

Simple syntax highlighted & preview

Preview

Note: Remember that this is only a preview, and has not yet been saved!

1. Text output

This code:

```
{R()}1:10{R}
```

Produces:

[1] 1 2 3 4 5 6 7 8 9 10

Edit pageProperties

No Tabs

B I U S

H1 H2 H3

!!# Text output

This code:

`{CODE(colors="rsplus")}`

`{R()}1:10{R}`

`{CODE}`

Produces:

`{R()}1:10{R}`

Escaping Wiki syntax

```
{R(wikisyntax=>0)}cat("__hello__"){R}
```

__hello__



Parsing Wiki Syntax

```
{R(wikisyntax=>1)}cat("__hello__"){R}
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hello



Simple Interface: list runs/datasets

List raw datasets

Results

Edit dataset (if chosen)

Insert new dataset

No Tabs

List raw datasets

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Simple interface: Results for one run/dataset

List raw datasets

Results

Edit dataset (if chosen)

Insert new dataset

No Tabs

Results

Values for X:
min: 1
max: 10

Those are the results:

Results from 1*10: 10
No attachment to display in this raw dataset

Graph with xmin 1 & xmax 10 and y=x^2

x	y
1	1
2	4
3	9
4	16
5	25
6	36
7	49
8	64
9	81
10	100

Edit pageProperties

No Tabs

B I U S

H1 H2 H3

```

{wiki}Values for X:
min: {f_5}
max: {f_6}

__ Those are the results __:{/wiki}

{wikiplugin _name=r width="400" height="200"}
x<-{f_5}:{f_6}
y<-x*x
plot(x,y)
title('Graph with xmin {f_5} & xmax {f_6} and y=x*x')

cat("\nResults from {f_5}*{f_6}: ")
results <- {f_5}*{f_6}

```

Simple templates for custom output

Change Highlighter

Toggle Highlighter

Describe the change you made:

Monitor this page: ☐

Preview

Save

Cancel Edit

Flexible databases in Trackers to hold run parameters

Edit This Tracker

Edit Fields

Trackers

View Items

Tracker fields

Import Tracker Fields

No Tabs

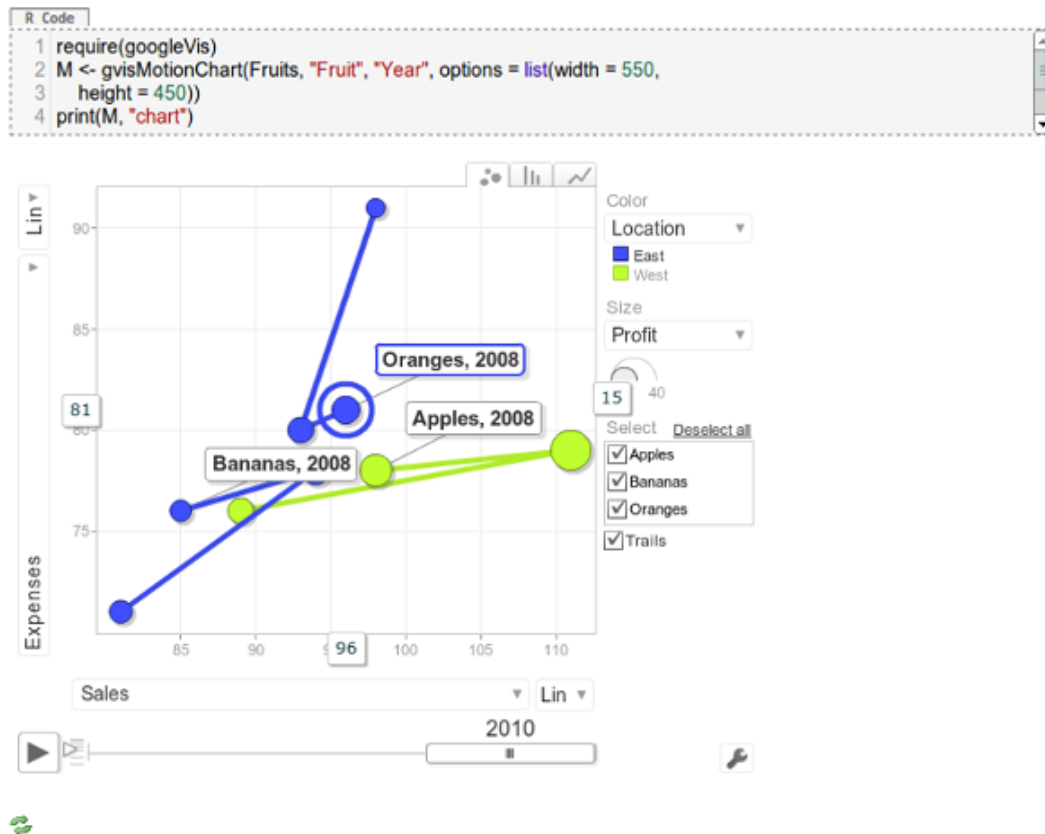
ID	Name	Type	List	Title	Search	Public	Mandatory	Actions
1	Summary	Text Field	☒	☒	☒	☒	☒	☒
2	Description	Text Area	☐	☐	☐	☒	☐	☒
3	From user	User Selector	☒	☐	☒	☒	☐	☒
4	Dataset file	Attachment	☒	☐	☒	☒	☐	☒
5	Minimum value for axis X	Text Field	☒	☐	☒	☒	☐	☒
6	Maximum value for axis X	Text Field	☒	☐	☒	☒	☐	☒

Save All

Go

Add Field

Sample wiki page with R code and chart generated



Optional pop up helpers to edit plugin calls based on GUI

1. Basic ima

RR Code

```
1 if(!require(Cairo))
2   install.packages("Cairo")
3 }
```



R Code

```
1 x<-c(1:10)
2 y <- x*x
3 plot(x,y)
```

RR (R syntax also)

Same as PluginR, but allowing the execution of potentially dangerous commands once the admin has validated

echo

Yes

Show a code block with the R commands to be run before running them (similarly to the echo command)

wikisyntax

Choose whether the output should be parsed as wiki syntax (Optional). Options: 0 (no parsing, default), 1 (p

LoadAndSave

Yes

Load a previous R user session (.RData, if any) for the same wiki page so that R object will be used while you trackers are used (wiki pages with itemId), the R session data (.RData) will be shared for the same itemId across

R Code

```
1 if(!require(Cairo)){
2   install.packages("Cairo", repos="http://ftp.heanet.ie/mirrors/cran.r-project.org/")
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```

Nice word clouds from just a few lines of R code



Mobile display mode when needed



bigger font size and buttons for human fingers in mobile devices

rCharts

rCharts is an R package to create, customize and publish interactive javascript visualizations from R using a familiar lattice style plotting interface. It has been created by [Ramnath Vaidyanathan](#). See more here: <http://rcharts.io/>



Below you will find a series of examples of nice charts using **rCharts** <http://rcharts.io> and the corresponding javascript library used in each case.

Page contents:

- [Introduction](#)
- [Examples](#)
- [Credits](#)
- [License](#)

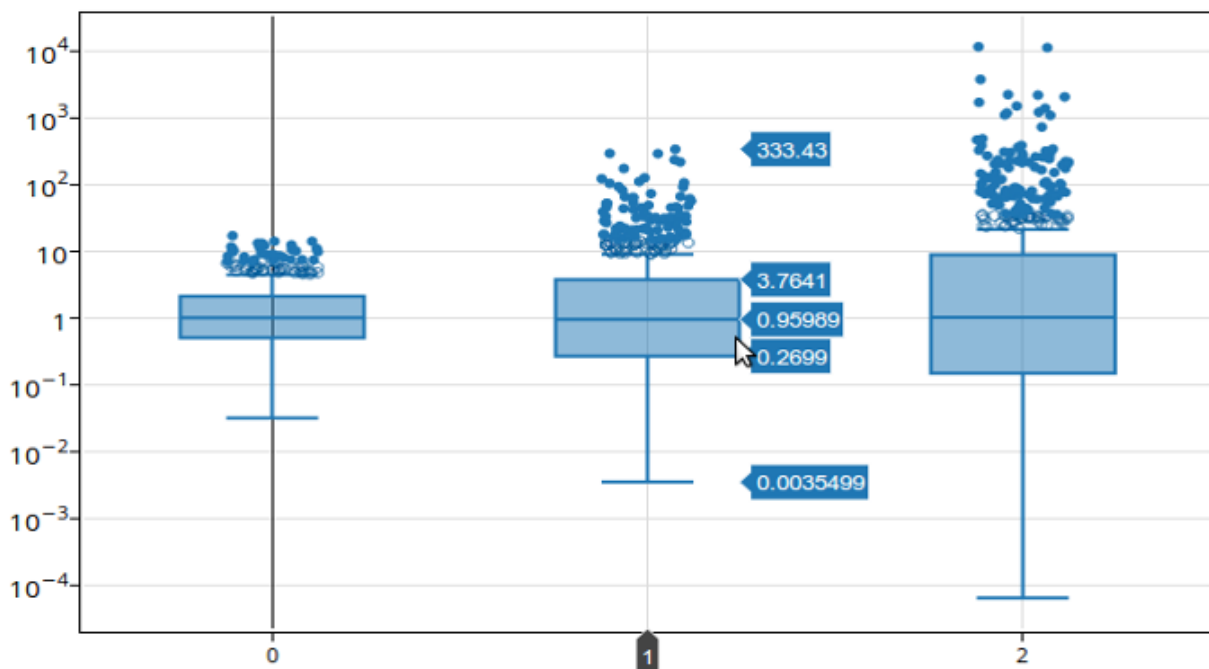
Custom maps with GoogleVis

```
10 G5 <- gvisGeoMap(CiudadPopular, locationvar='Ciudad', numvar='Popular',  
11 options=list(region='ES', height=350,  
12 dataMode='markers',  
13 colors=[0xFF8747, 0xFFB581, 0xc06000]))  
14  
15 # plot(G5)  
16 print(G5, "chart")
```

