Graphs

BUILDING DASHBOARDS WITH FLEXDASHBOARD

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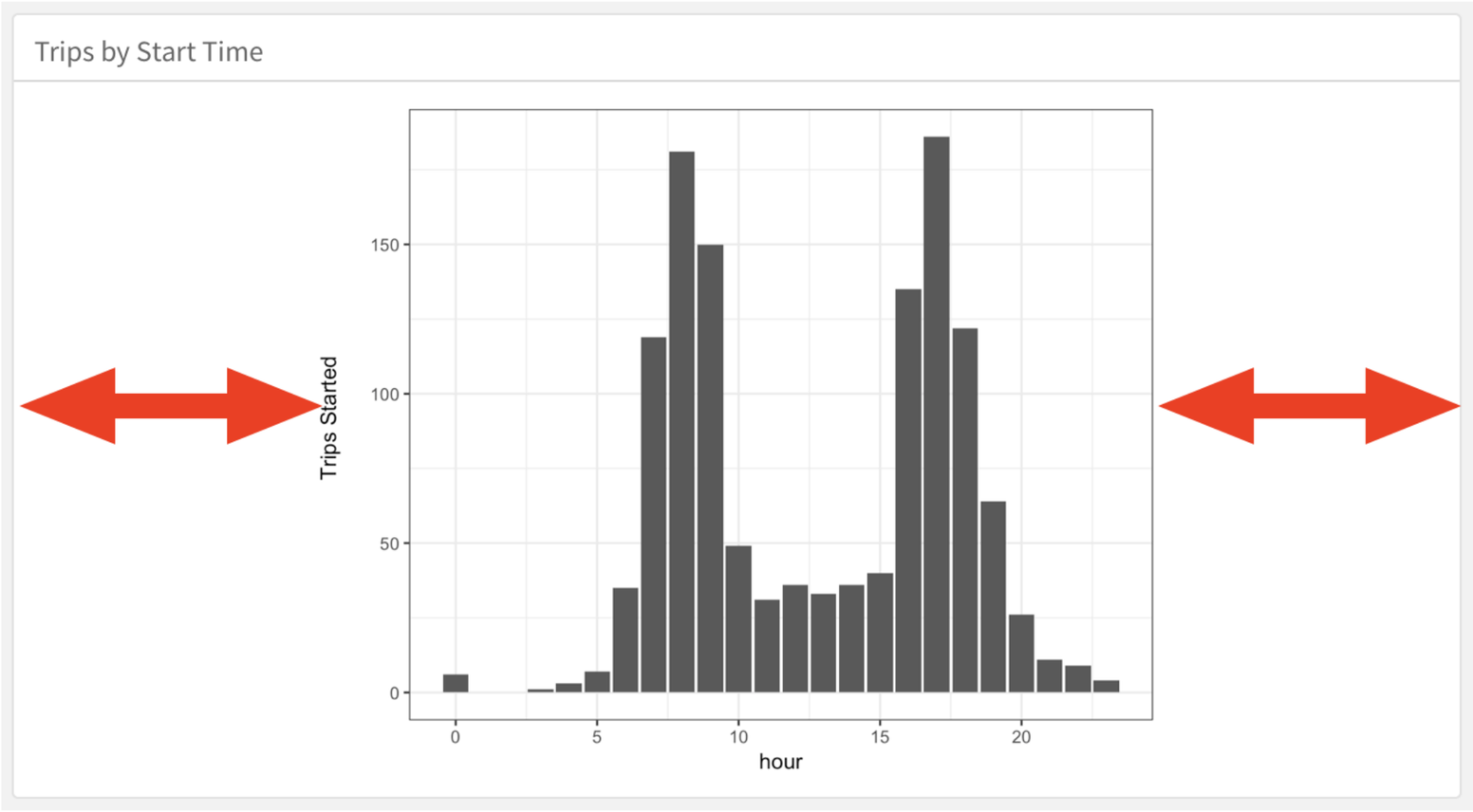
Director of Data Science

