Package ‘bs4cards’

October 12, 2022

Title Generate Bootstrap Cards
Version 0.1.1
Description Allows the user to generate bootstrap cards within
R markdown documents. Intended for use in conjunction with
R markdown HTML outputs and other formats that support the
bootstrap 4 library.
License MIT + file LICENSE
Encoding UTF-8
LazyData true
Imports htmltools, magrittr, methods, rlang
URL https://github.com/djnavarro/bs4cards
BugReports https://github.com/djnavarro/bs4cards/issues
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cards \hspace{1cm} \textit{Builds a deck of bootstrap cards}

\textbf{Description}

Builds a deck of bootstrap cards

\textbf{Usage}

\begin{verbatim}
cards(
    data,  
    title = NULL,  
    text = NULL,  
    image = NULL,  
    link = NULL,  
    footer = NULL,  
    header = NULL,  
    tags = NULL,  
    layout = "label-below",  
    width = 3,  
    spacing = 2,  
    breakpoint = 4,  
    label_colour = NULL,  
    border_colour = NULL,  
    border_width = 1,  
    border_radius = 3
)
\end{verbatim}

\textbf{Arguments}

- \textbf{data} \hspace{1cm} Data frame
- \textbf{title} \hspace{1cm} Title for the card
- \textbf{text} \hspace{1cm} Text for the card
- \textbf{image} \hspace{1cm} Path to the card image
- \textbf{link} \hspace{1cm} URL to link to from title and image
- \textbf{footer} \hspace{1cm} Card footer
- \textbf{header} \hspace{1cm} Card header
- \textbf{tags} \hspace{1cm} Tags to be assigned to each card
- \textbf{layout} \hspace{1cm} Card layout is a string, defaults to "label-below" (see details)
- \textbf{width} \hspace{1cm} Card width is an integer between 1 and 5
- \textbf{spacing} \hspace{1cm} Spacing between cards is an integer between 0 and 5
- \textbf{breakpoint} \hspace{1cm} Number between 1 and 5, controlling label size on horizontal and inset layouts
- \textbf{label_colour} \hspace{1cm} Colour applied to the card label (if NULL, colour inherits)
galleries

border_colour  Colour applied to the card border (if NULL, colour inherits)
border_width   Width of card border is an integer between 0 and 5
border_radius  Amount of rounding on card corners is an integer between 0 and 5

Details

This function constructs the HTML necessary to specify a deck of bootstrap 4 cards suitable for inclusion within an R markdown document. It takes a data frame as the first argument, with one row for each card to be generated.

Cards are specified using the title, text, image, link, footer, header, and tags arguments. These arguments take expressions to be evaluated using the user-supplied data, and should evaluate to character vectors that have length 1 or the same number of rows as data.

The layout argument is a single character string specifying the layout of the cards: possible values are "label-below" (the default), "label-above", "label-left", "label-right", "label-only", "image-only", "inset-top", "inset-bottom".

The width, spacing, breakpoint, border_width, and border_radius arguments all take integer inputs specifying the visual appearance of the cards. Allowed values range from 0 to 5, except for width and breakpoint which cannot be 0. The other two arguments label_colour and border_colour take a single string specifying colours of the relevant parts of the card.

Value

A "shiny.tag" object containing the HTML for the card deck

Examples

```r
## Not run:
galleries %>%
cards(
  title = long_name,
  text = blurb,
  image = image_url,
  link = gallery_url
)
## End(Not run)
```

galleries

Generative art galleries

Description

A dataset containing information describing several galleries of generative art created in R.

Usage

galleries
Format

A tibble with 7 rows and 5 variables:

- **long_name** full name of the gallery
- **short_name** compact name of the gallery
- **date** date on which the gallery was posted
- **blurb** brief description of the gallery
- **paintbrushes** names of R packages used to generate the art
- **image_url** location of the gallery thumbnail image
- **gallery_url** location of the gallery homepage

Source

https://art.djnavarro.net/
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