

bsplus

tools for Bootstrap JavaScript components

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Analytics Applications and Programs

Life Is On

Schneider
Electric

Problem

You want to fit more “stuff” into your Shiny app:

- More inputs, outputs
- More plots, pictures
- More help, documentation

bsplus

Package to wrap Bootstrap components:

- [Accordion sidebar](#) - more room for Shiny apps
- [Carousel](#) - more room for plots, images
- [Tooltip, popover, modal](#) - more documentation
- [Shiny help-links](#) - integrate extra documentation

bsplus

- Inspired by Eric Bailey's `shinyBS` package
- Implemented using the `htmltools` package
- Nothing depends on server part of `shiny`, all UI
- Can be used to make `rmarkdown` HTML documents
- Designed with `%>%` in mind
- Let's have a look

Accordion sidebar

JOHN LENNON
PAUL MCCARTNEY
GEORGE HARRISON
Lead guitar, vocals
RINGO STARR

While My Guitar Gently Weeps

content_main

title_side

content_side

```
bs_accordion_sidebar(id = "beatles") %>%
  bs_append(
    title_side = "John Lennon",
    content_side = "Rhythm guitar, vocals",
    content_main = "Dear Prudence"
  ) %>%
  bs_append(
    title_side = "Paul McCartney",
    content_side = "Bass guitar, vocals",
    content_main = "Blackbird"
  ) %>%
  bs_append(
    title_side = "George Harrison",
    content_side = "Lead guitar, vocals",
    content_main = "While My Guitar Gently Weeps"
  ) %>%
  bs_append(
    title_side = "Ringo Starr",
    content_side = "Drums, vocals",
    content_main = "Don't Pass Me By"
  )
```

Accordion sidebar

JOHN LENNON

PAUL MCCARTNEY

GEORGE HARRISON

Lead guitar, vocals

RINGO STARR

While My Guitar Gently Weeps

- Create an accordion sidebar
- Append a panel set

```
bs_accordion_sidebar(id = "beatles") %>%
  bs_append(
    title_side = "John Lennon",
    content_side = "Rhythm guitar, vocals",
    content_main = "Dear Prudence"
  ) %>%
  bs_append(
    title_side = "Paul McCartney",
    content_side = "Bass guitar, vocals",
    content_main = "Blackbird"
  ) %>%
  bs_append(
    title_side = "George Harrison",
    content_side = "Lead guitar, vocals",
    content_main = "While My Guitar Gently Weeps"
  ) %>%
  bs_append(
    title_side = "Ringo Starr",
    content_side = "Drums, vocals",
    content_main = "Don't Pass Me By"
  )
```

