BUILDING DASHBOARDS WITH SHINYDASHBOARD
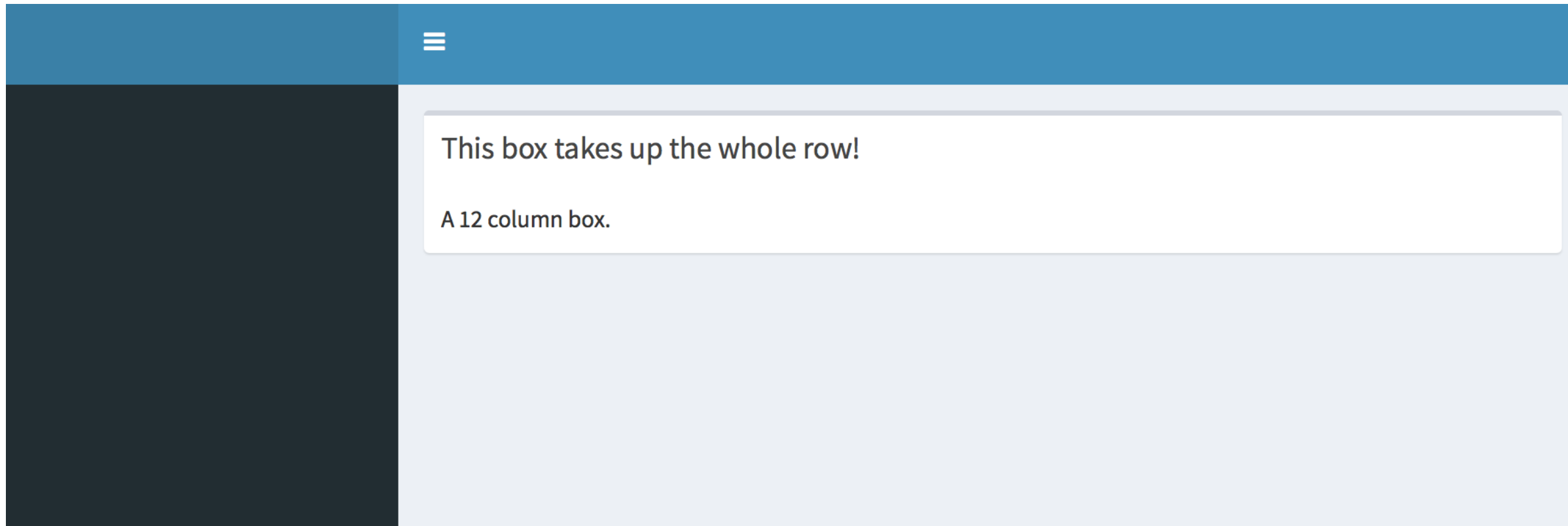
Bootstrap explanation

Lucy D'Agostino McGowan

Postdoctoral fellow in Biostatistics at Johns Hopkins University
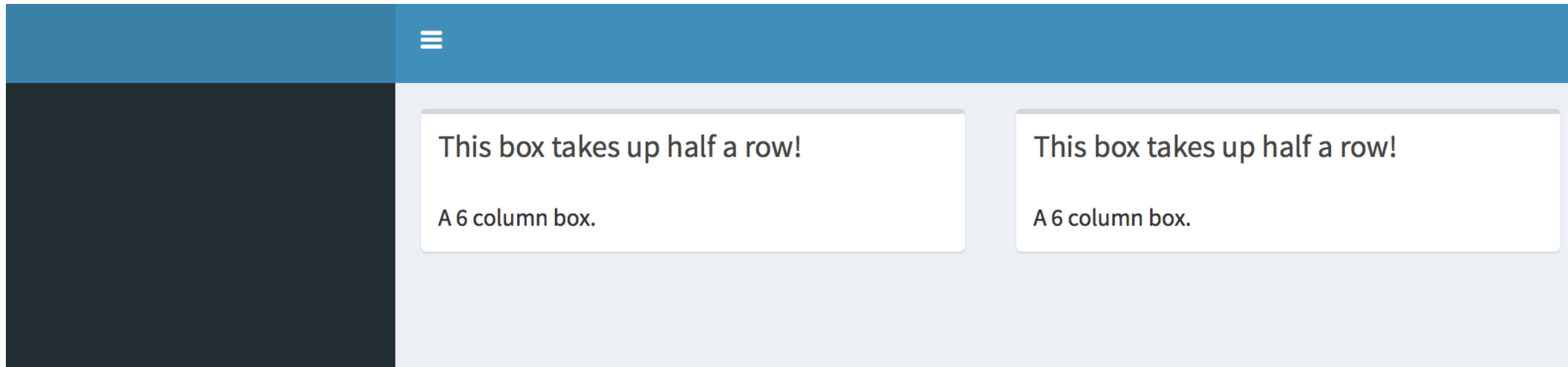
Bootstrap Layout


```
box(
    width = 12,
    title = "This box takes up the whole row!",
    "A 12 column box."
    )
```

Bootstrap Layout


```
box(
    width = 6,
    title = "This box takes up half a row!",
    "A 6 column box."
),
box(
    width = 6,
    title = "This box takes up half a row!",
    "A 6 column box."
)
```