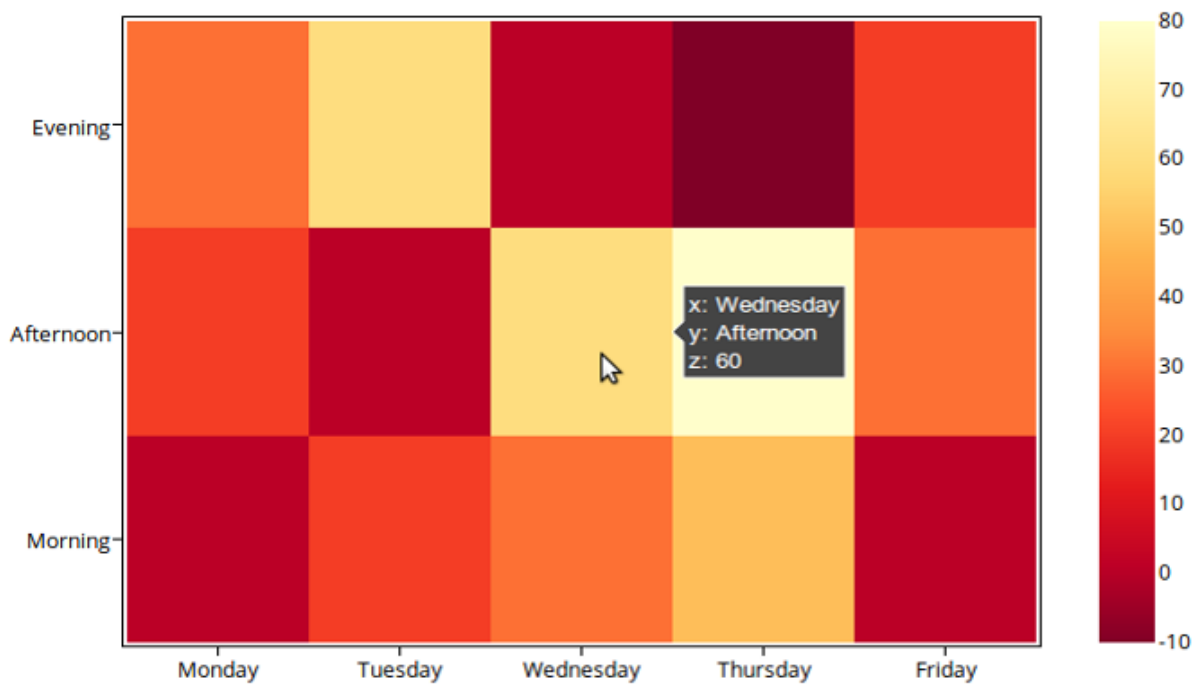


Embedded plot.ly charts

Fun with the Lognormal distribution



Embedded plot.ly charts: Heatmaps



Custom output for higher control on figure results (pdf)

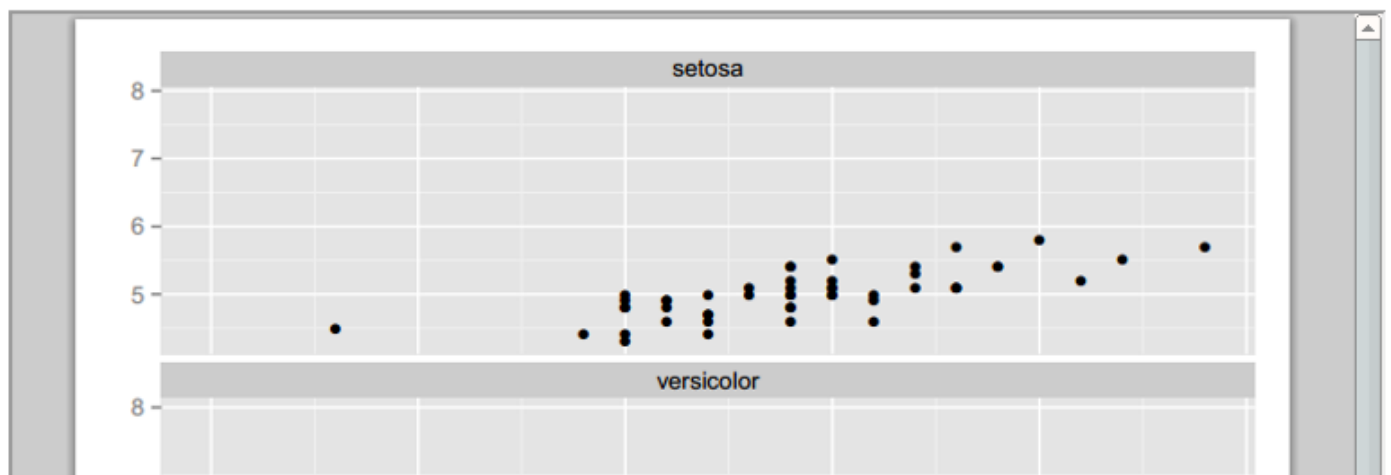
```

10 device.height = convertHeight(sum(g[["heights"]]), "in", valueOnly=TRUE)
11 pdf("testr.pdf", height = device.height)
12 grid.draw(g)
13 invisible(dev.off())
  
