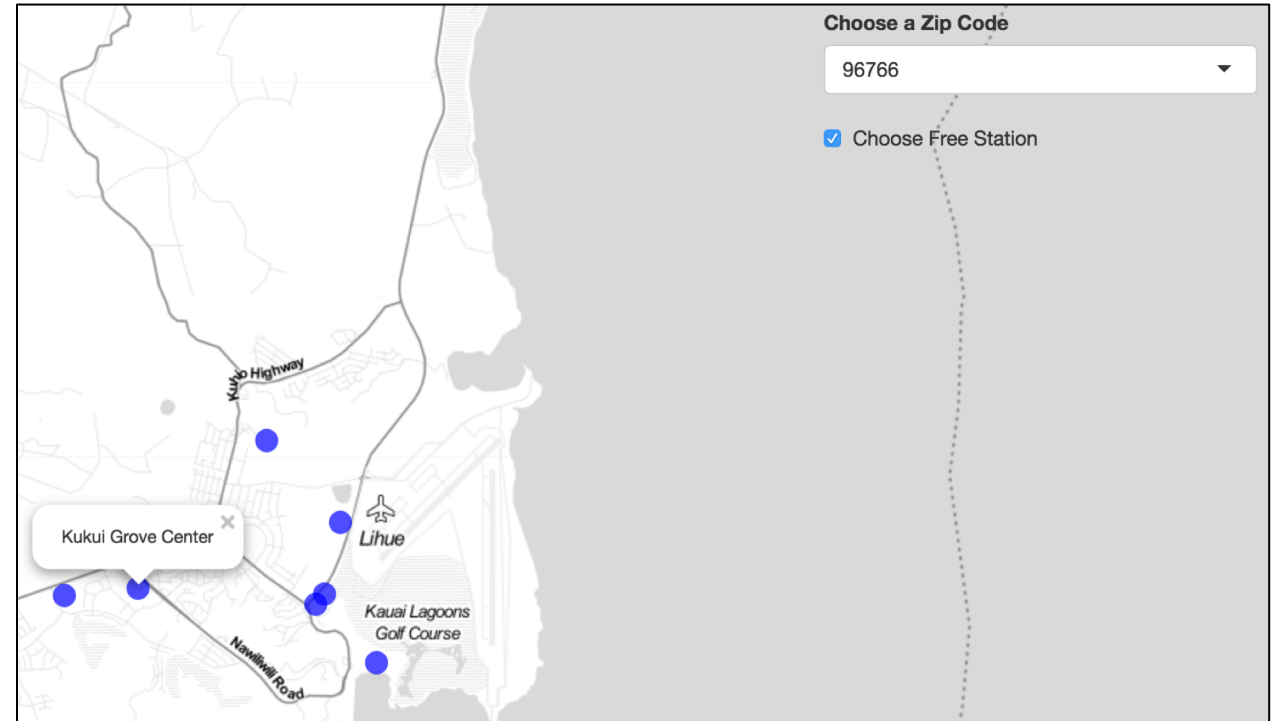
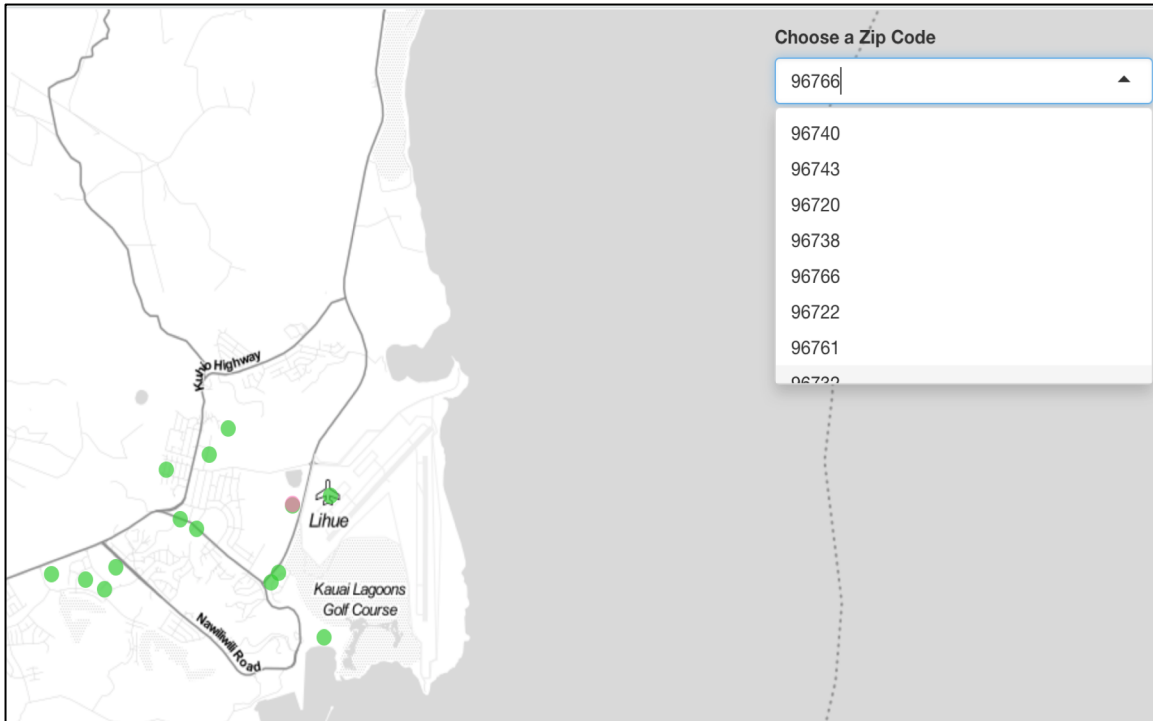

