

Welcome to the course!

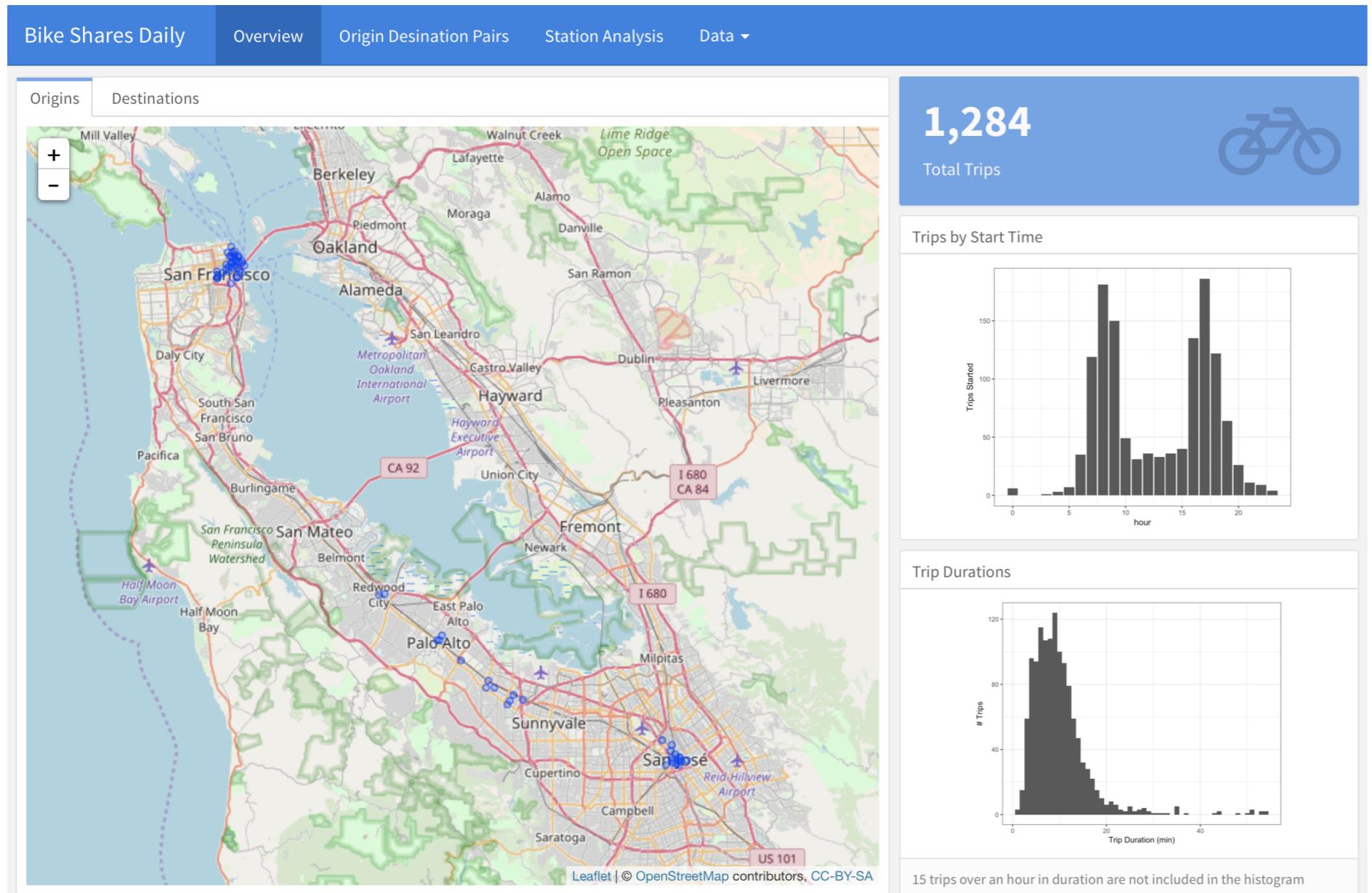
BUILDING DASHBOARDS WITH FLEXDASHBOARD



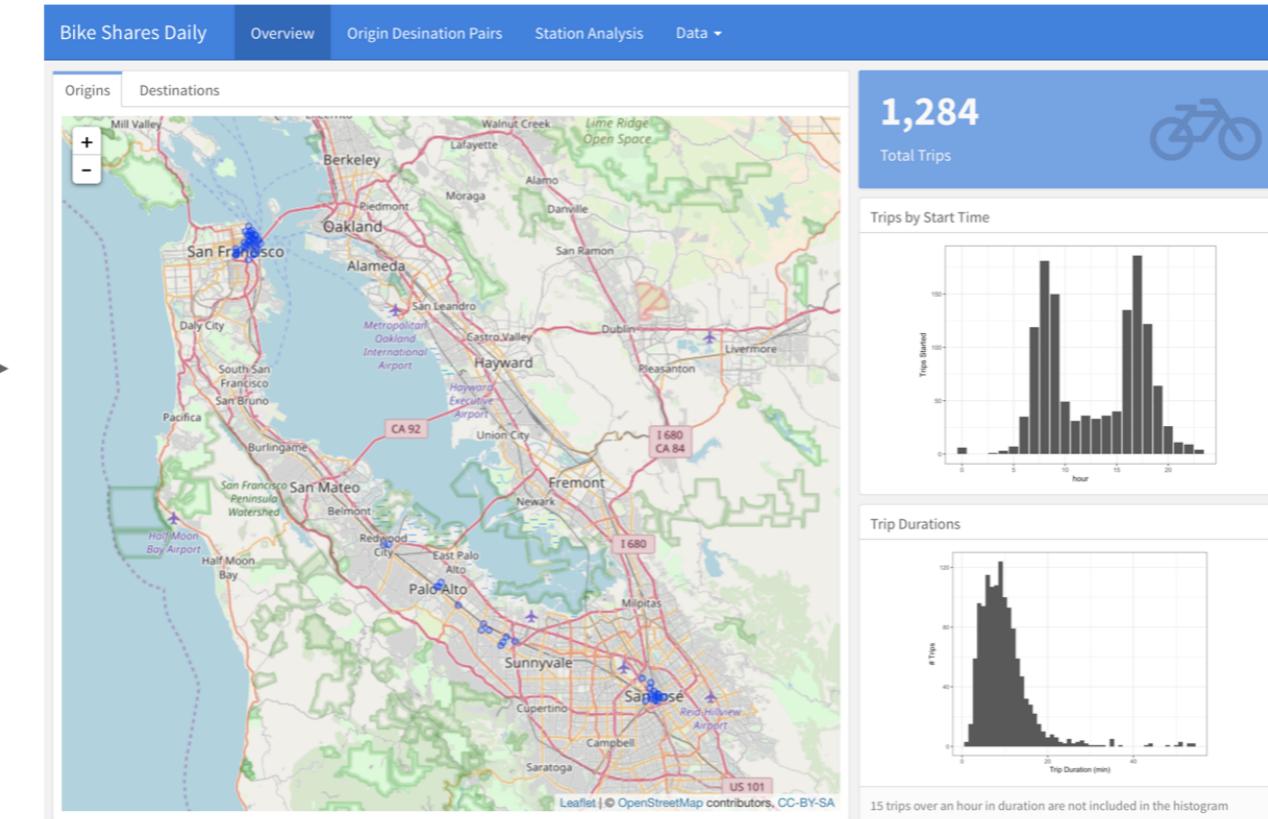
Elaine McVey

Director of Data Science

What is a dashboard?



What is flexdashboard?



What you'll learn in this course

- Create your own dashboard
- Dashboard components and layout
- R Markdown