```

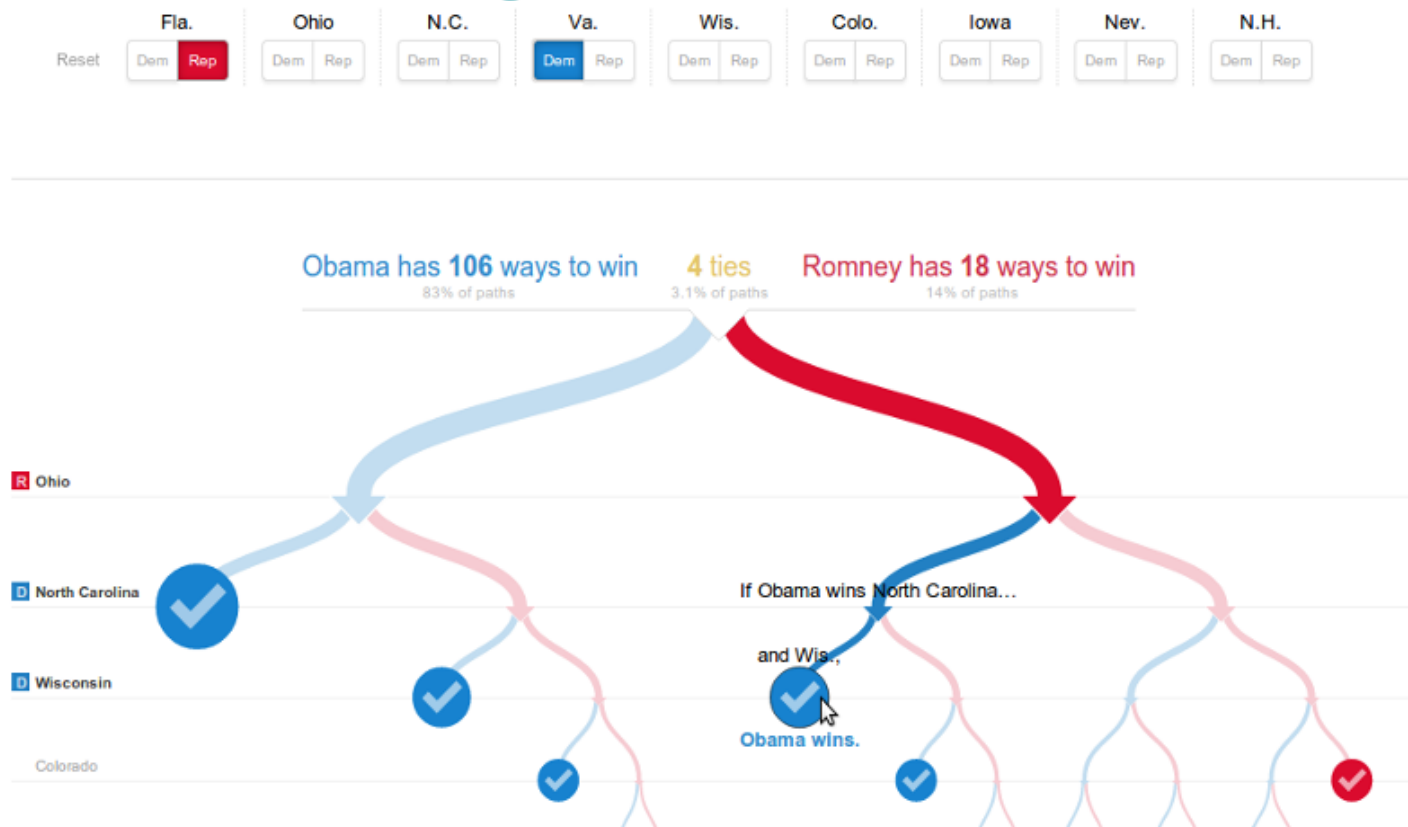


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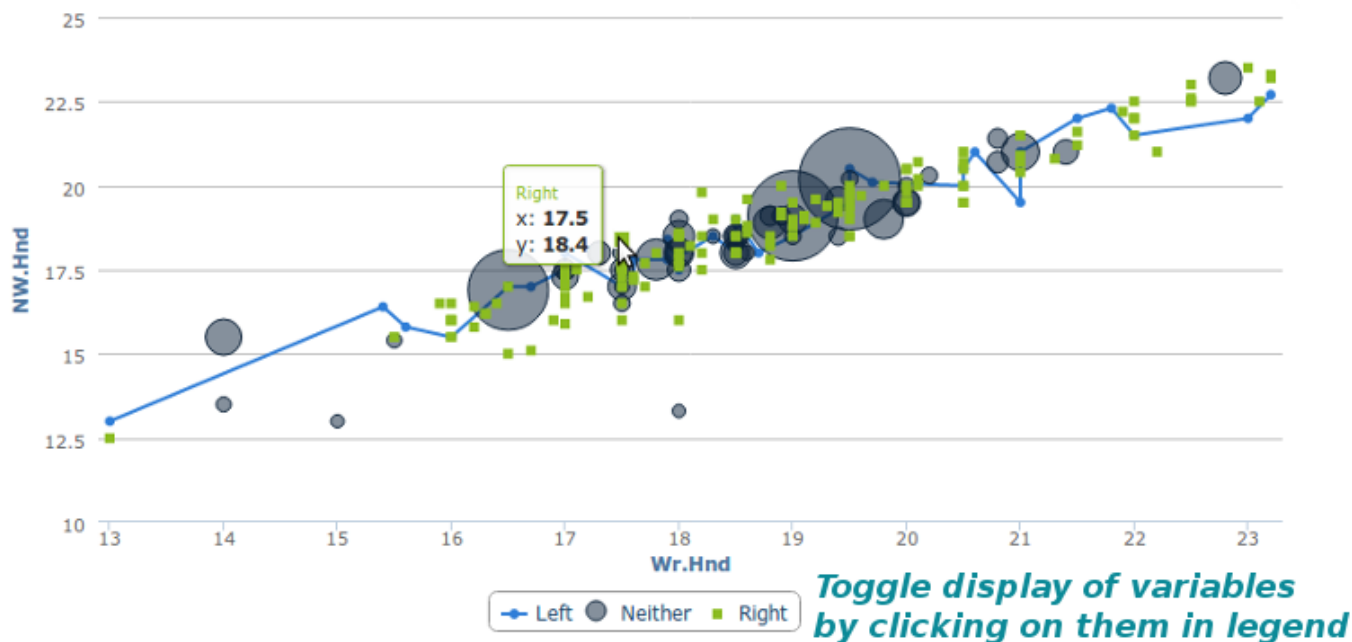
{mediaplayer fullscreen="true" src="temp/cache/r.tiki.org/R_r_test08_customoutput/testr.pdf" width="100%" height="600px" style="normal"
wmode="transparent"}
  
```



rCharts Interactive figures: NYT 512 Paths to White House

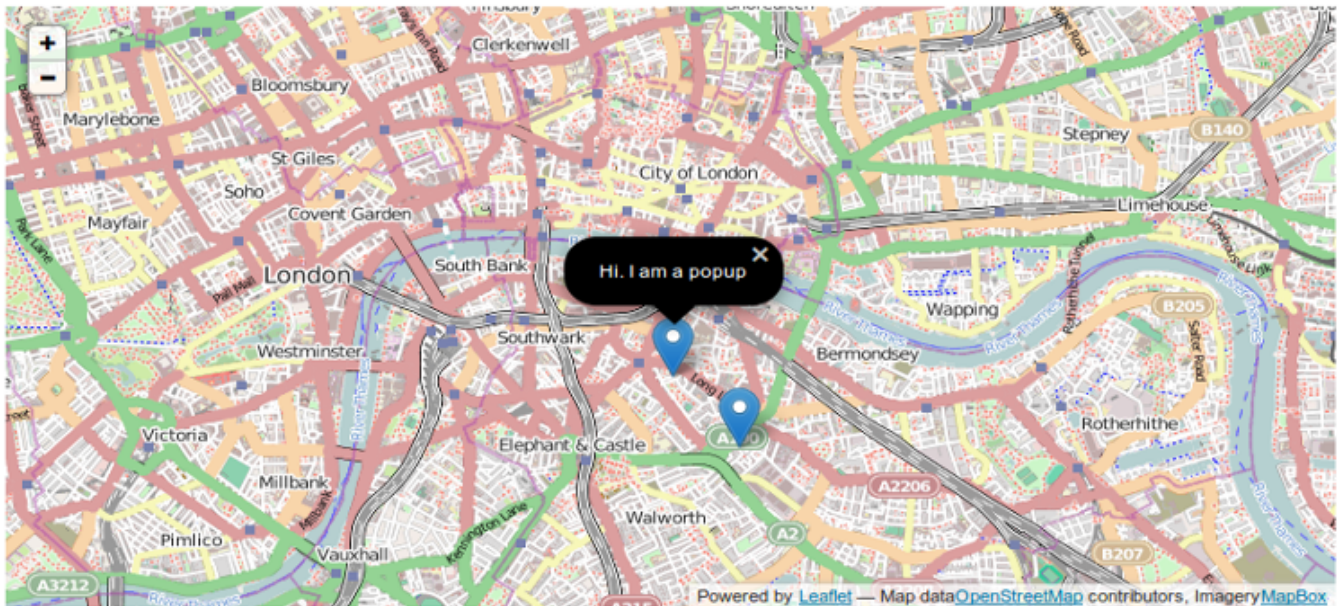


rCharts: show data on hover & control vars. displayed



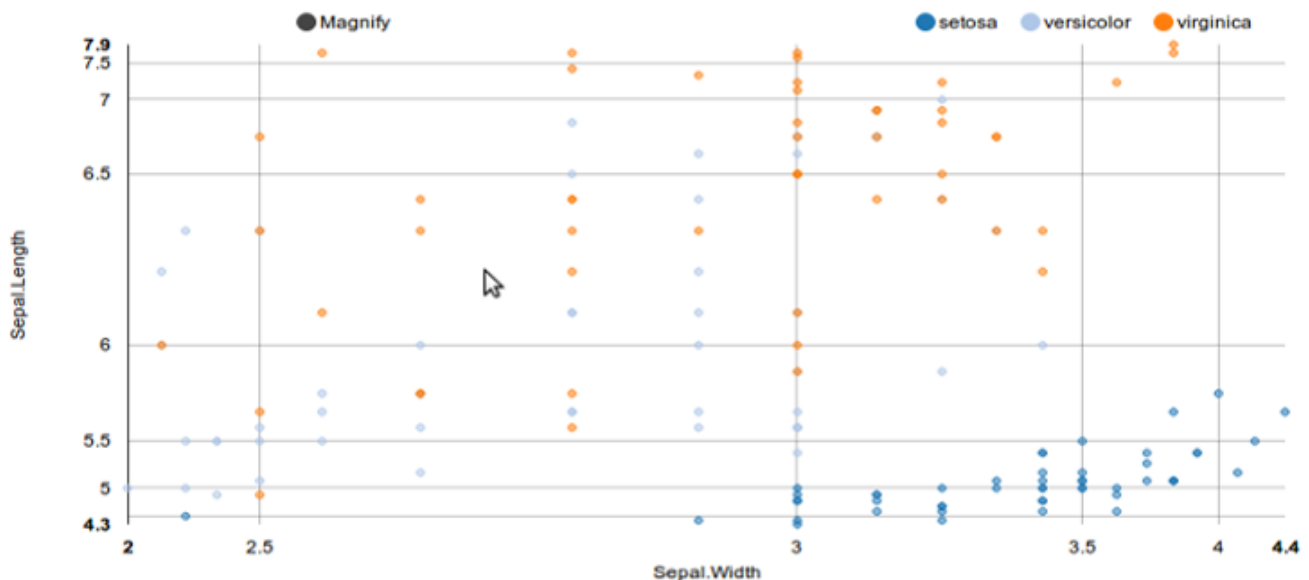
