Simple syntax highlighted & preview

Preview

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

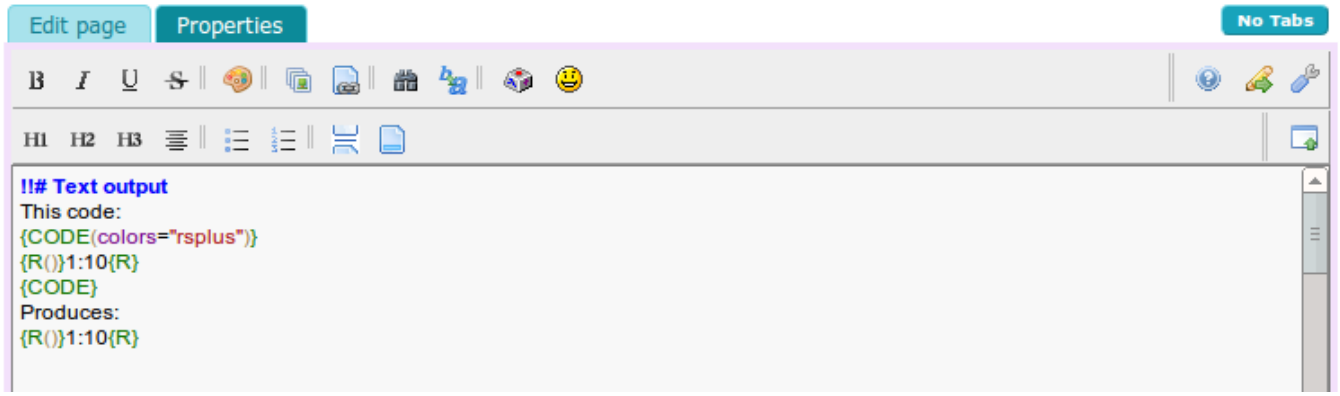
1. Text output

This code:

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

Produces:

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



Escaping Wiki syntax

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

```
__hello__
```

Parsing Wiki Syntax

```
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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

Summary	Description	From user	Dataset file	Minimum value for axis X	Maximum value for axis X	LastModif
Sample dataset	This dataset was created as part of the sample data for r_test.	admin	1	10		2013-08-30 17:37
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A really old dataset	This dataset is outdated.	admin	100	110		2012-05-11 16:57

Simple interface: Results for one run/dataset

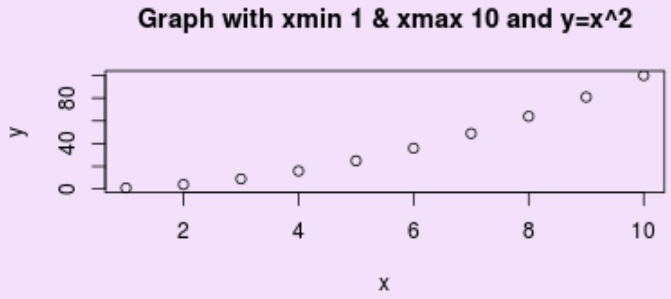
List raw datasets | Results | Edit dataset (if chosen) | Insert new dataset | No Tabs

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
```



Edit page | Properties | No Tabs

```
{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	☑	☐	☑	☑	☐	✖

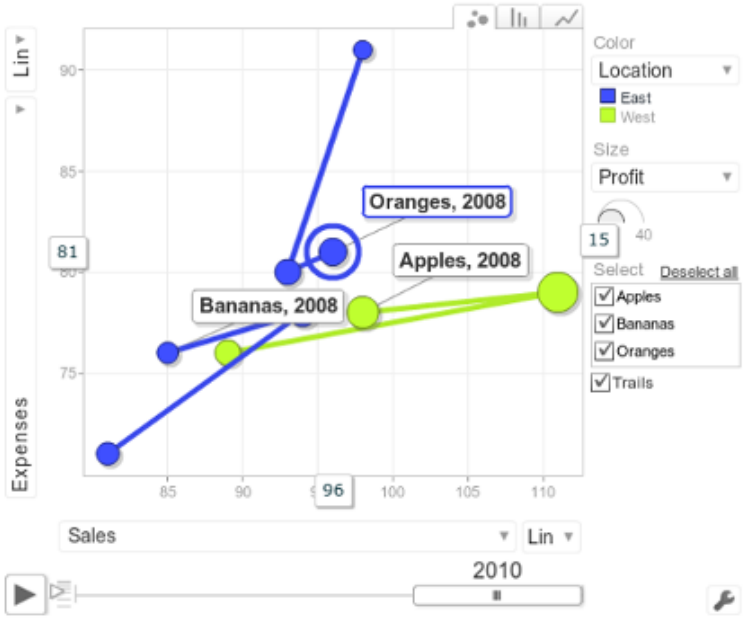
Save All | Go

Add Field

Sample wiki page with R code and chart generated

R Code