Some Information on Leaflet

By: Tori Larson



devleague

This is what my
app does!



Visit: https://larsontori94.shinyapps.io/evapp_interactive/ to see more!

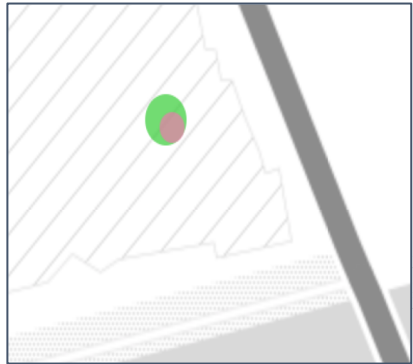
Addcirclemarkers () dissected!

The code:

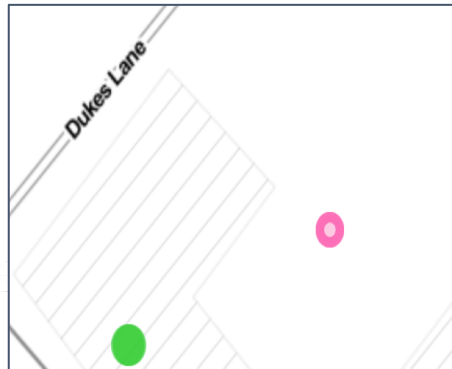
```
addCircleMarkers(  
  data = subset(EVApp, Zip.Code == 96815),  
  ~NewLong, ~NewLat,  
  radius = 6,  
  color = "#32CD32",  
  fillColor = "#32CD32",  
  stroke = FALSE,  
  fillOpacity = 6,  
  label = ~as.character("EVApp"),  
  popup = ~as.character(Zip.Code))
```

```
addCircleMarkers(  
  data = subset(jointest, Postal.Code == boop),  
  ~lon, ~lat,  
  radius = 6,  
  color = "#ff69b4",  
  fillColor = "#ff69b4",  
  stroke = FALSE,  
  fillOpacity = 10,  
  label = ~as.character("Chargepoint"),  
  popup = ~as.character(addresses))
```