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10 #map3$print("chart7")
11 map3$LIB[2] <- "http://r.tiki.org/rcharts_libraries/leaflet"
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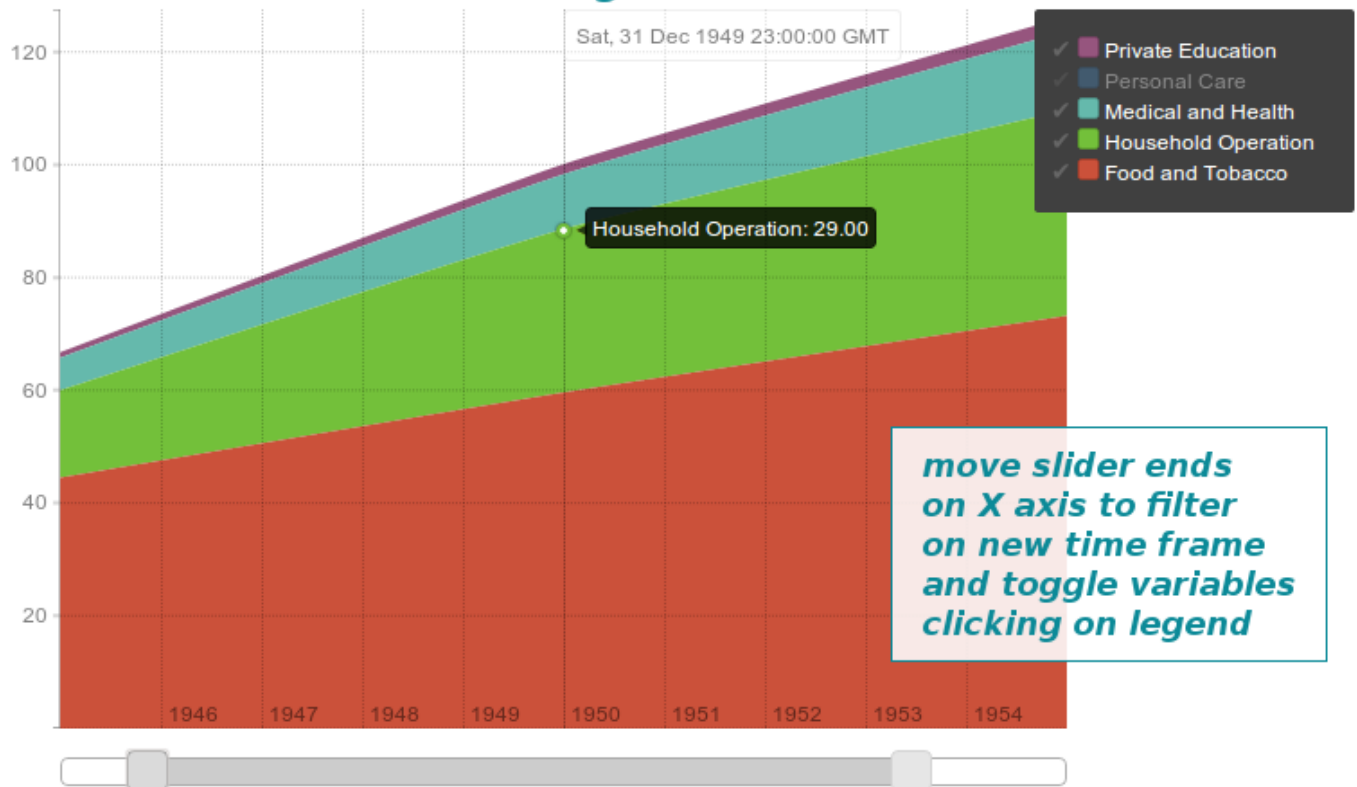


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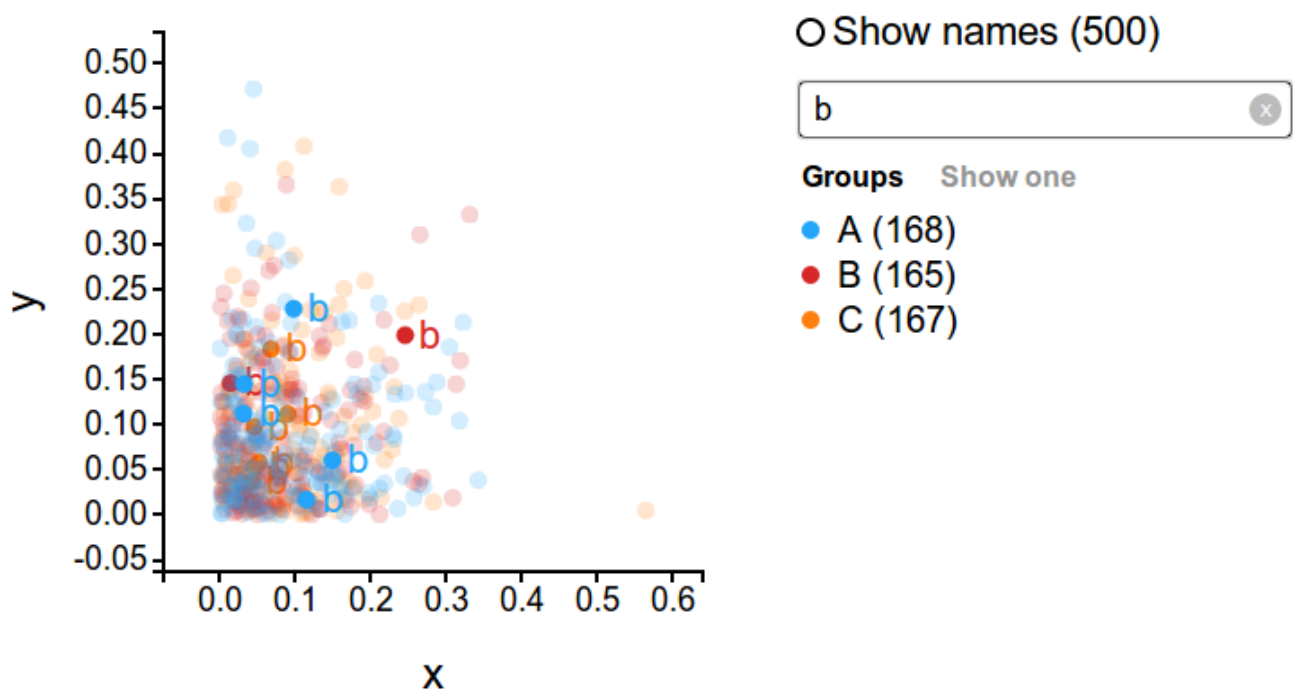
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9 n2 <- nPlot(Sepal.Length ~ Sepal.Width, data = sepal, type = "scatterChart",
10 group = "Species")
11 n2$xAxis(axisLabel = "Sepal.Width") # add x axis label
