Markdown

- 1. Interactive Reports in R with knitr and RStudio
- 2. Getting Started with R Markdown, knitr and RStudio
- 3. Dynamic Content RStudio, Markdown and Marked
- 4. Using Markdown with RStudio
- 5. Example Reproducible Report using R Markdown
- 6. Interactive Slides with R, googleVis and knitR
- 7. knitr, Slideshows and Dropbox