

# Package ‘slickR’

October 14, 2017

**Version** 0.2.2

**Date** 2017-10-13

**Title** Create Interactive Carousels with the JavaScript 'Slick' Library

**Description** Create and customize interactive carousels using the 'Slick' JavaScript library and the 'htmlwidgets' package. The carousels can contain plots produced in R, images, 'iframes', videos and other 'htmlwidgets'. These carousels can be used directly from the R console, from 'RStudio', in Shiny apps and R Markdown documents.

**Depends** R (>= 2.3.0)

**Imports** htmlwidgets, tools, utils, base64enc, xml2

**Suggests** shiny, rmarkdown

**License** GPL-2 | GPL-3

**URL** <https://github.com/metrumresearchgroup/slickR>

**BugReports** <https://github.com/metrumresearchgroup/slickR/issues>

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2017-10-14 03:16:54 UTC

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getHelp	<i>getHelp</i>
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**Description**

return rd help file as html

**Usage**

```
getHelp(fn, pkg)
```

**Arguments**

fn	character of function name
pkg	name of package that contains fn

**Value**

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slickR	<i>slick.js image carousel htmlwidget</i>
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**Description**

use slick.js library in R

**Usage**

```
slickR(obj, slideId = "baseDiv", slideIdx = list(1:length(obj)),
  slideType = c("img"), slickOpts = list(dots = TRUE), synchSlides = NULL,
  padding = rep("1%", length(obj)), dotObj = NULL, width = NULL,
  height = NULL, elementId = NULL)
```

**Arguments**

obj	character, vector of path or url to images
slideId	character, id of slide
slideIdx	list, numeric indices which images are mapped to which slider
slideType	character, type of object to put in slide
slickOpts	list, list of attributes for each slider, see details
synchSlides	character, slideId names of sliders are synchronized
padding	character, percent of width between each image in the carousel for each slider, Default: '1%'

dotObj	list, character vectors of url or images to replace dots with (see details)
width	character, width of htmlwidget
height	character, height of htmlwidget
elementId	character, id tag of htmlwidget

## Details

slick.js <http://kenwheeler.github.io/slick/> is an image carousel javascript library. To find all the attributes that can be used please refer to the link. To create more than one carousel input the attributes into a nested list eg slickOpts=list(list(slidesToShow=1,slideToScroll=1,arrows=F,fade=T),list(slidesToShow=3,slidesToScroll=1,dots=T,focusOnSelect=T,centerMode=T)). It is possible to synchronize the slides through the slickOpts calls, using asNavFor attribute. To replace the dots with icons use the dotObj argument to pass in the icon images and in the slickOpts add a custom-Paging attribute with the appropriate JS(.) function call. The slideType accepts the type of html DOM you want to be in the slide, eg img, iframe.

## Examples

```
nba=c("ATL", "BKN", "BOS", "CHA", "CHI", "CLE", "DAL", "DEN", "DET", "GSW",
      "HOU", "IND", "LAC", "LAL", "MEM", "MIA", "MIL", "MIN", "NOP", "NYK",
      "OKC", "ORL", "PHI", "PHX", "POR", "SAC", "SAS", "TOR", "UTA", "WAS")

nba_logos=sprintf("https://i.cdn.turner.com/nba/nba/.element/img/4.0/
global/logos/512x512/bg.white/svg/%s.svg", nba)

if(interactive())
  slickR(obj=nba_logos)
```

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slickR-shiny

*Shiny bindings for slickR*

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## Description

Output and render functions for using slickR within Shiny applications and interactive Rmd documents.

## Usage

```
slickROutput(outputId, width = "100%", height = "400px")

renderSlickR(expr, env = parent.frame(), quoted = FALSE)
```

**Arguments**

outputId	output variable to read from
width, height	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number, which will be coerced to a string and have 'px' appended.
expr	An expression that generates a slickR
env	The environment in which to evaluate expr.
quoted	Is expr a quoted expression (with quote())? This is useful if you want to save an expression in a variable.

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