- Combining `flexdashboard` with `Shiny`

Let's practice!

BUILDING DASHBOARDS WITH FLEXDASHBOARD

Anatomy of a flexdashboard

BUILDING DASHBOARDS WITH FLEXDASHBOARD



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Director of Data Science

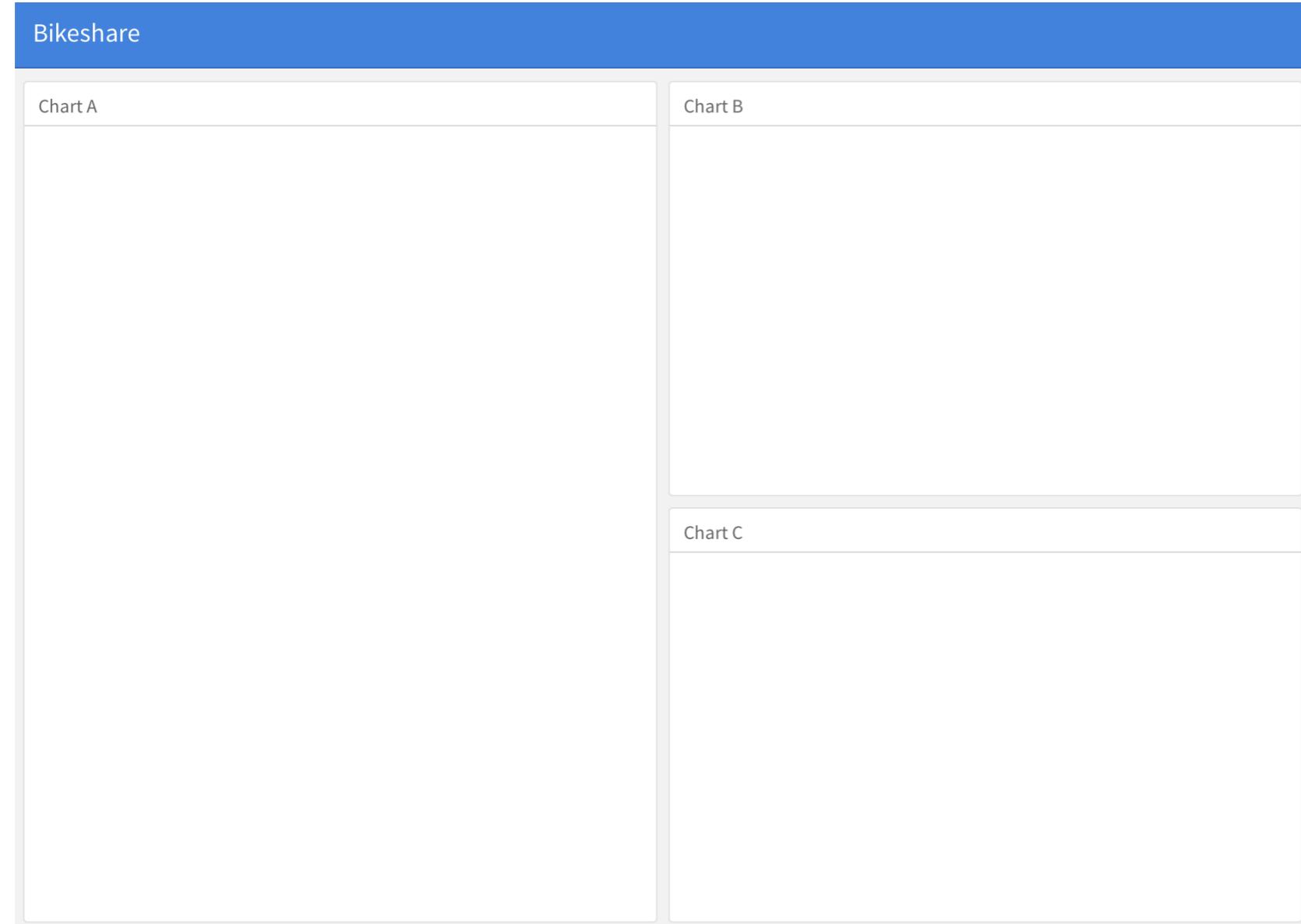
R Markdown: the header

```
title: "My Report"  
output: html_document
```