```
require(googleVis)
M <- gvisMotionChart(Fruits, "Fruit", "Year", options = list(width = 550,
    height = 450))
print(M, "chart")
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Optional pop up helpers to edit plugin calls based on GUI

1. Basic ima

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```
x<-c(1:10)
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Same as PluginR, but allowing the execution of potentially dangerous commands once the admin has validate

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

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

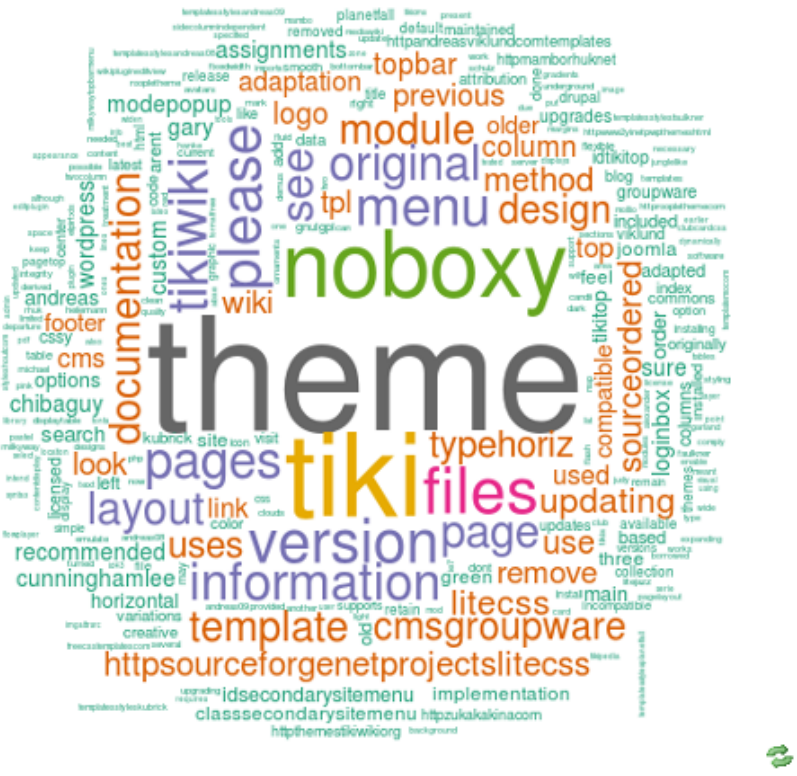
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Load a previous R user session (.RData, if any) for the same wiki page so that R object will be used while you
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R Code

```
if(!require(Cairo)){
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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/



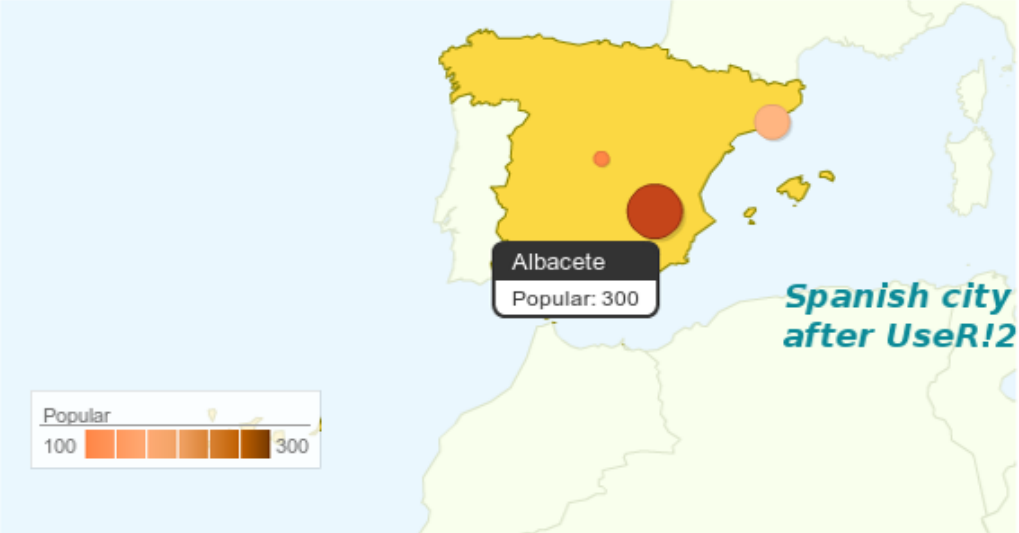
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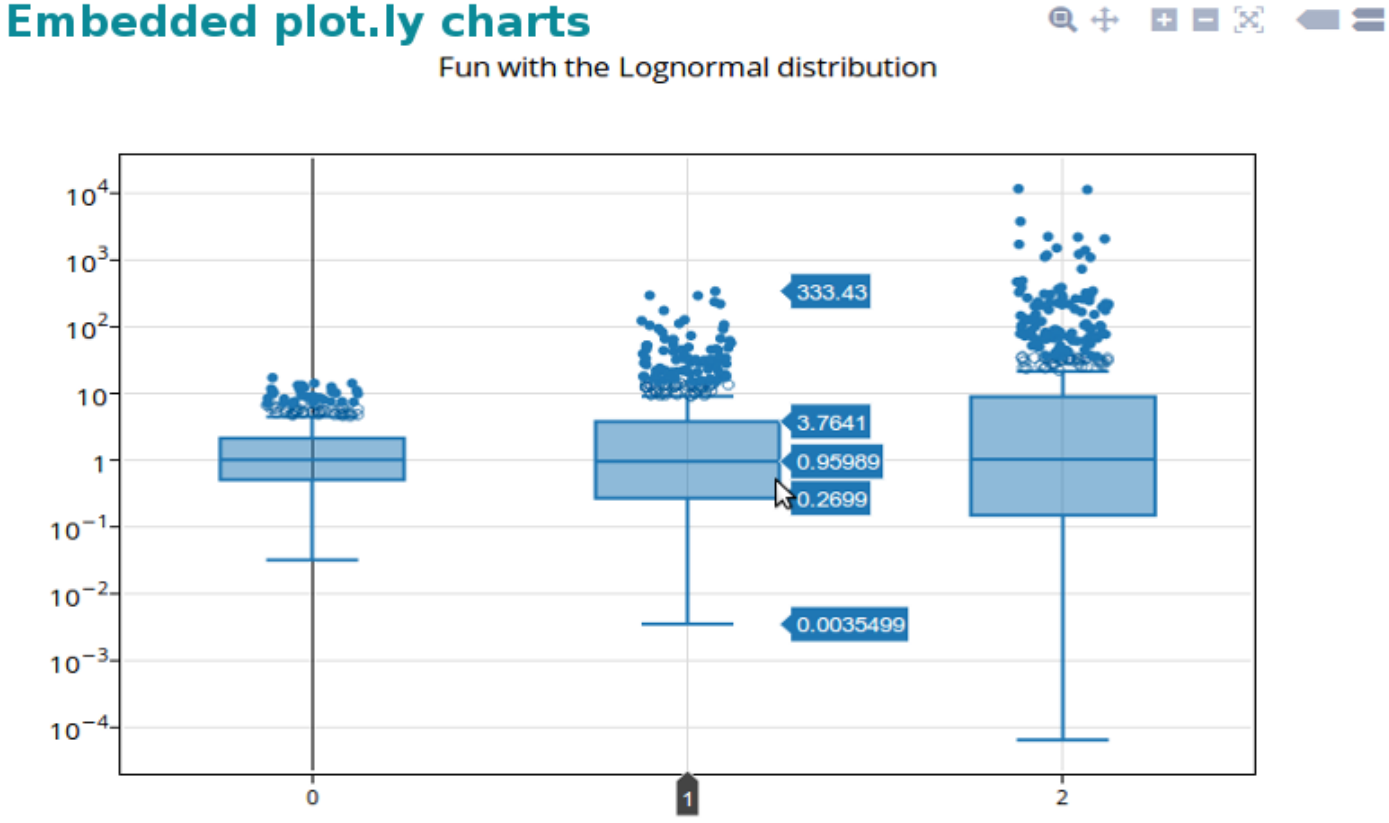