datacamp

Adding graphs: the basics

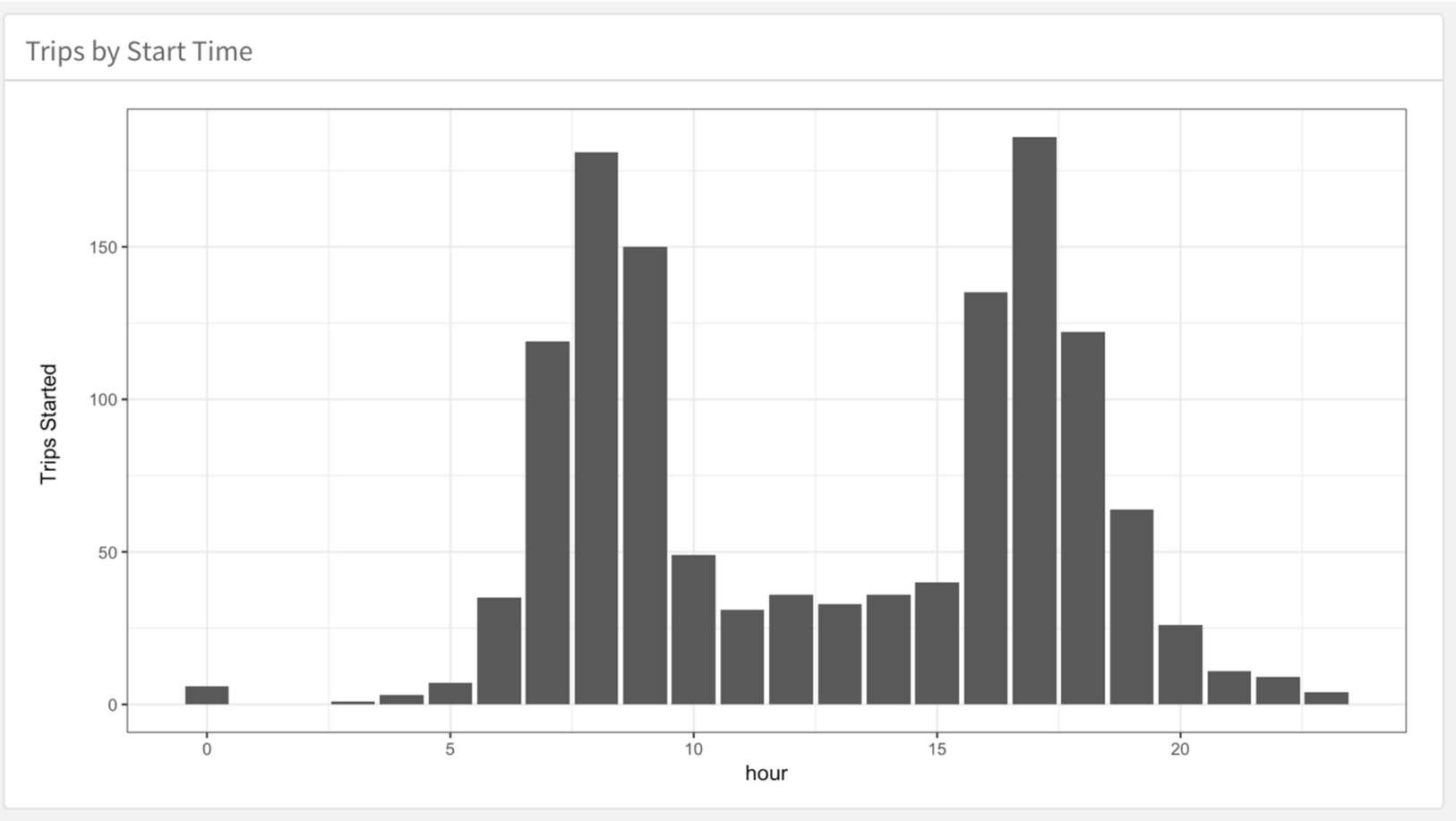
````
### My Graph Chart


```{r}
plot(trips_df$time, trips_df$rides)
```
````


Trips by Start Time
Trips Started
150
100
50
0
0
5
10
15
20
hour

Resizing graphs

```
{r, fig.width=10, fig.height=5}
```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hour

Let's practice!

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Web-friendly visualizations

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What is web-friendly?