Turning R Markdown into a flexdashboard

```
title: "My Dashboard"  
output:  
  flexdashboard::flex_dashboard
```

A flexdashboard is made of charts ...



A flexdashboard is made of charts ...

```
---
```

```
title: "Bikeshare"
```

```
output:
```

```
  flexdashboard::flex_dashboard
```

```
--
```

```
```{r setup, include=FALSE}
```

```
library(flexdashboard)
```

```
```
```

Column

Chart A

```
```{r}
```

```
```
```

Chart B

```
```{r}
```

```
```
```

Chart C

```
```{r}
```

```
```
```

... and charts are arranged in columns

```
---
```

```
title: "Bikeshare"
```

```
output:
```

```
  flexdashboard::flex_dashboard:
```

```
    orientation: columns
```

```
---
```

```
```{r setup, include=FALSE}
```

```
library(flexdashboard)
```

```
```
```

```
Column
```

```
-----
```

```
### Chart A
```

```
```{r}
```

```
```
```



```
Column
```

```
-----
```

```
### Chart B
```

```
```{r}
```

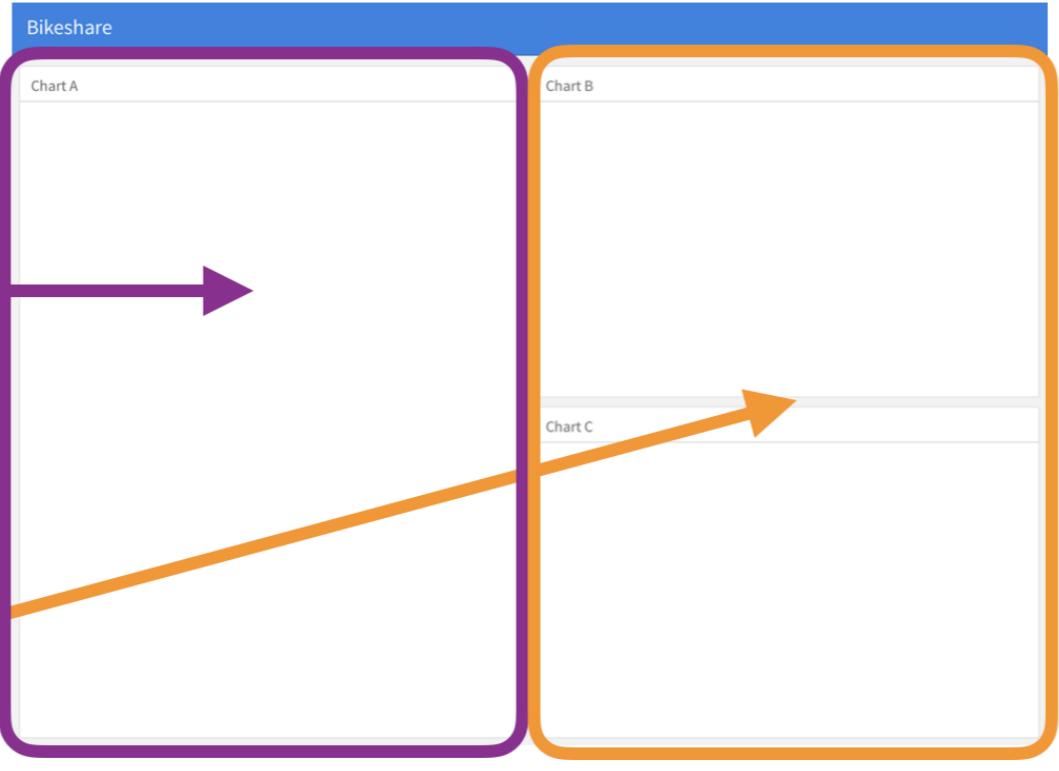
```
```
```