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13 #n2$print("nvd3Scatter")
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16 n2$save("n2.html")
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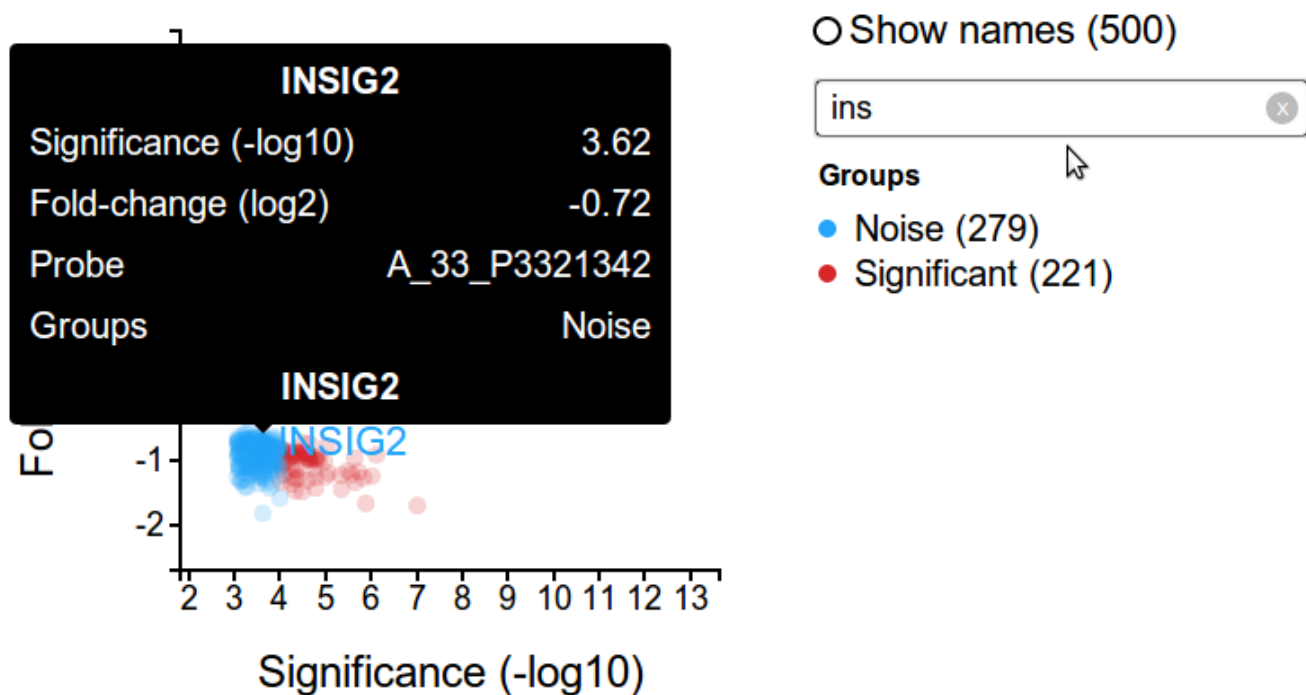
rCharts: Select time range on X and vars on Y



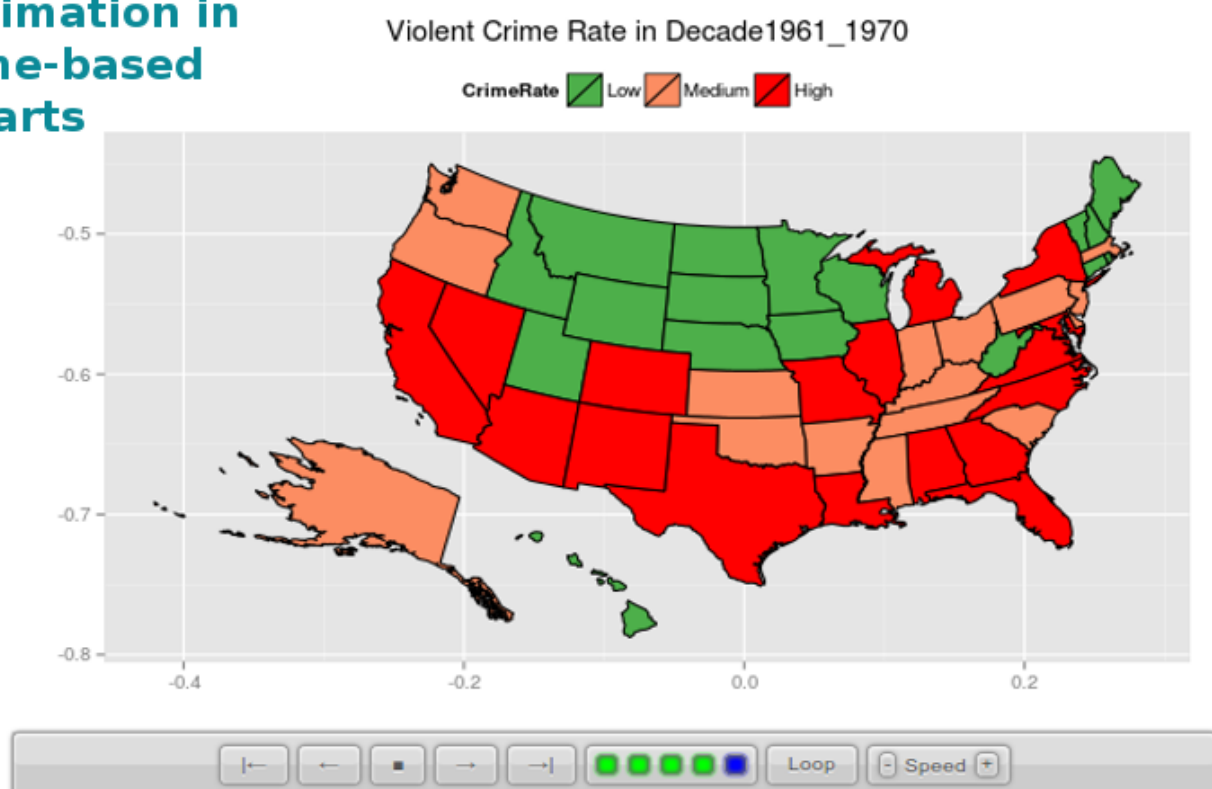
Clickme: Interactive filtering charts by point names



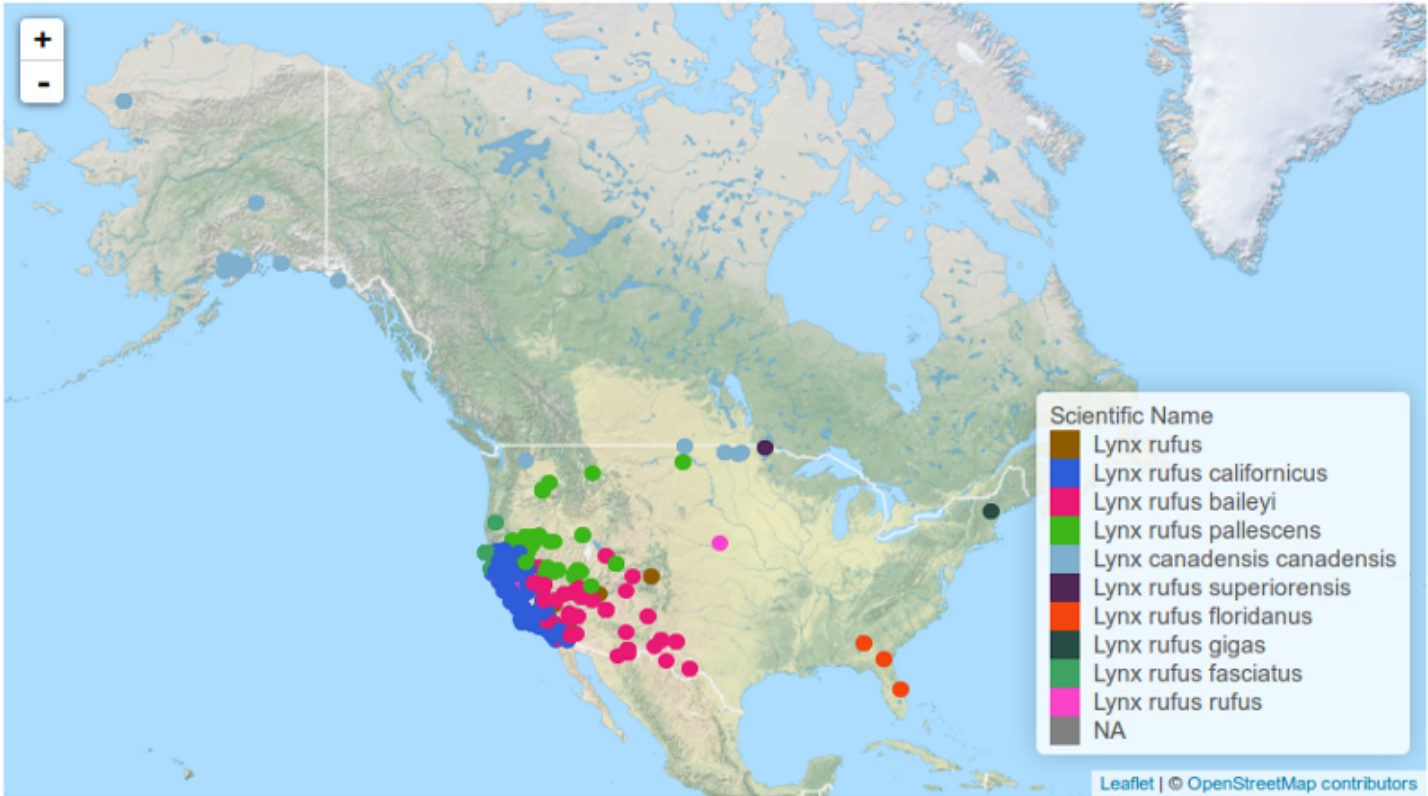
Clickme: highlight data points with partial filter match



Animation in time-based charts



Ecoengine: distribution maps based on database records