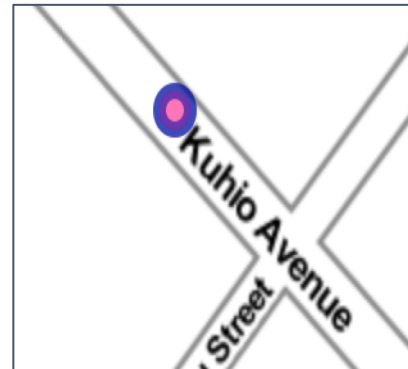
Radius: 6 vs. 10



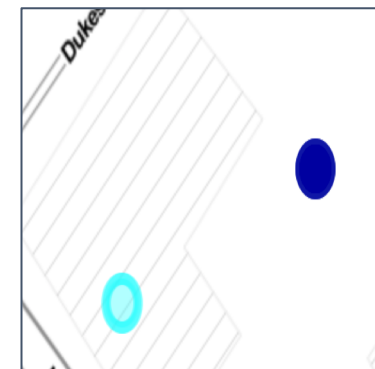
Stroke: TRUE vs. FALSE



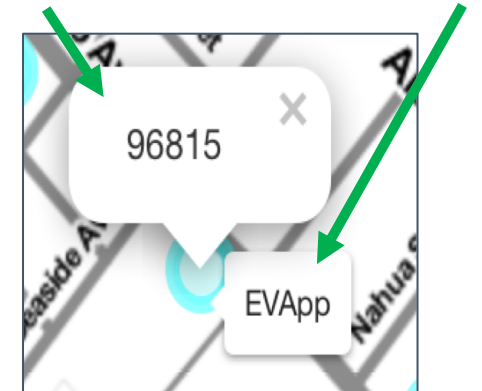
Color vs. Fill color



FillOpacity: 10 vs. 0.2

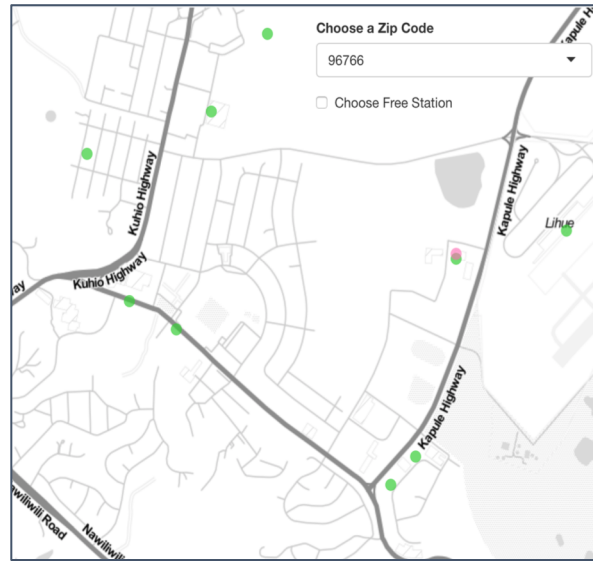


Popup (click) vs. Label (hover)



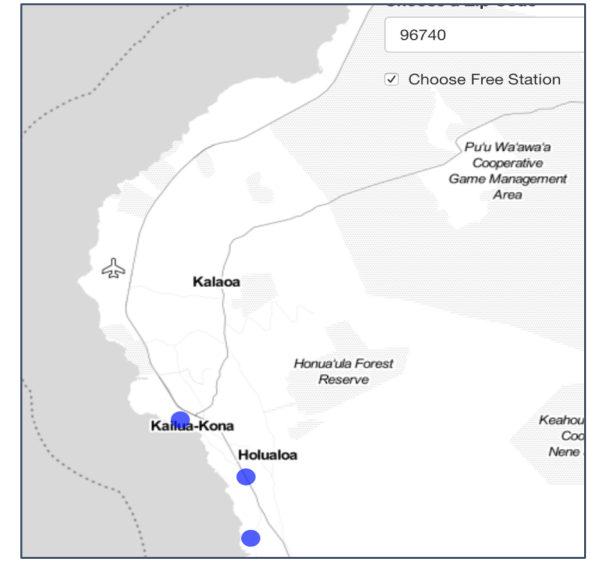
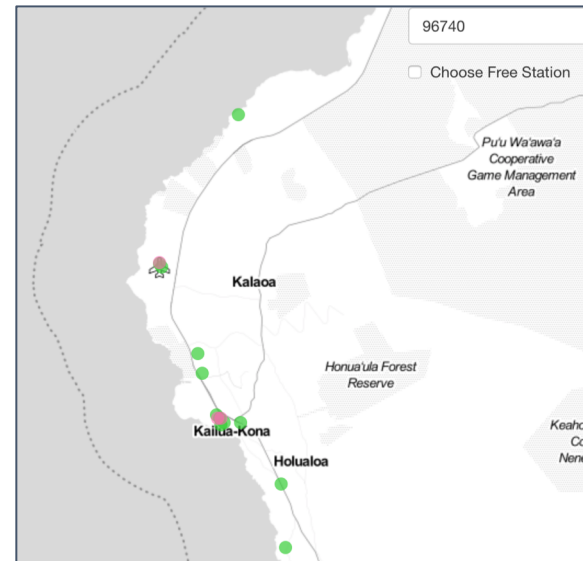
Exploration of: LeafletProxy()

