bs4cards

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3/24/2022

## Introduction

“bs4cards” is a package that allows users to add “card” elements to their html document using “Bootstrap:” a CSS library that includes lots of pre-made ui elements for websites. A “Card” is a typically square box that contains information in it, such as a title/heading, text, and some sort of color or shading attached to it. this package is useful for people who want to add a little flair to their HTML documents or add Bootstrap to documents that are eventually intended for the web.

## Features and Basic Usage

Let’s begin by downloading installing the bs4cards package by running the following:

install.packages("bs4cards")  
library(bs4cards)

Here are a few use cases of the bs4card package:

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  
)

This function creates one single Bootstrap card with a few different parameters which change the appearance of he card on the screen. The attributes, according to the vignette, are as follows:

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

## Example

Here are some examples of a few different cards made with bs4cards!

cards(  
 data = NULL,  
 title = "STYLE 1",  
 text = "This is a red and blue card!",  
 width = 1,  
 spacing = 2,  
 breakpoint = 2,  
 label\_colour = "red",  
 border\_colour = "blue",  
 border\_width = 2,  
 border\_radius = 4  
 )

## using 'label-only' layout

cards(  
 data = NULL,  
 title = "STYLE 2",  
 text = "A Little Different This Time",  
 footer = "this is a footer",  
 header = "this is a header",  
 layout = "label-above",  
 width = 3,  
 spacing = 2,  
 breakpoint = 4,  
 border\_width = 1,  
 border\_radius = 3,  
 border\_colour = "yellow"  
)

## using 'label-only' layout

#example data frame  
myData <- data.frame(  
 name = "Juan Ramirez",  
 class = "Stat210"  
)  
  
myData %>% cards(  
 title = name,  
 text = class,  
 )

## using 'label-only' layout

## Other Information

To learn more about this package, visit the vignette for bs4cards. ><https://cran.r-project.org/web/packages/bs4cards/bs4cards.pdf><

Another thing to note, the “4” in “bs4” stands for the version of bootstrap this package uses. Learn more about Bootstrap 4 here: ><https://www.w3schools.com/bootstrap4/bootstrap_get_started.asp><