Ecoengine: Photo viewer based on remote ecological data

Photo	Authors	County	Notes	Start Date
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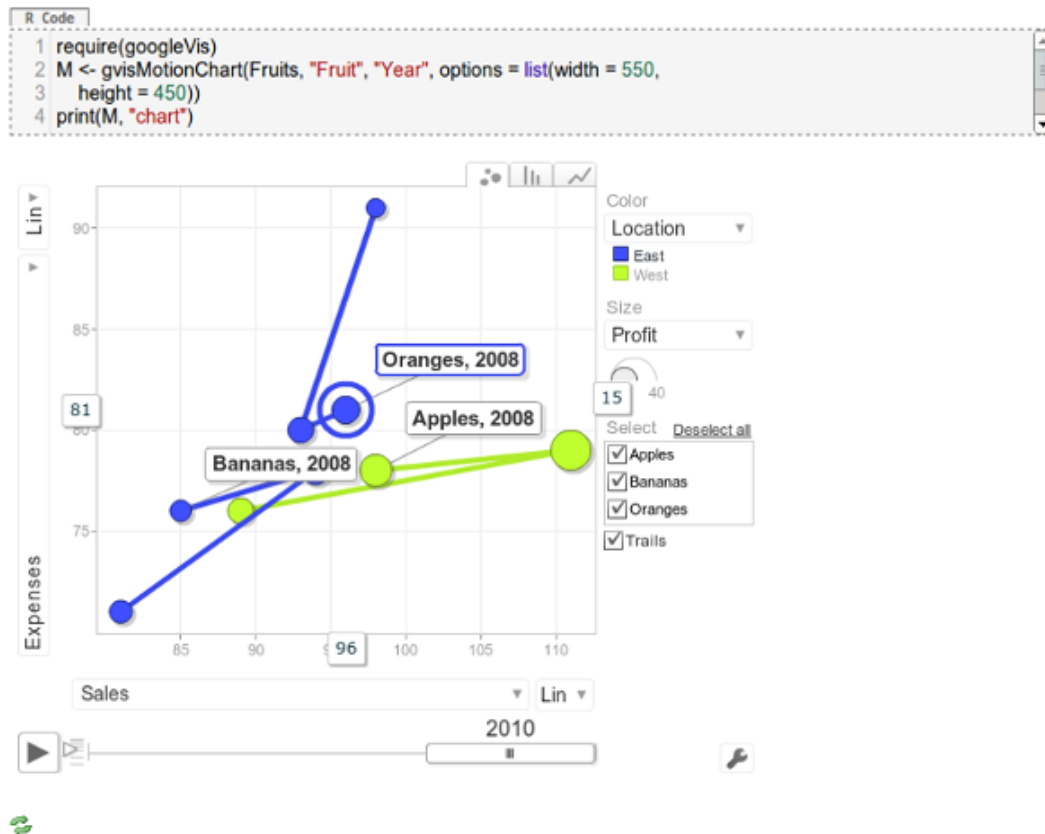
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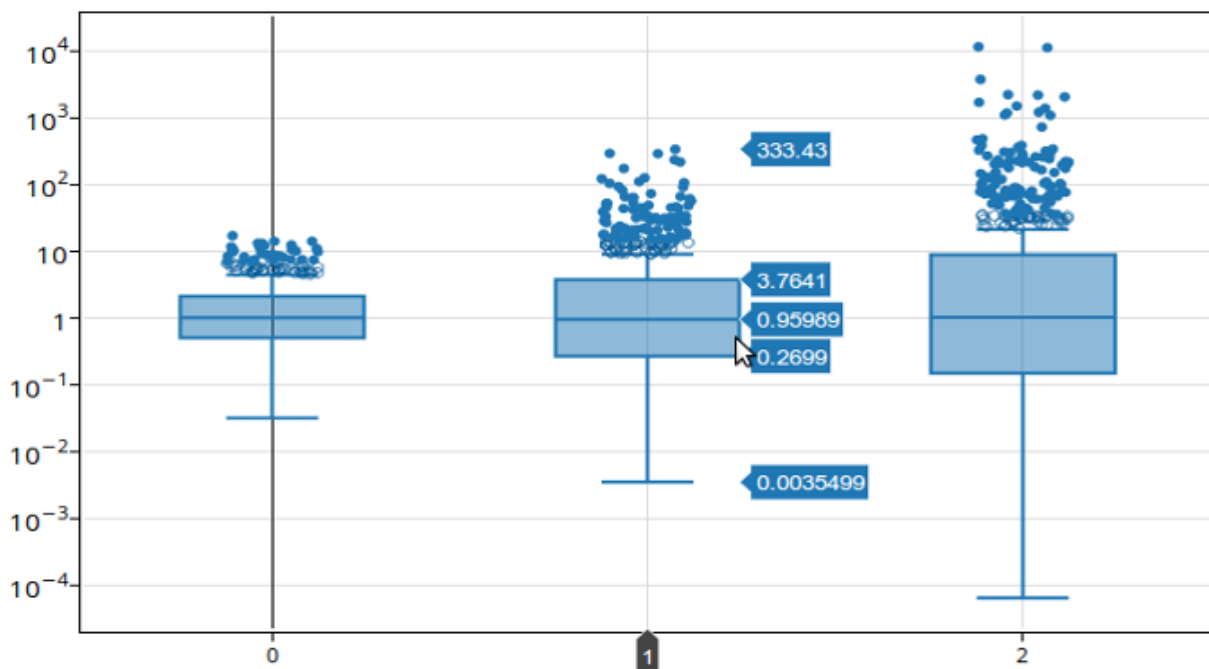
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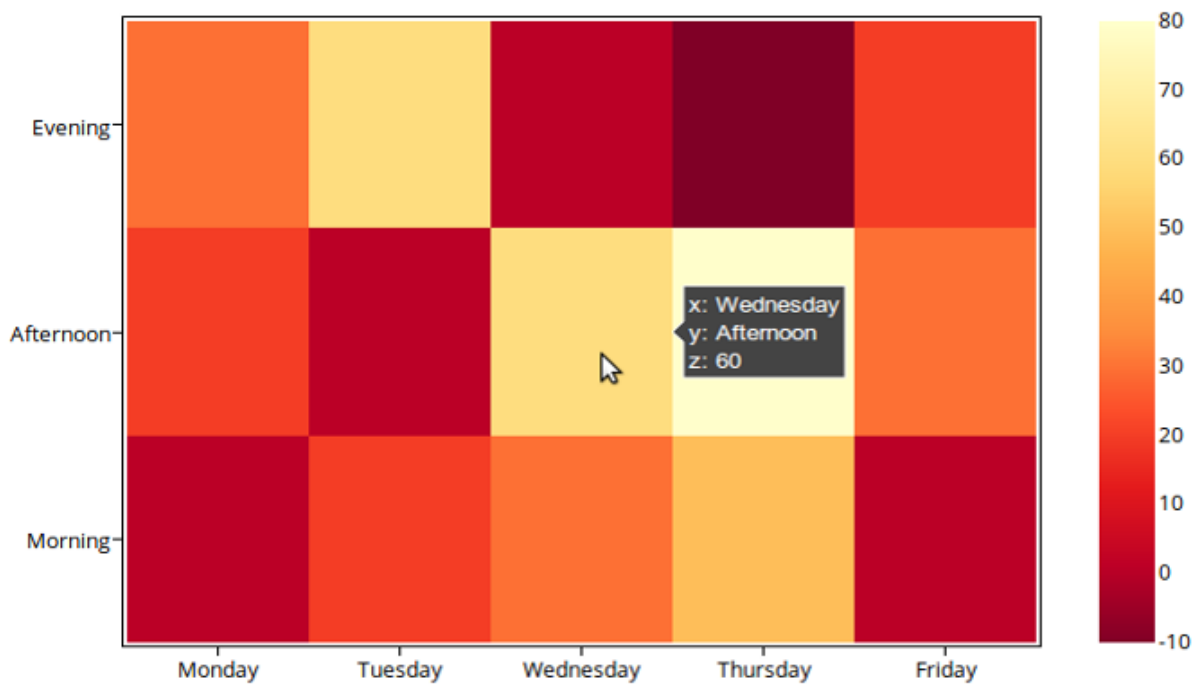


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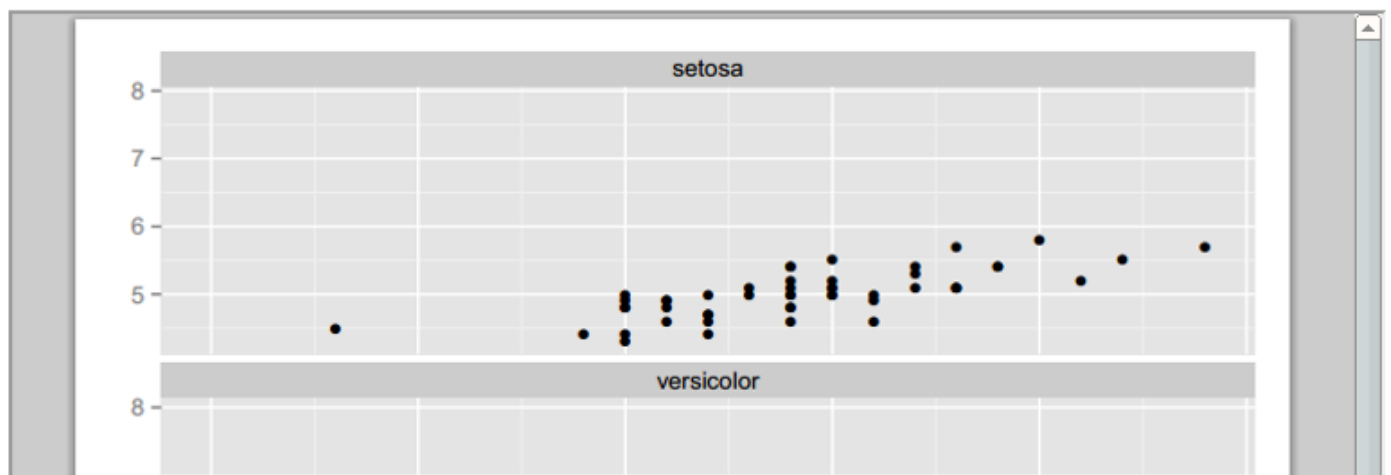
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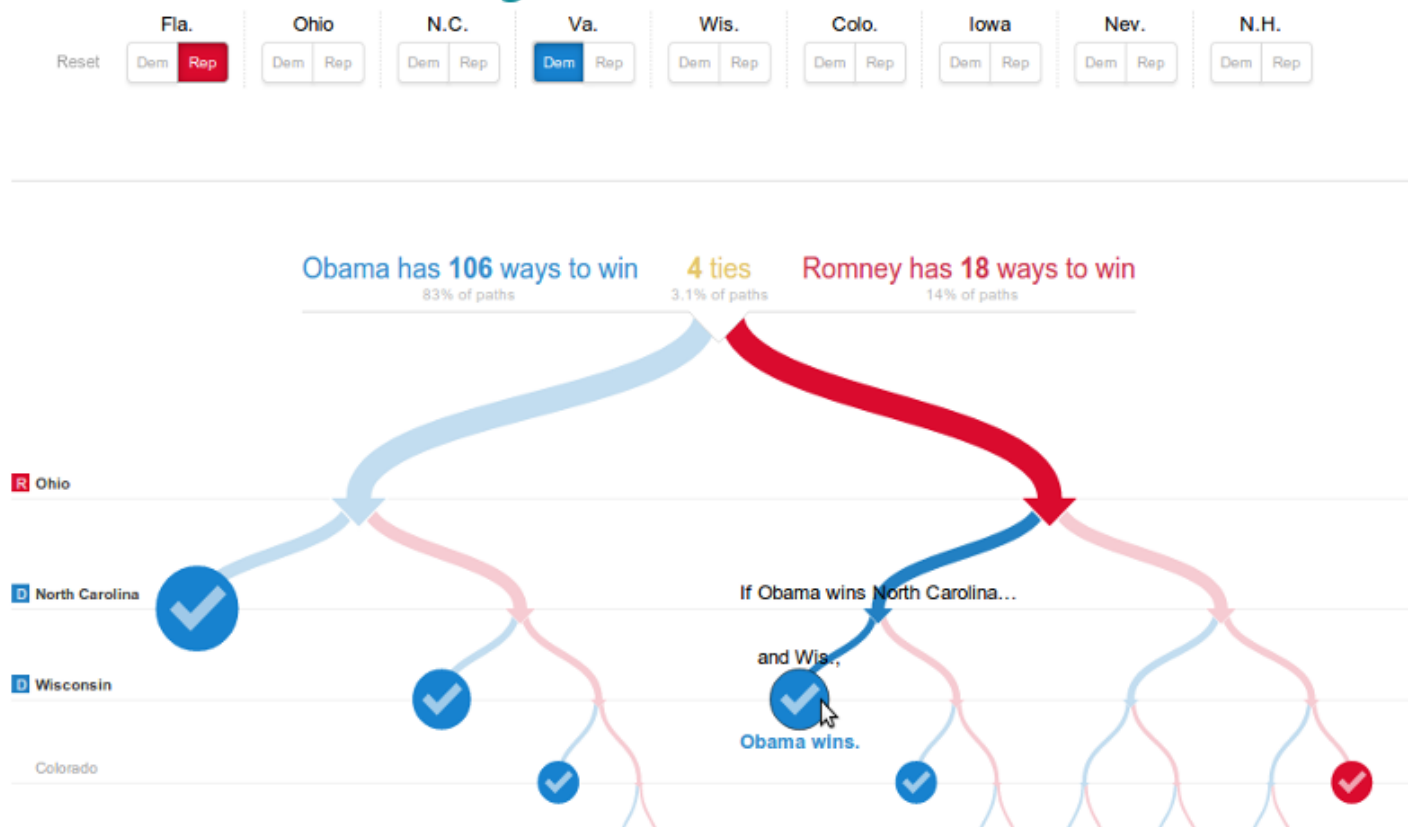
