

Graphs

BUILDING DASHBOARDS WITH FLEXDASHBOARD



Elaine McVey

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Adding graphs: the basics

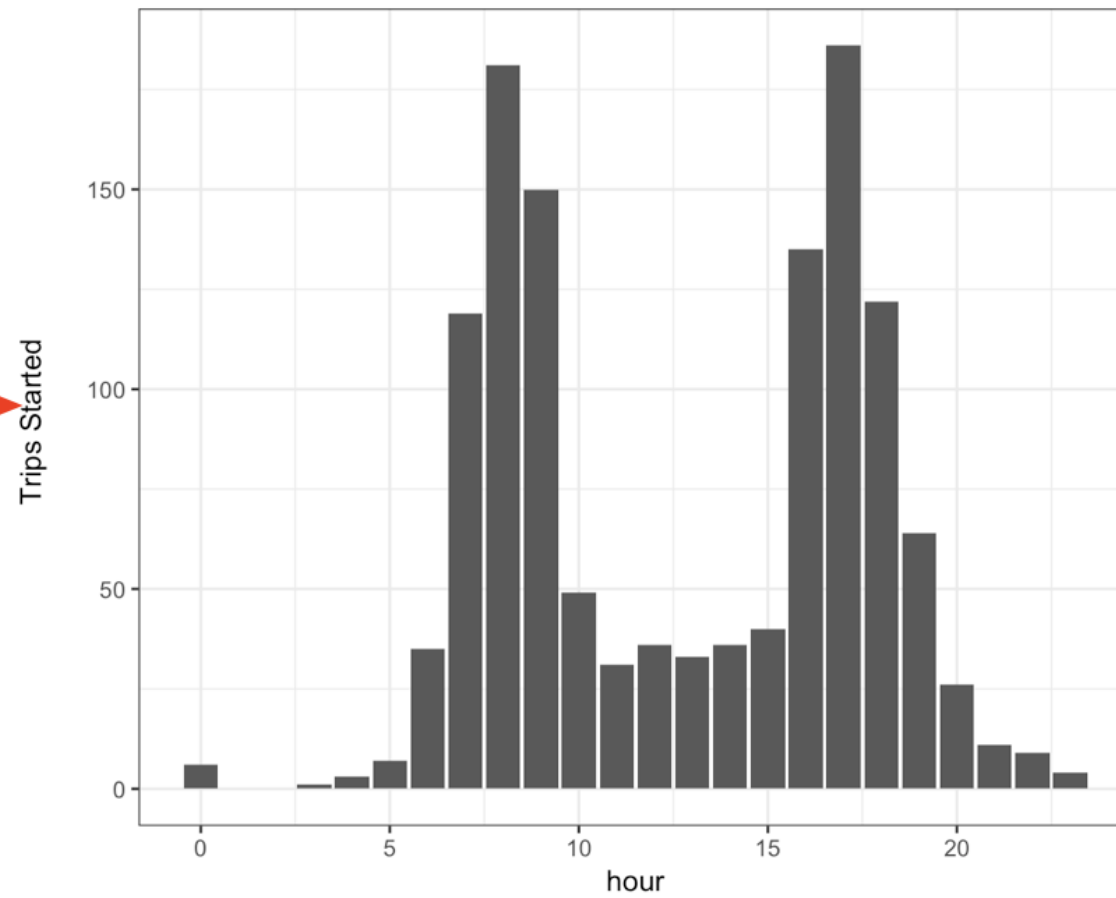
```
### My Graph Chart
```

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

```
plot(trips_df$time, trips_df$rides)
```

```
` ``
```