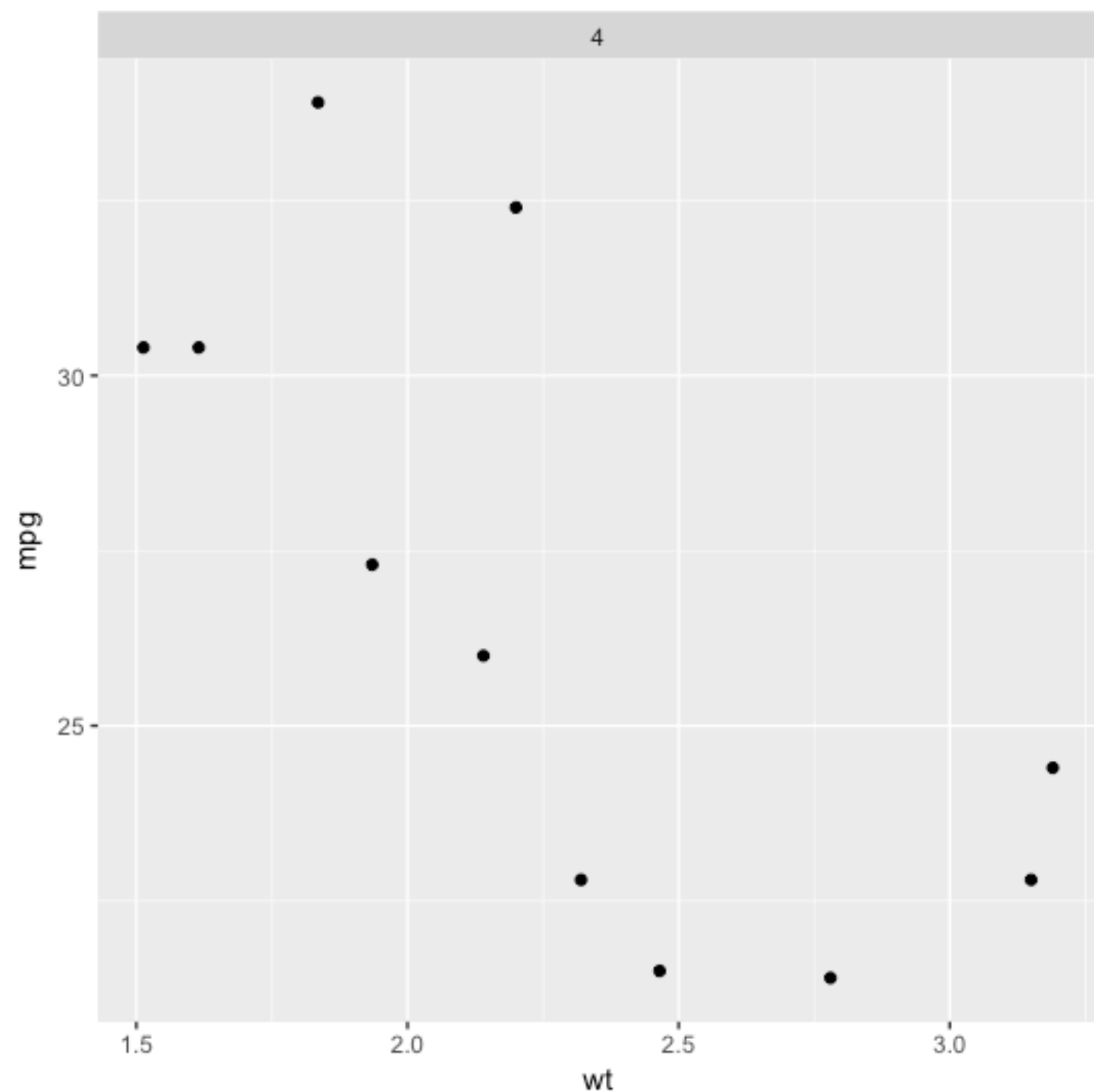
Carousel



```
bs_carousel(id = "with_the_beatles") %>%  
  bs_append(content = bs_carousel_image(src = "img/john.jpg")) %>%  
  bs_append(content = bs_carousel_image(src = "img/paul.jpg")) %>%  
  bs_append(content = bs_carousel_image(src = "img/george.jpg")) %>%  
  bs_append(content = bs_carousel_image(src = "img/ringo.jpg"))
```

- Create a carousel
- Append a slide

Carousel



```
bs_carousel(id = "with_the_beatles") %>%  
  bs_append(content = bs_carousel_image(src = "img/john.jpg")) %>%  
  bs_append(content = bs_carousel_image(src = "img/paul.jpg")) %>%  
  bs_append(content = bs_carousel_image(src = "img/george.jpg")) %>%  
  bs_append(content = bs_carousel_image(src = "img/ringo.jpg"))
```

I'd like to be able to:

- use **gganimate**
- make images using the **frame** aesthetic
- present the images in a **carousel**

without too much headache... (not today)

🎵 Baby, just use mtcars 🎵

Tooltip, popover

RHYTHM GUITAR, VOCALS

JOHN LENNON

More information

Although he wrote "I Am the Walrus", he later insisted that the Walrus was Paul.