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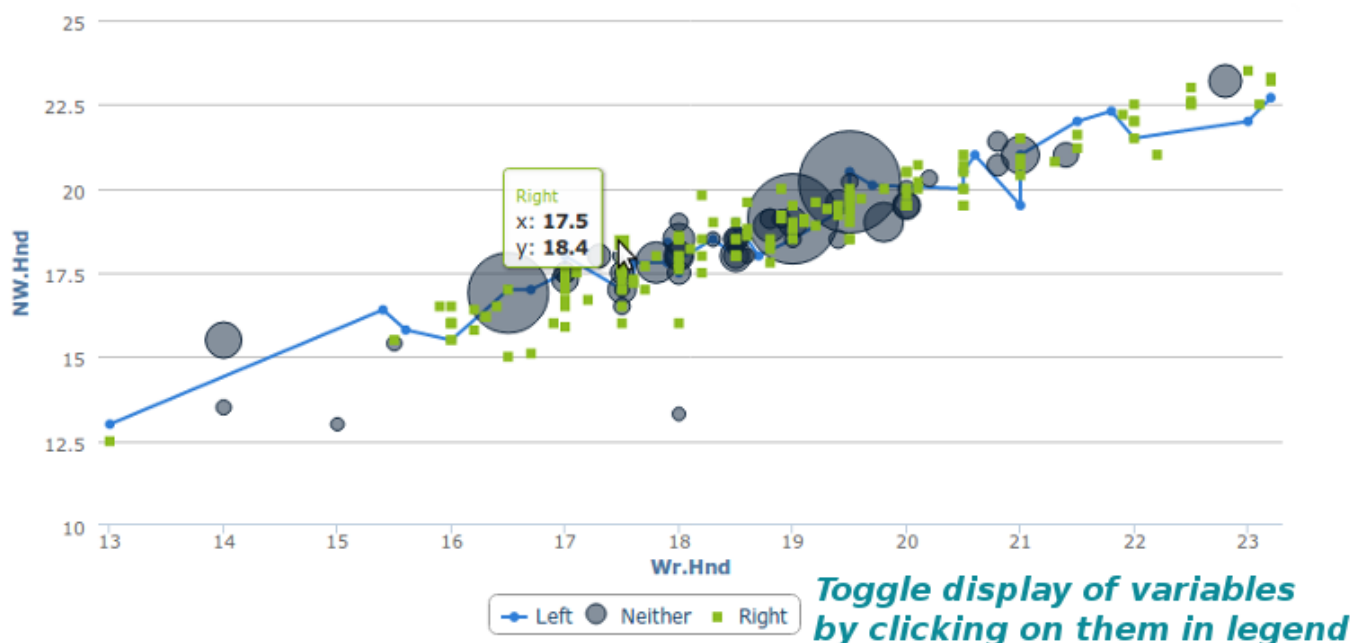
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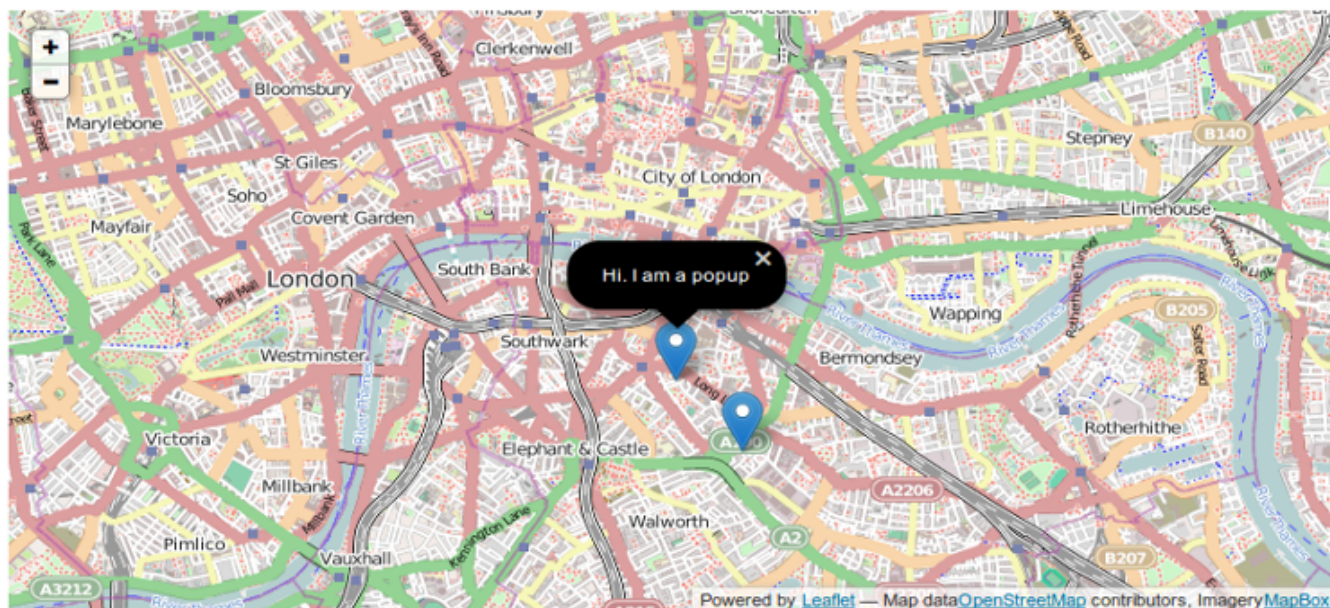


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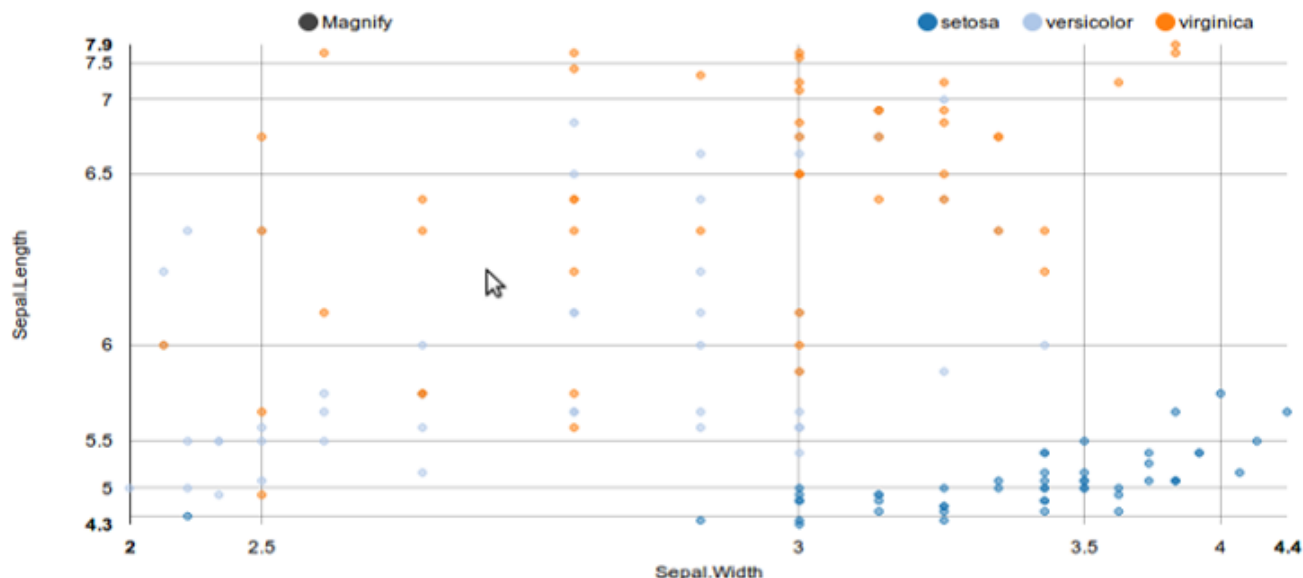
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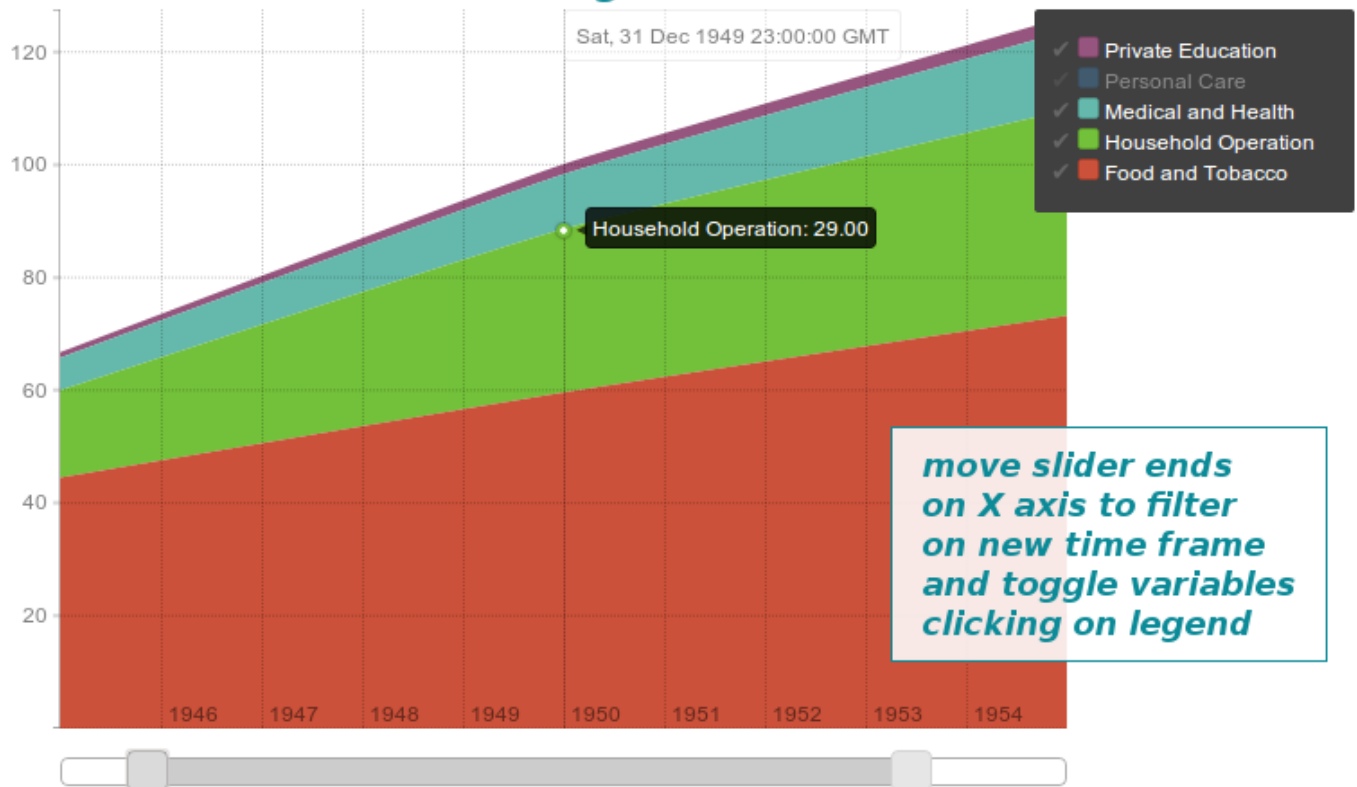


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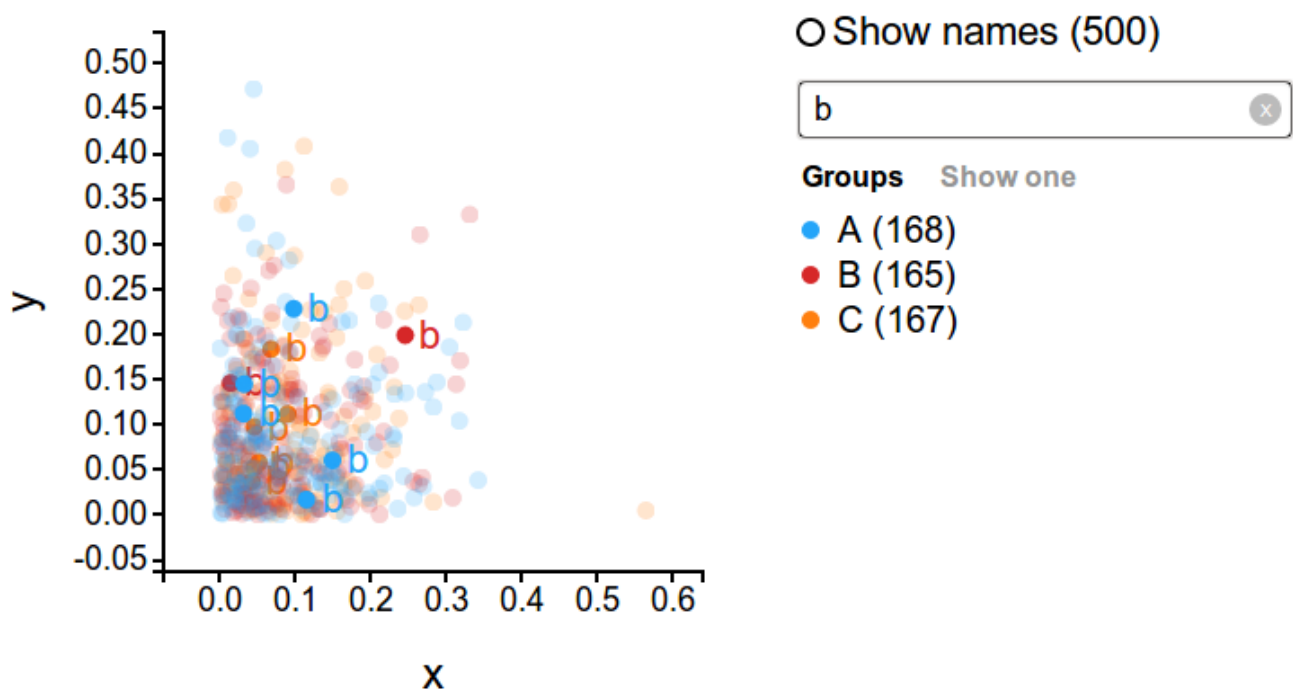