What happens when you change the input with Leaflet() vs. LeafletProxy()



Leaflet()

- Changes the map based on the input



LeafletProxy()

- Uses the map already running in the page!

```

leaflet() %>%
addProviderTiles(providers$Stamen.TonerLite) %>%

addCircleMarkers(data = subset(EVApp, Zip.Code == 96720 ),
  ~NewLong, ~NewLat,
  radius = 6,
  color = "#32CD32",
  fillColor = "#32CD32",
  stroke = FALSE,
  fillOpacity = 10,
  label = ~as.character("EVApp"),
  popup = ~as.character(Zip.Code)) %>%

```

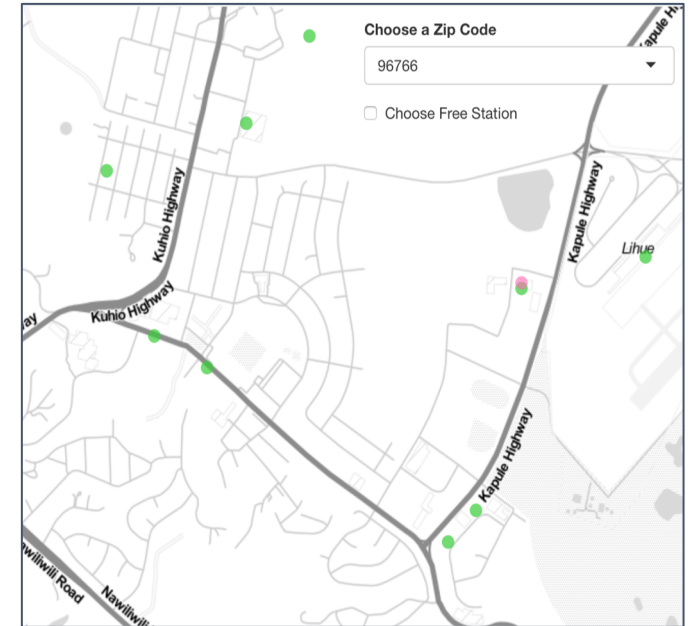
```

addCircleMarkers(data = subset(jointest, Postal.Code == 96720),
  ~lon, ~lat,
  radius = 6,
  color = "#ff69b4",
  fillColor = "#ff69b4",
  stroke = FALSE,
  fillOpacity = 10,
  label = ~as.character("Chargepoint"),
  popup = ~as.character(addresses))

```



Leaflet()



LeafletProxy()

```
proxy <- leafletProxy("map", data = EVApp)
proxy %>% clearMarkers()
  if (input$fee) {
    proxy %>% addCircleMarkers(data = subset(EVApp, Charge.Fee == "Free"),
      ~NewLong, ~NewLat,
      radius = 8,
      color = "#0000FF",
      fillColor = "          #0000FF",
      stroke = FALSE,
      fillOpacity = 10,
      label = ~as.character("FREE"),
      popup = ~as.character(Station.name))}
  else {
    proxy %>% addCircleMarkers(data = subset(EVApp, Zip.Code == 96740),
      ~NewLong, ~NewLat,
      radius = 6,
      color = "#32CD32",
      fillColor = "          #32CD32",
      stroke = FALSE,
      fillOpacity = 10,
      label = ~as.character("EVApp"),
      popup = ~as.character(Zip.Code))
    %>%
    addCircleMarkers(data = subset(jointest, Postal.Code == boop),
      ~lon, ~lat,
      radius = 6,
      color = "#ff69b4",
      fillColor = "#ff69b4",
      stroke = FALSE,
      fillOpacity = 10,
      label = ~as.character("Chargepoint"),
      popup = ~as.character(addresses))
```