Layout Types

- Row-based layout

- Column-based layout

- Mixed layout

Row-based layout

```
fluidRow(
 box(
  width = 6,
  title = "This box takes up half a row!",
  "A 6 column box."
 ),
 box(
  width = 6,
  title = "This box takes up half a row!",
  "A 6 column box."
 )
)
```

Column-based layout

```
fluidRow(
 column(width = 6,
   box(
    width = NULL,
    title = "This box takes up half a row!",
    "A 6 column box."
   )
 ),
 column(width = 6,
   box(
    width = NULL,
    title = "This box takes up half a row!",
    "A 6 column box."
   )
 )
)
```

Mixed Layout

```
fluidRow(
 box(
 width = 12,
    title = "This box takes up the whole row!",
    "A 12 column box."
 )
),
fluidRow(
 column(width = 6,
   box(
    width = NULL,
    title = "This box takes up half a row!",
    "A 6 column box."
   )
 ),
 column(width = 6,
   box(
    width = NULL,
    title = "This box takes up half a row!",
    "A 6 column box."
   )
 )
)
```

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Let's practice!

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Customizing the appearance

Lucy D'Agostino McGowan

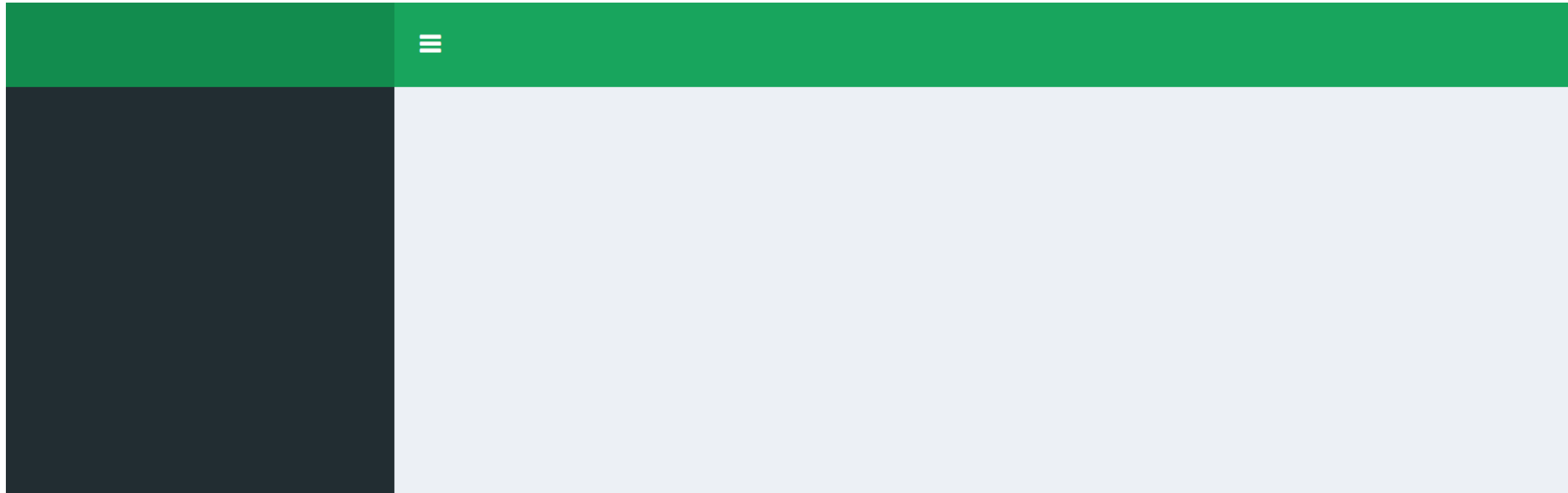Postdoctoral fellow in Biostatistics at Johns Hopkins University

Dashboard skins

- blue (*default*)

- black

- purple

- green

- red

- yellow

Dashboard skins


```
dashboardPage(skin = "green",
              header = header,
              sidebar = sidebar,
              body = body)
```

CSS

```
dashboardBody(
    tags$head(
      tags$link(rel = "stylesheet",
                type = "text/css",
                href = "my_style.css")
    )
  )
```

CSS

```
dashboardBody(
    tags$head(
      tags$style(
        HTML('
      \\CSS here
    ')
      )
    )
)
```

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Let's practice!

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Icons, statuses, colors

Lucy D'Agotino McGowan

Postdoctoral fellow in Biostatistics at Johns Hopkins University

Icons

```
icon(name = "bicycle",
     lib = "font-awesome")
```

Icons

```
icon(name = "refresh",
     class = "fa-5x fa-spin")
```

Icons

- http://fontawesome.io/icons/

- http://fontawesome.io/examples/

- https://getbootstrap.com/components/

Statuses

```
?validStatuses
```

- `primary` Dark blue

- `success` Green

- `info` Light blue

- `warning` Orange

- `danger` Red

Colors

```
?validColors
```

BUILDING DASHBOARDS WITH SHINYDASHBOARD

Let's add some flair to your dashboard!