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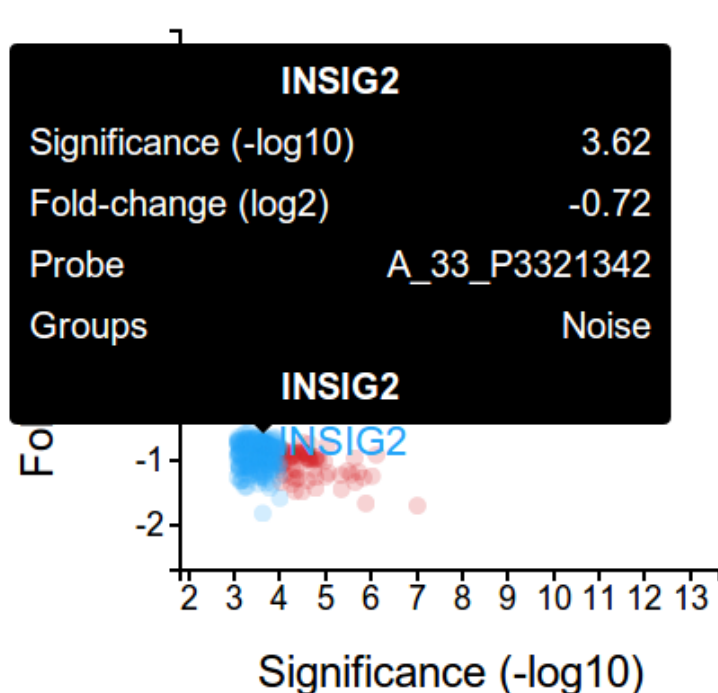
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Clickme: Interactive filtering charts by point names



Clickme: highlight data points with partial filter match



☐ Show names (500)

ins

Groups

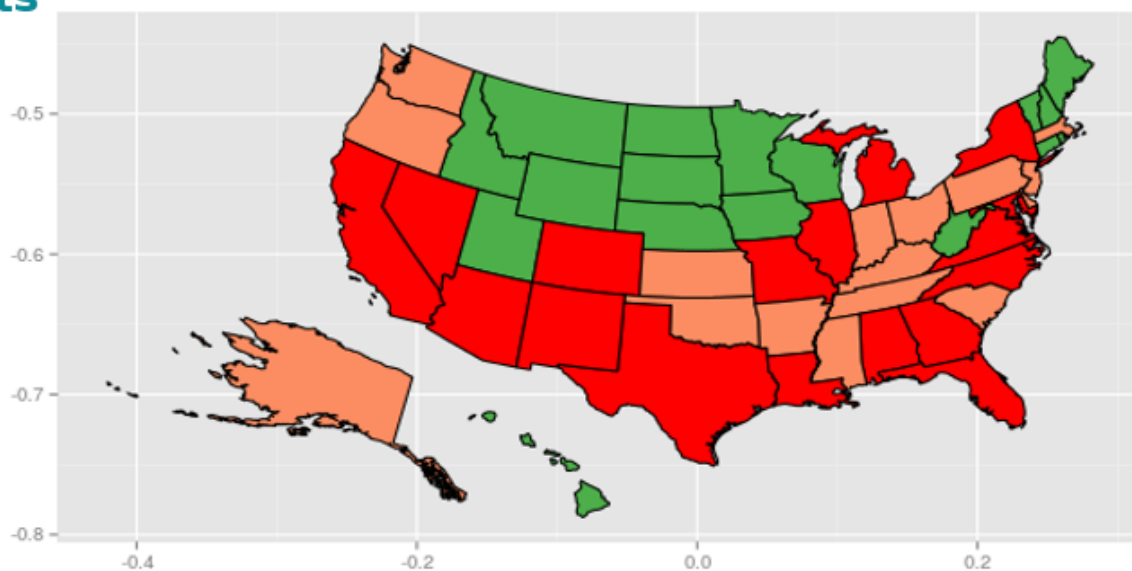
☒ Noise (279)

☐ Significant (221)

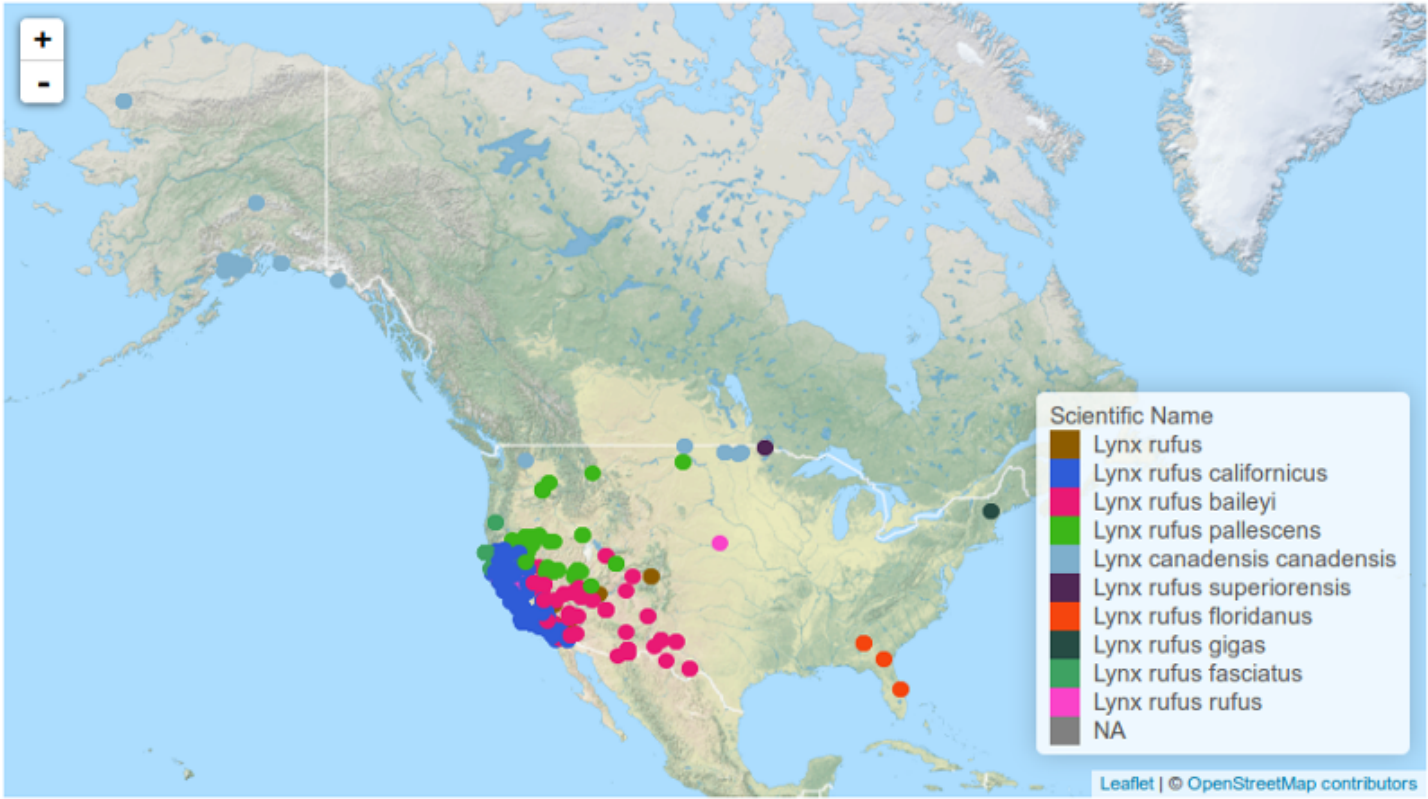
Animation in time-based charts

Violent Crime Rate in Decade1961_1970

CrimeRate ☒ Low ☒ Medium ☒ High



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