- Dynamic
- Interactive
- Based on html/javascript

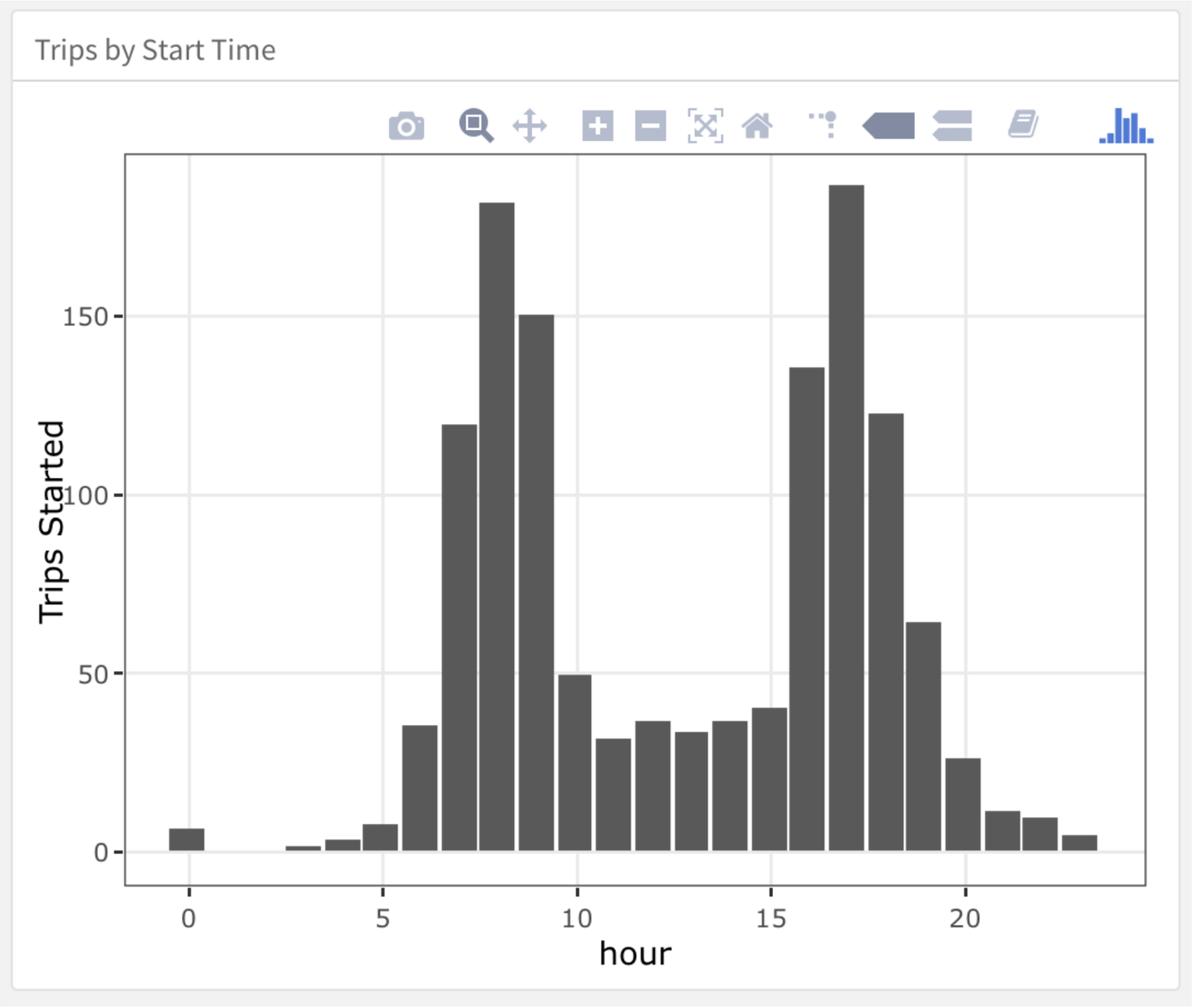
Web-friendly options

- **plotly**
- highcharter
- dygraphs
- rbokeh
- ggvis

The magic of plotly

```
library(plotly)


ggplotly(my_ggplot)
```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htmlwidgets