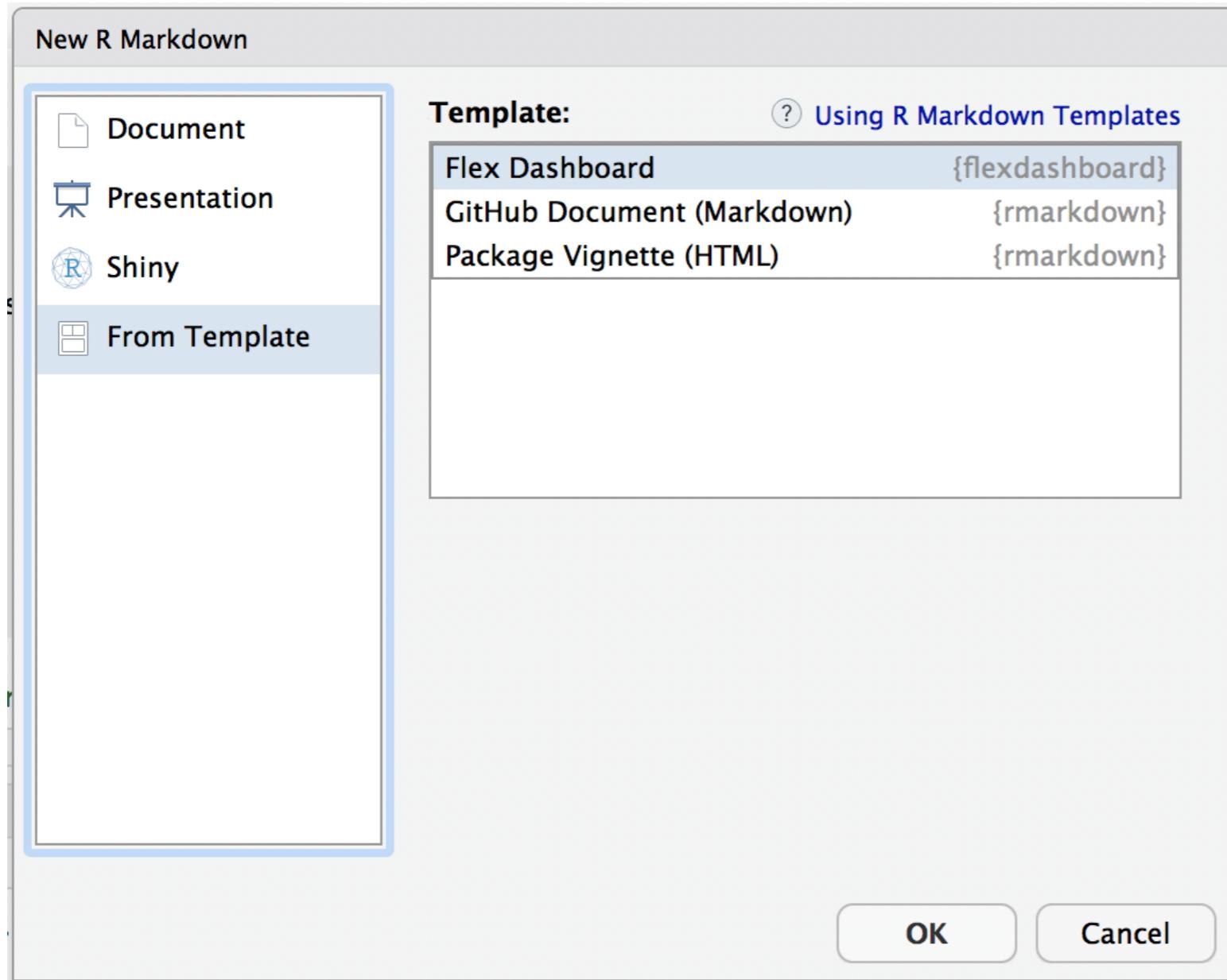
```
### Chart C
```

```
```{r}
```

```
```
```



Knit!



Our data



Let's practice!

