

Interactive plots using R

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Contents

Overview	2
Set plotting function	2
rCharts	2
rCharts plot functions	2
Scatterplot	2
Barplot	2
Polychart	2
MorrisJS	2
Rickshaw	3
My data examples	3
Other interactive plotting libraries in R	3

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This document can be found at <https://github.com/darwinanddavis/rInteractive>

Overview

Interactive plots using javascript viz, including rCharts, d3js, leaflet, Richshaw, to name a few. rCharts uses multiple javascript plotting libraries.

Install dependencies

Set plotting function

```
require("RCurl")
script <- getURL("https://raw.githubusercontent.com/darwinanddavis/plot_it/master/plot_it.R", ssl.verify=0)
eval(parse(text = script))

cat("plot_it( \n0 for presentation, 1 for manuscript, \nset colour for background, \nset colour palette\n")
plot_it(0,"blue","Spectral","Greens",1,"mono") # set col function params
plot_it_gg("white") # same as above
```

rCharts

rCharts plot functions

```
types <- c("points","line","bar");types
```

```
[1] "points" "line"  "bar"
```

Scatterplot

```
require(rCharts)
## Example 1 Facetted Scatterplot
data <- iris
names(iris) = gsub("\\.", "", names(iris))
r1 <- rPlot(data$SepalLength~data$SepalWidth, data=data, color='Species', type='point')
# r1$show('iframe', src = TRUE) # chart shows up on Rpubs but not in Rmd preview
```

Barplot

Polychart

Polychart

Adding javascript

```
graph_chart1.addHandler(function(type, e){
  var data = e.evtData;
  if (type === 'click'){
    return alert("You clicked on car with mpg: " + data.mpg.in[0]);
  }
})
```

MorrisJS

Interactive time series plot [with Morris JS](#)

Rickshaw

Interactive time series with [Rickshaw](#). See online example [here](#) and troubleshooting [here](#).

```
require(slidyfy)
require(rCharts)
```

Troubleshooting example.

My data examples

Examples of packages using my own data

Other interactive plotting libraries in R

- [Clickme](#)
- [Rickshaw](#)