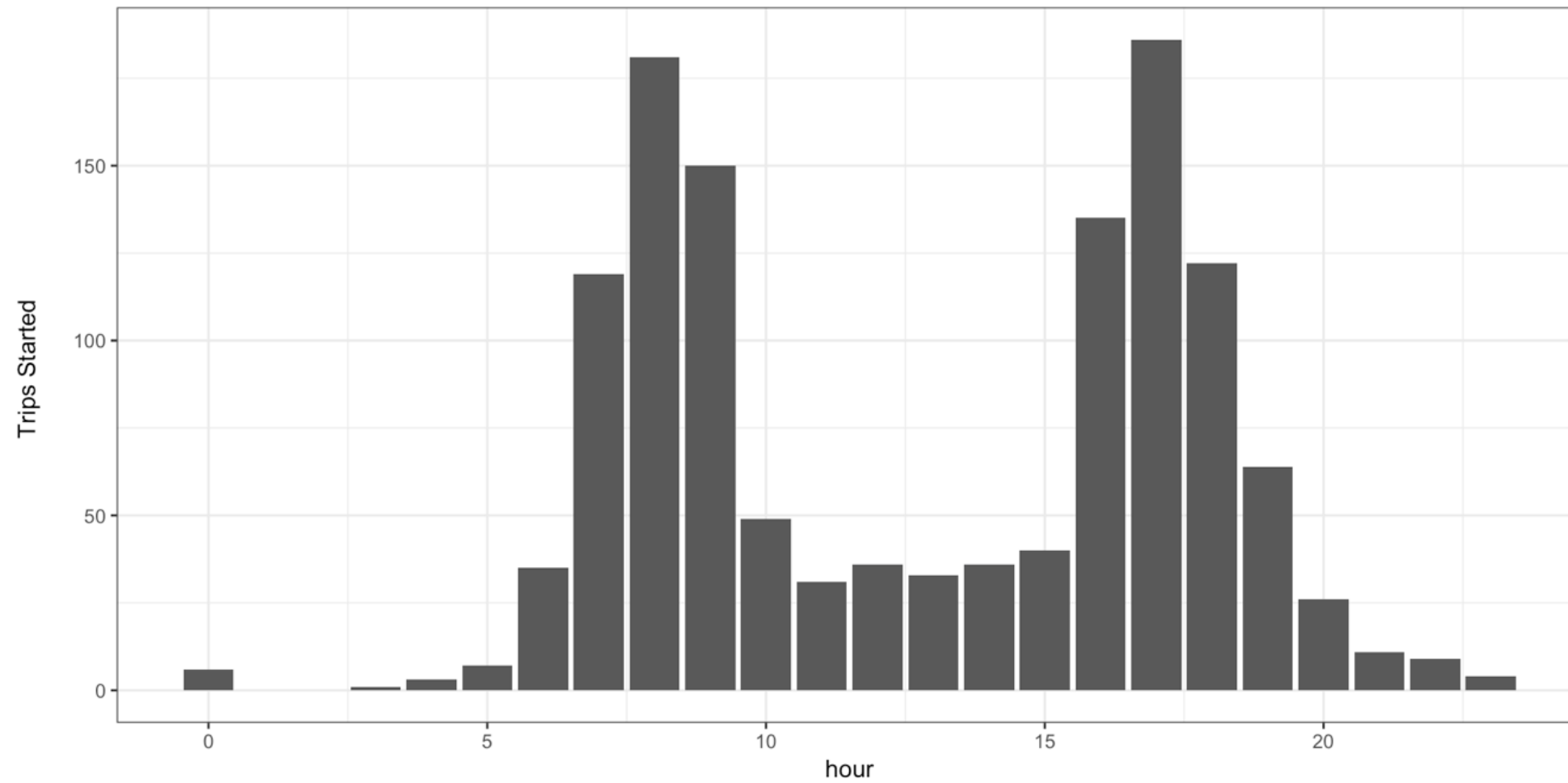
Trips by Start Time



Resizing graphs

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

Trips by Start Time



Let's practice!

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Web-friendly visualizations

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What is web-friendly?