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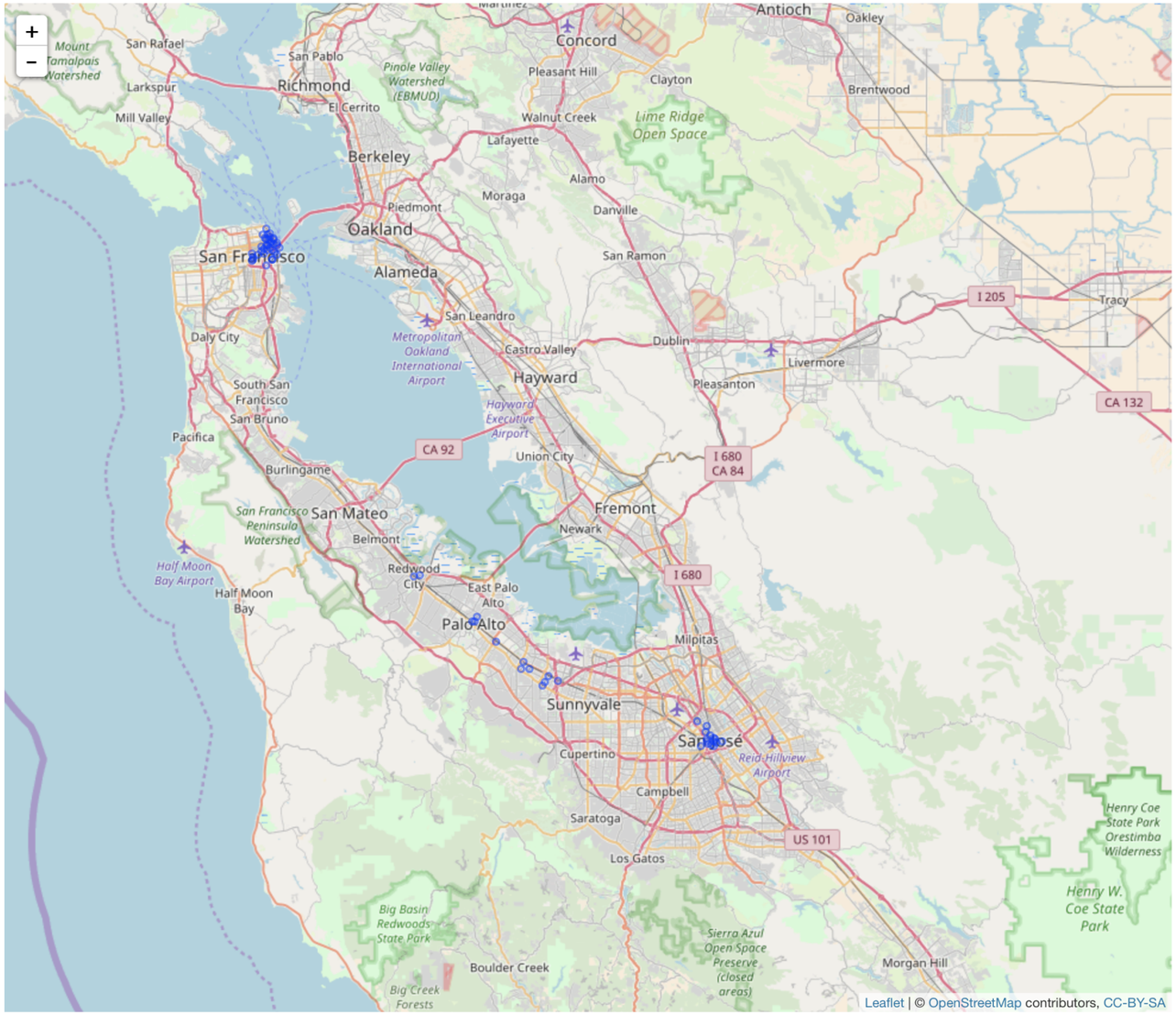
What's an htmlwidget?

- R packages that connect to Javascript libraries.
- Web-friendly visualizations of all sorts.
- Well suited to be part of a dashboard.

Learn more at: **http://htmlwidgets.org**

Origins | Destinations



leaflet basics

```
library(leaflet)


leaflet() %>%
addTiles() %>%
addMarkers(lng = data_df$longitude, lat = data_df$latitude)
```

leaflet with Dataframes

```
library(leaflet)


leaflet(data_df) %>%
addTiles() %>%
addMarkers()
```

Let's practice!

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