BUILDING DASHBOARDS WITH FLEXDASHBOARD

Layout basics

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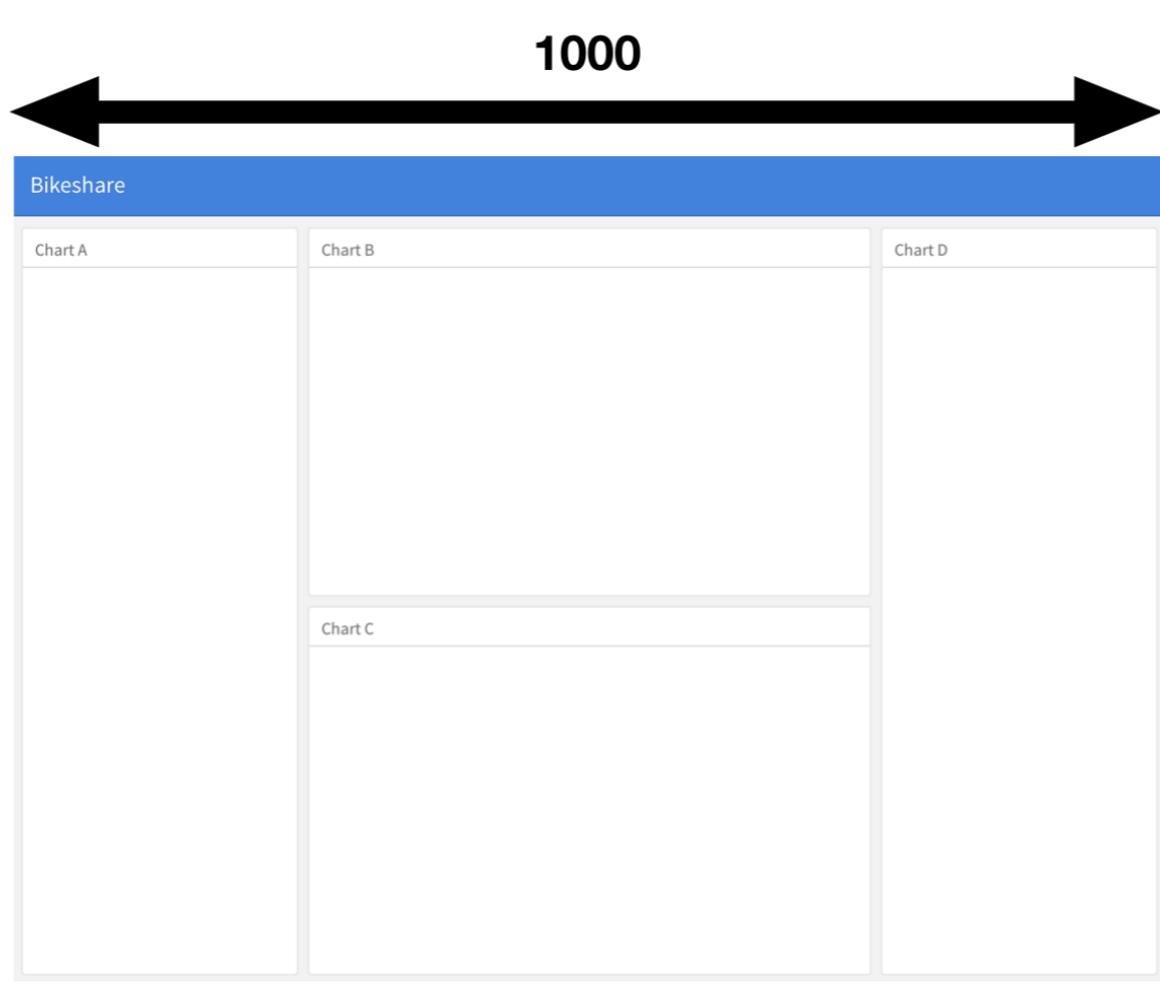
Director of Data Science

Column widths

```
Column {data-width=250}  
#### Chart A  
```{r}  
...

Column {data-width=500}
Chart B
```{r}  
...  
  
#### Chart C  
```{r}  
...

Column {data-width=250}
Chart D
```{r}  
...
```



Rows instead

```
--  
title: "Bikeshare"  
output:  
  flexdashboard::flex_dashboard:  
    orientation: rows  
--
```

Row layout

```
---
```

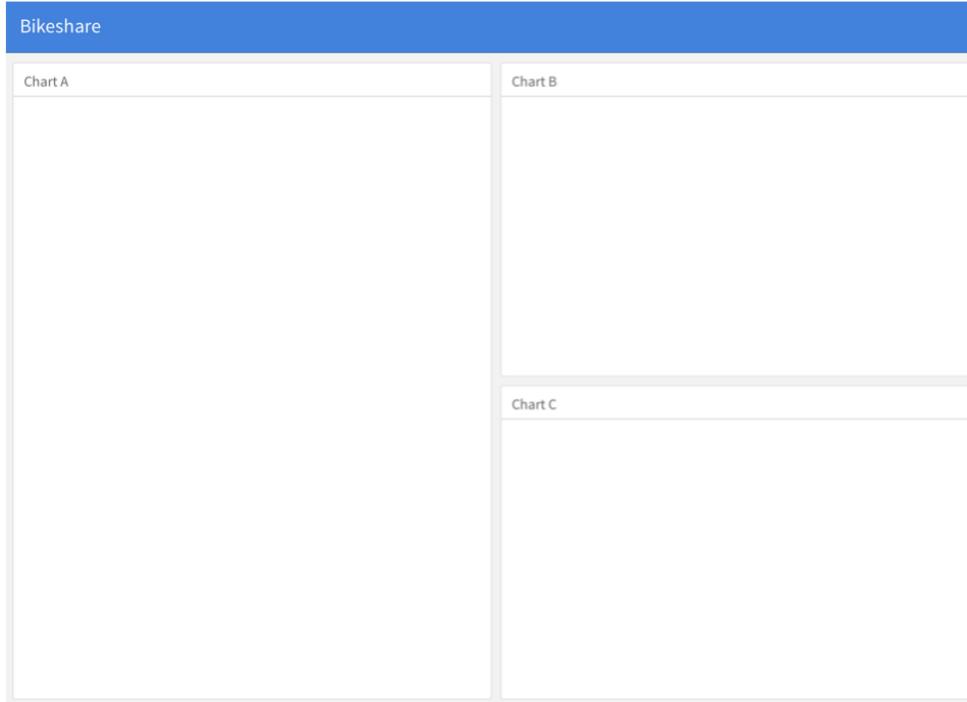
```
title: "Bikeshare"
```

```
output:
```

```
  flexdashboard::flex_dashboard:
```

```
    orientation: columns
```

```
---
```



```
---
```