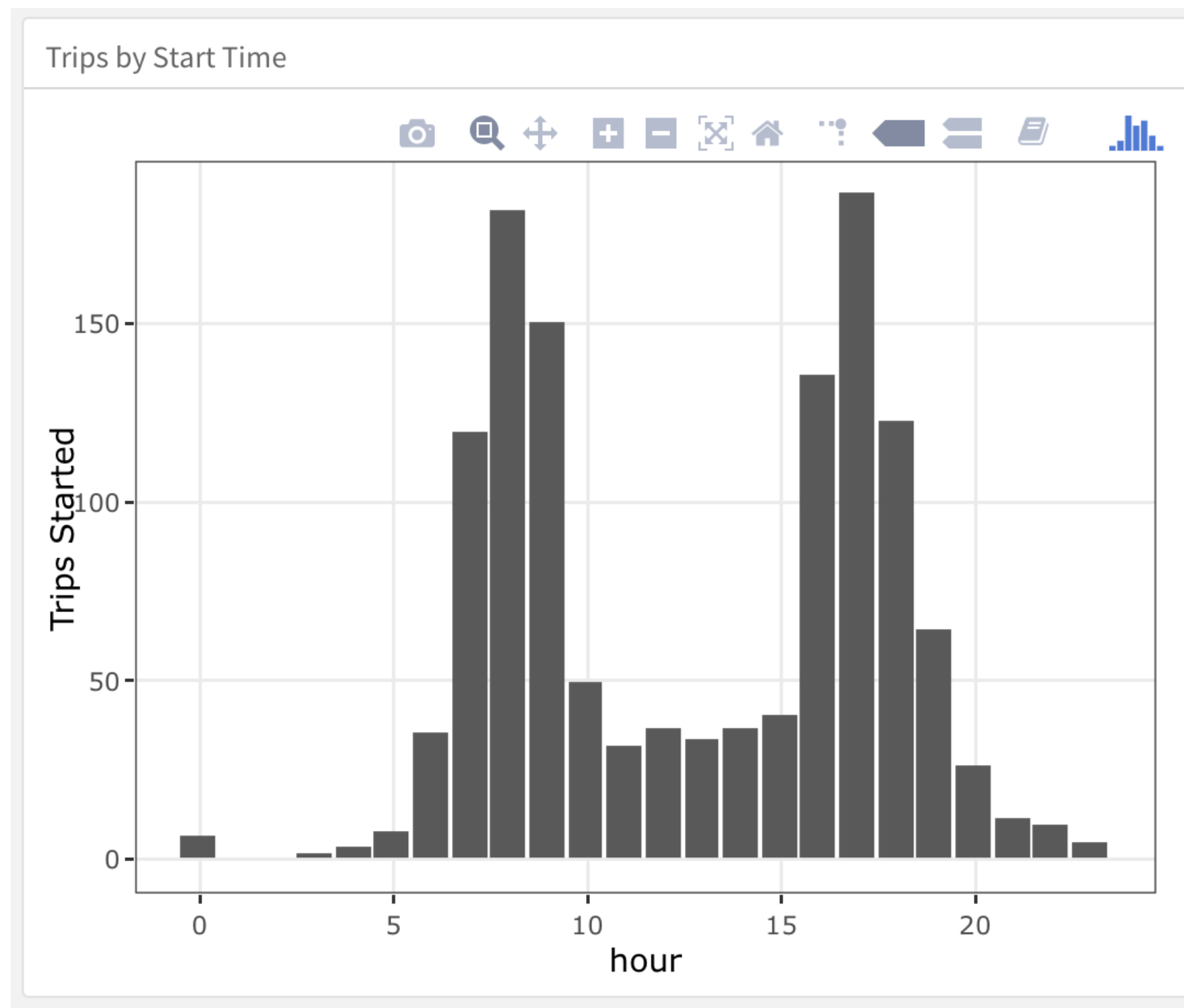
- Dynamic
- Interactive
- Based on html/javascript

Web-friendly options

- `plotly`
- `highcharter`
- `dygraphs`
- `rbokeh`
- `ggvis`

The magic of plotly

```
library(plotly)  
  
ggplotly(my_ggplot)
```



Let's practice!

