Leaflet

The Johns Hopkins Data Science Lab

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Introduction

Leaflet is one of the most popular Javascript libraries for creating interactive maps. The leaflet R package allows you to create your own leaflet maps without needing to know any Javascript!

Installation

```
install.packages("leaflet")
```

Your First Map

```
library(leaflet)
my_map <- leaflet() %>%
  addTiles()
my_map
```

Adding Markers

Adding Many Markers

Making Custom Markers

```
hopkinsIcon <- makeIcon(
    iconUrl = "http://brand.jhu.edu/content/uploads/2014/06/g
    iconWidth = 31*215/230, iconHeight = 31,
    iconAnchorX = 31*215/230/2, iconAnchorY = 16
)

hopkinsLatLong <- data.frame(lat = c(39.2973166, 39.328885)
    lng = c(-76.5929798, -76.6206)
```

Making Custom Markers

```
hopkinsLatLong %>%
  leaflet() %>%
  addTiles() %>%
  addMarkers(icon = hopkinsIcon)
```