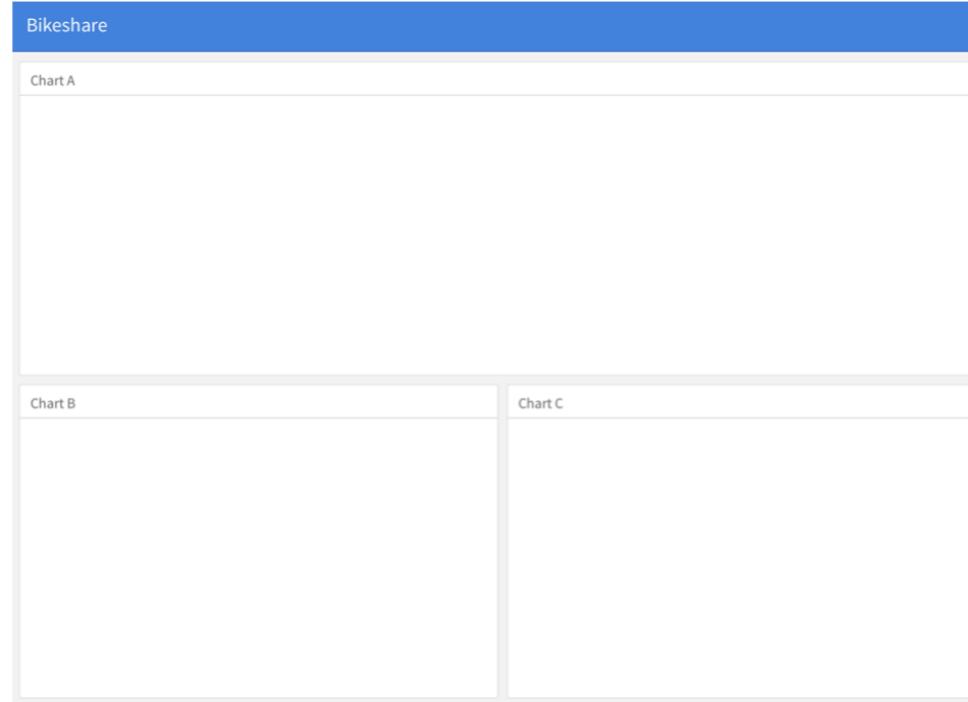
```
title: "Bikeshare"
```

```
output:
```

```
  flexdashboard::flex_dashboard:
```

```
    orientation: rows
```

```
---
```



Scrolling

```
title: "Bikeshare"  
output:  
  flexdashboard::flex_dashboard:  
    orientation: columns  
    vertical_layout: scroll
```

Let's practice!

BUILDING DASHBOARDS WITH FLEXDASHBOARD

Advanced layouts

BUILDING DASHBOARDS WITH FLEXDASHBOARD



Elaine McVey

Director of Data Science

Expanding Dashboards



Tabssets

Column `{.tabset}`

Chart A

```
```{r}
```

...

### Chart B

```
```{r}
```

...

Chart C

```
```{r}
```

...

Column

### Chart D

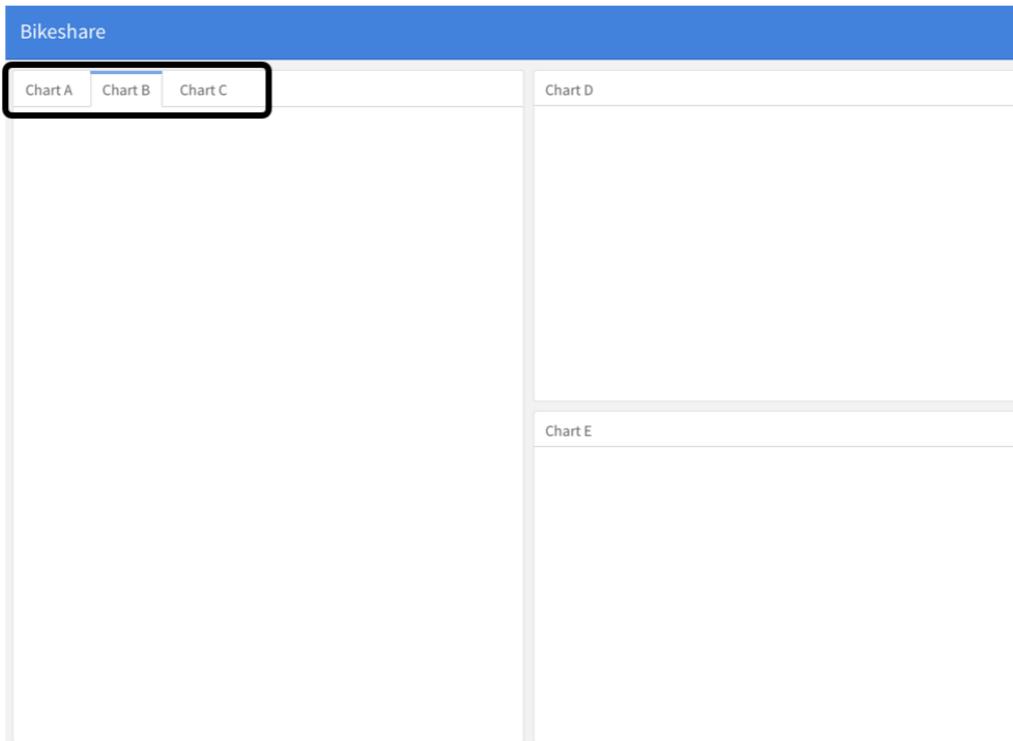
```
```{r}
```

...