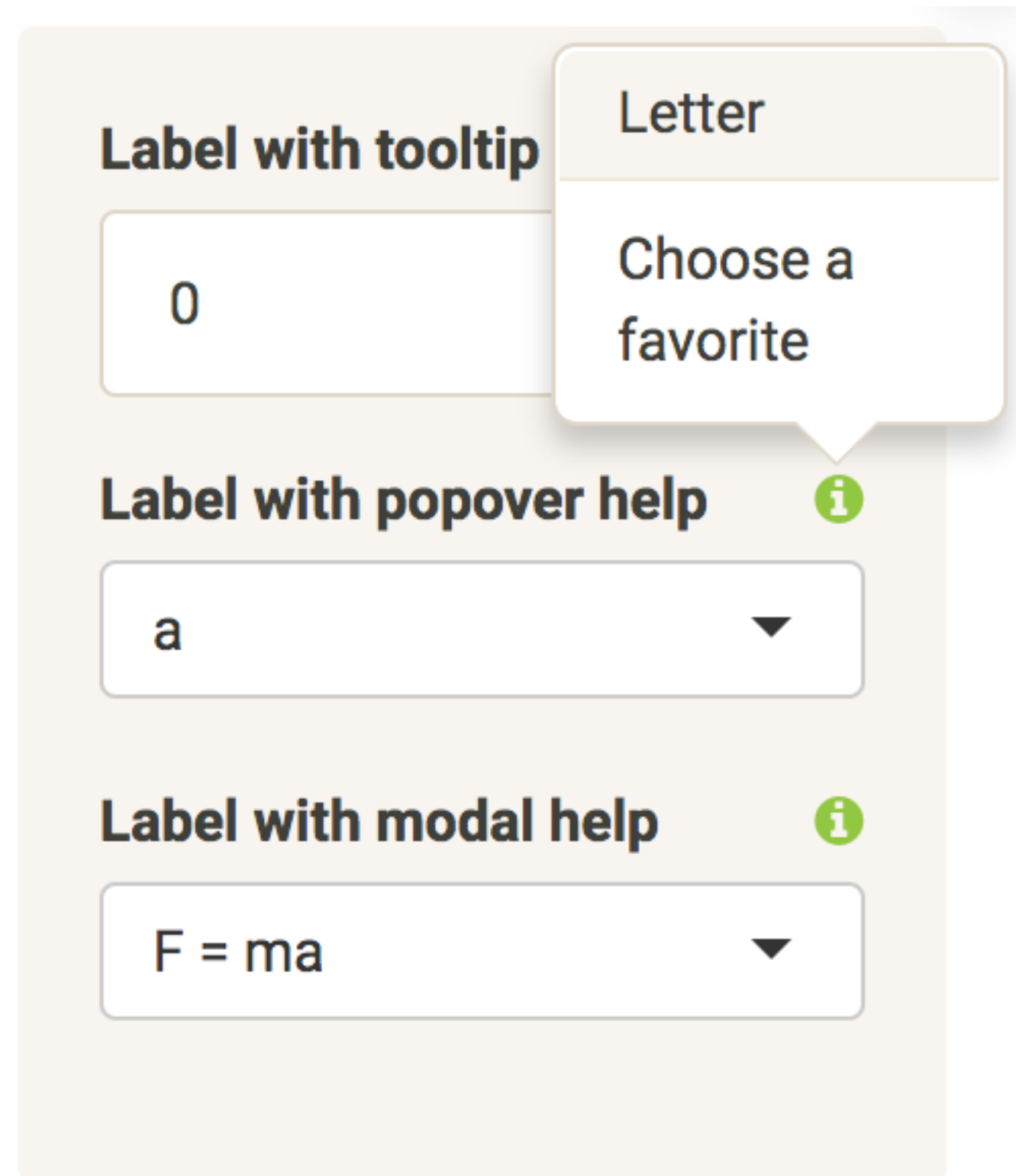
JOHN LENNON

```
library("htmltools")
```

```
tags$button(type = "button", class = "btn btn-default", "John Lennon") %>%  
  bs_embed_tooltip(title = "Rhythm Guitar, vocals")
```

```
tags$button(type = "button", class = "btn btn-primary", "John Lennon") %>%  
  bs_embed_popover(  
    title = "More information",  
    content = "Although he wrote \"I Am the Walrus\",  
              he later insisted that the Walrus was Paul."  
  )
```

Shiny help-links



```
library("shiny")

selectInput(
  inputId = "letter",
  label = "Label with popover help",
  choices = c("a", "b", "c")
) %>%
shinyInput_label_embed(
  shiny_iconlink() %>%
  bs_embed_popover(title = "Letter", content = "Choose a favorite")
)
```

- Create an icon wrapped in a link
- Embed a popover into the link
- Embed the link into the label of a Shiny input

bsplus

- CRAN very soon - your feedback welcome!
- **pkgdown** 🙌🎉🚀 documentation:
 - <https://ijlyttle.github.io/bsplus>
- **shiny** demonstration:
 - https://ijlyttle.shinyapps.io/tooltip_popover_modal
 - https://ijlyttle.shinyapps.io/accordion_sidebar_navbar