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htmlwidgets

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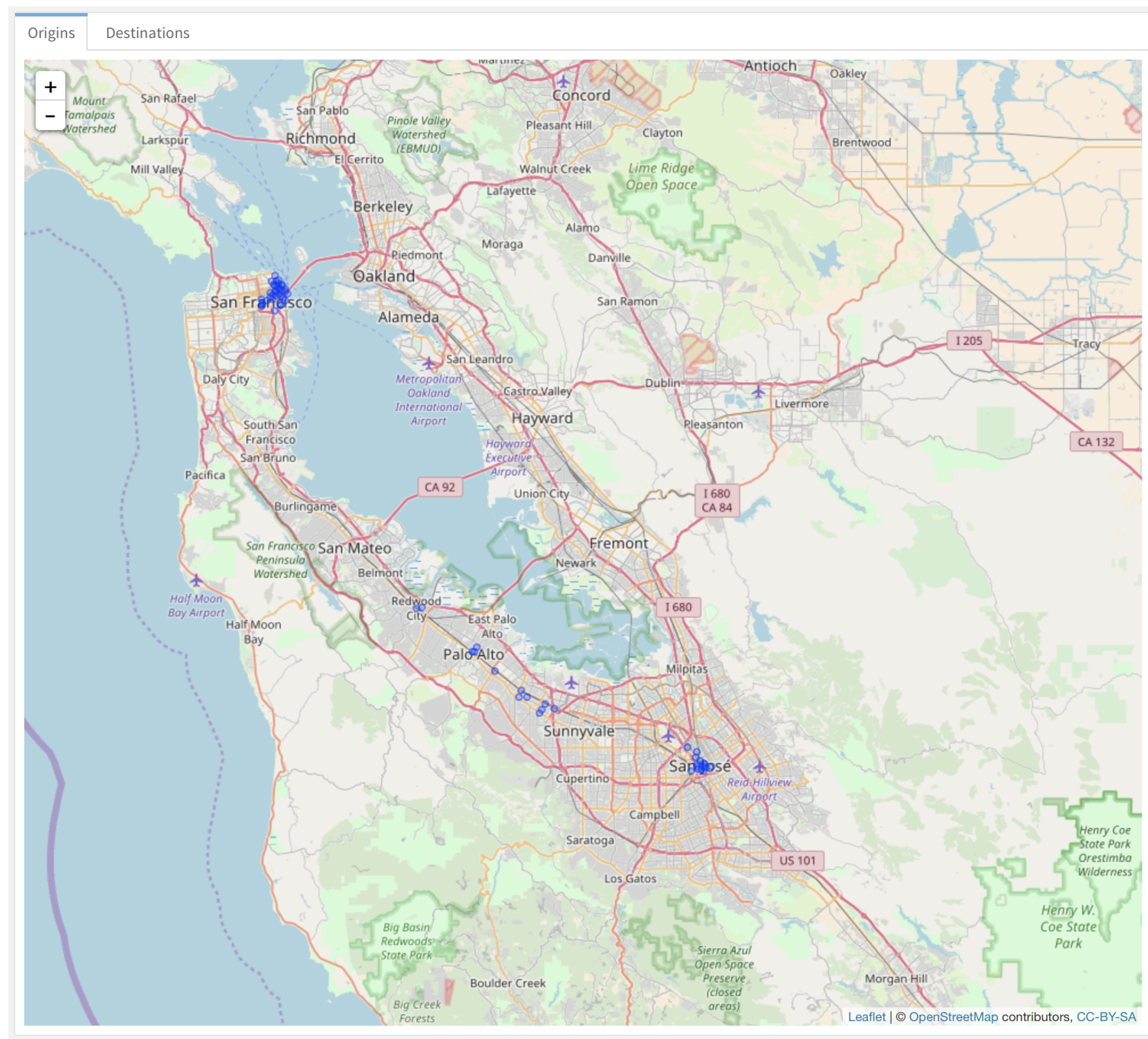
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What's an htmlwidget?

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

Learn more at: <https://htmlwidgets.org>



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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