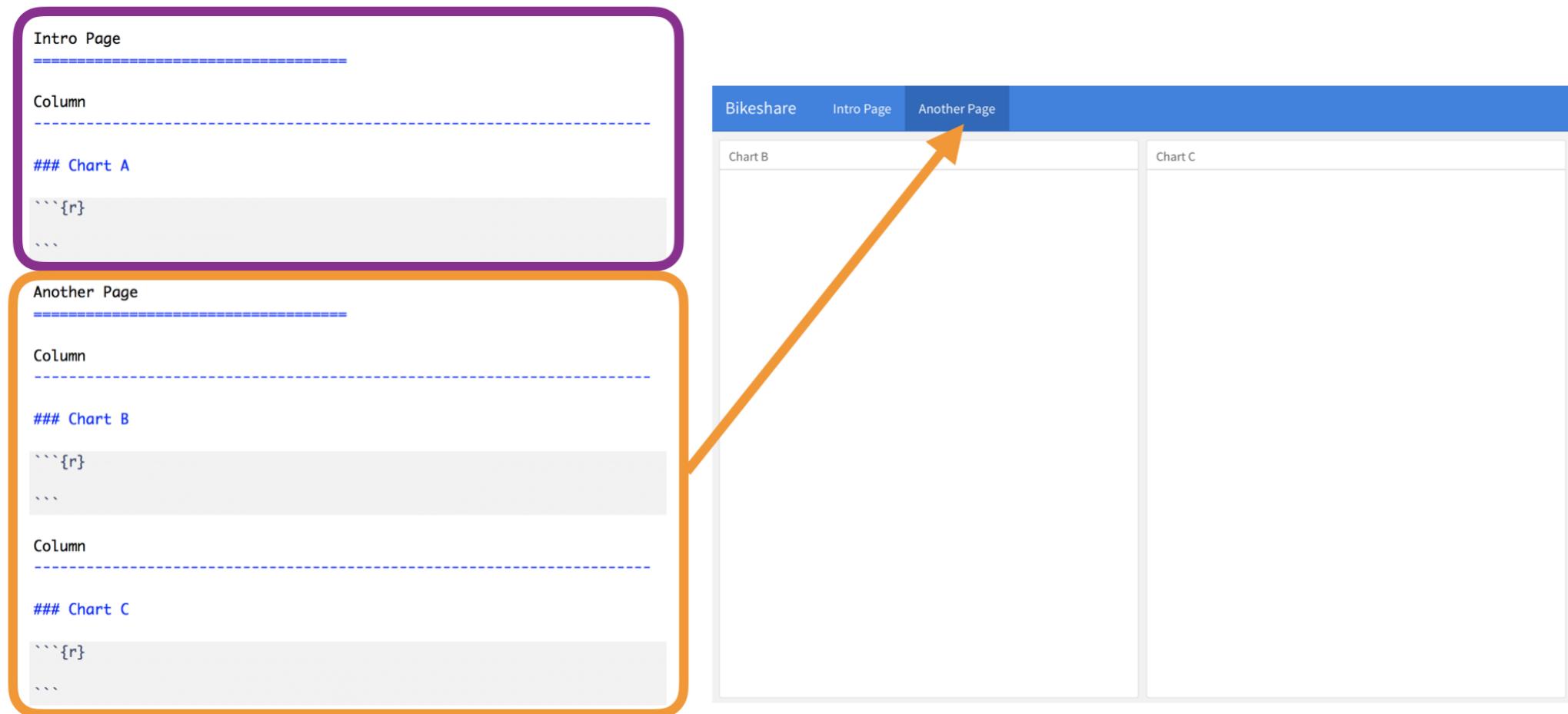
Chart E

```
```{r}
```

...



# Pages



# Creating menus

```
Intro Page
=====
```

```
Column
```

```
====
```

```
Chart A
```

```
```{r}
```

```
...
```

```
Page 2 {data-navmenu=Details}  
```

```
=====
```

```
Column
```

```
====
```

```
## Chart B
```

```
```{r}
```

```
...
```

```
Page 3 {data-navmenu=Details}
```

```
=====
```

```
Column
```

```
====
```

```
Chart C
```

```
```{r}
```

```
...
```

```
Page 4 {data-navmenu="Even More"}  
```

```
=====
```

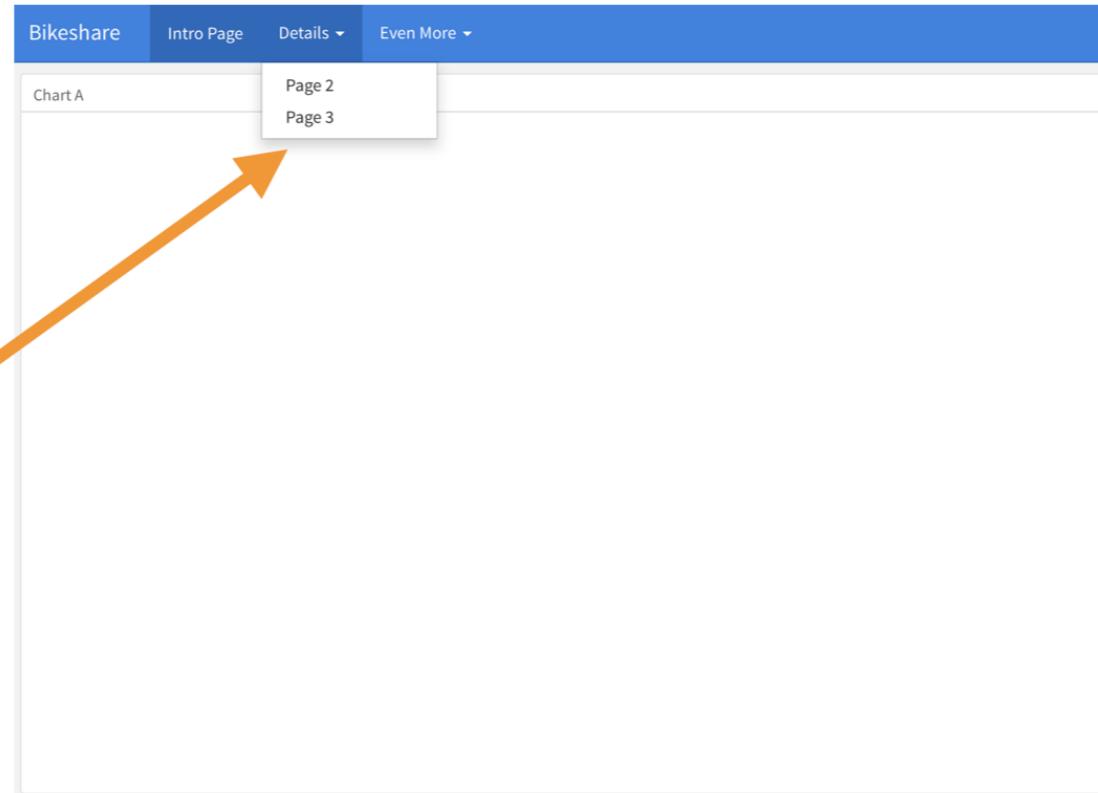
```
Column
```

```
====
```

```
## Chart D
```

```
```{r}
```

```
...
```



# Setting page orientation

Intro Page

Column

### Chart A

```{r}

...

Another Page [data-orientation=rows]

Column

Chart B

```{r}

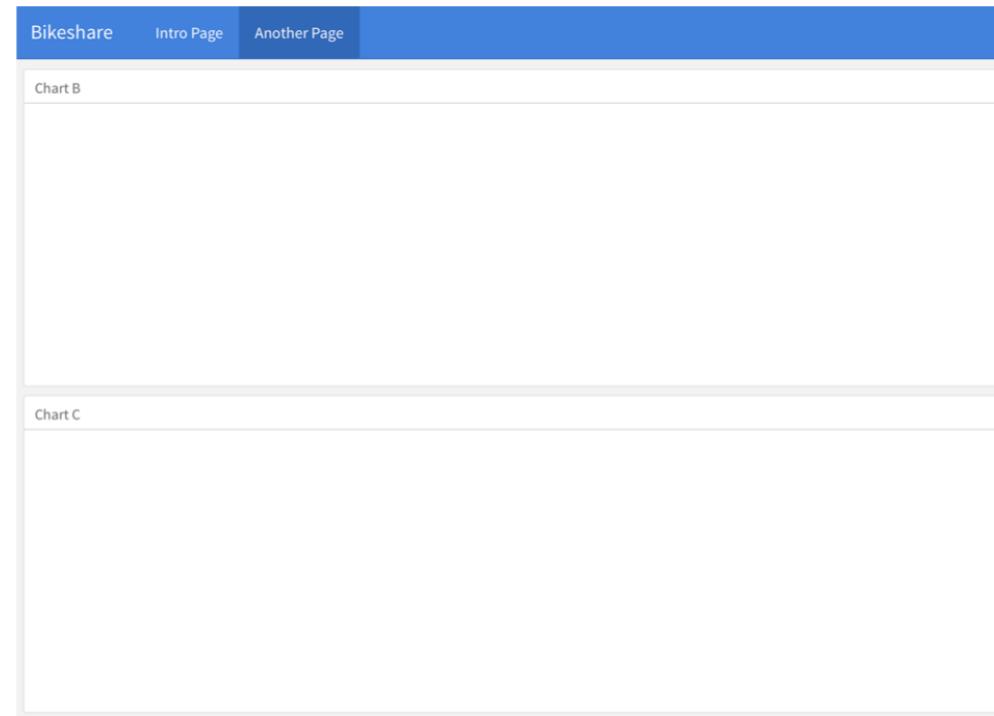
...

Column

### Chart C

```{r}

...



Let's practice!

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