- Introduction
- Examples
- Credits
- License

Custom maps with GoogleVis

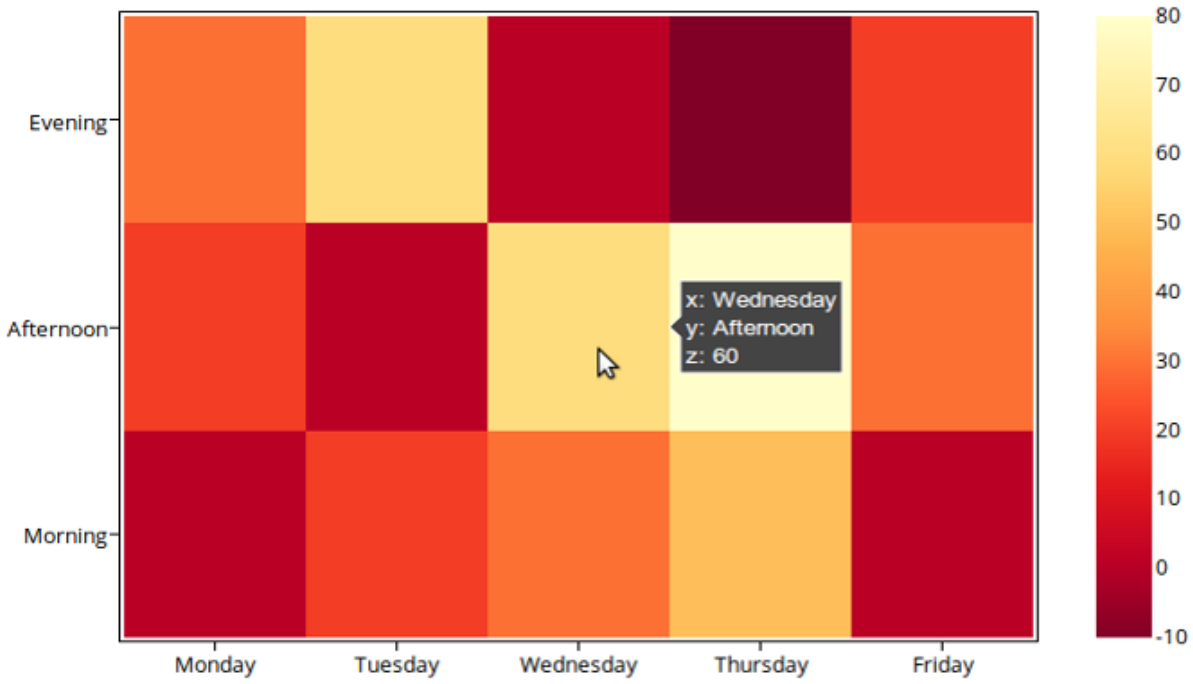
```
10 G5 <- gvisGeoMap(CiudadPopular, locationvar='Ciudad', numvar='Popular',
11               options=list(region='ES', height=350,
12                            dataMode='markers',
13                            colors='[0xFF8747, 0xFFB581, 0xc06000]'))
14
15 # plot(G5)
16 print(G5, "chart")
```



Embedded plot.ly charts



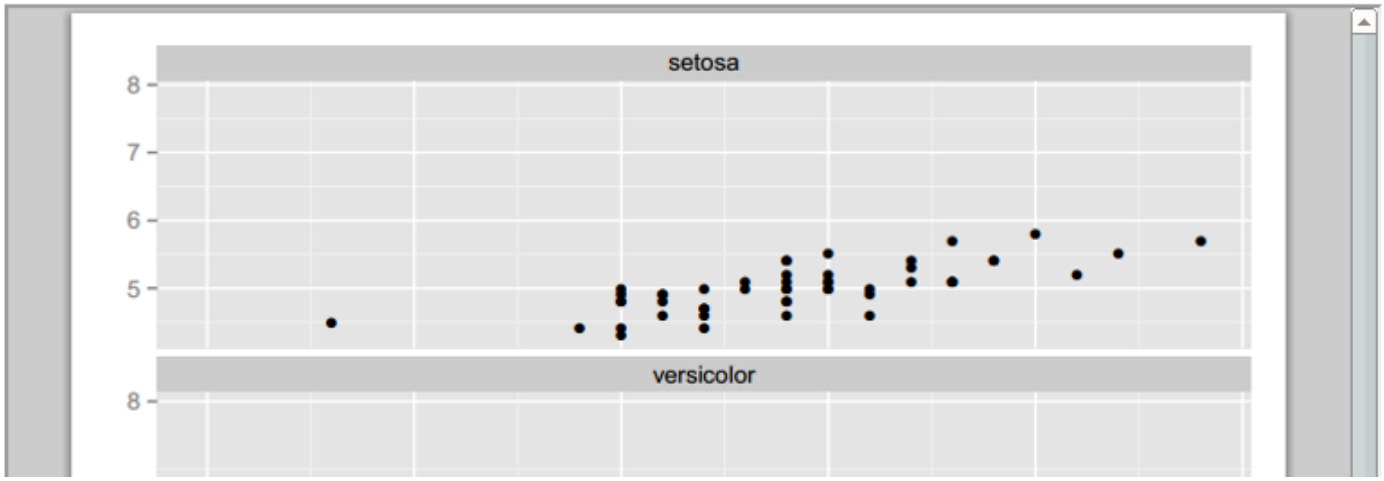
Embedded plot.ly charts: Heatmaps



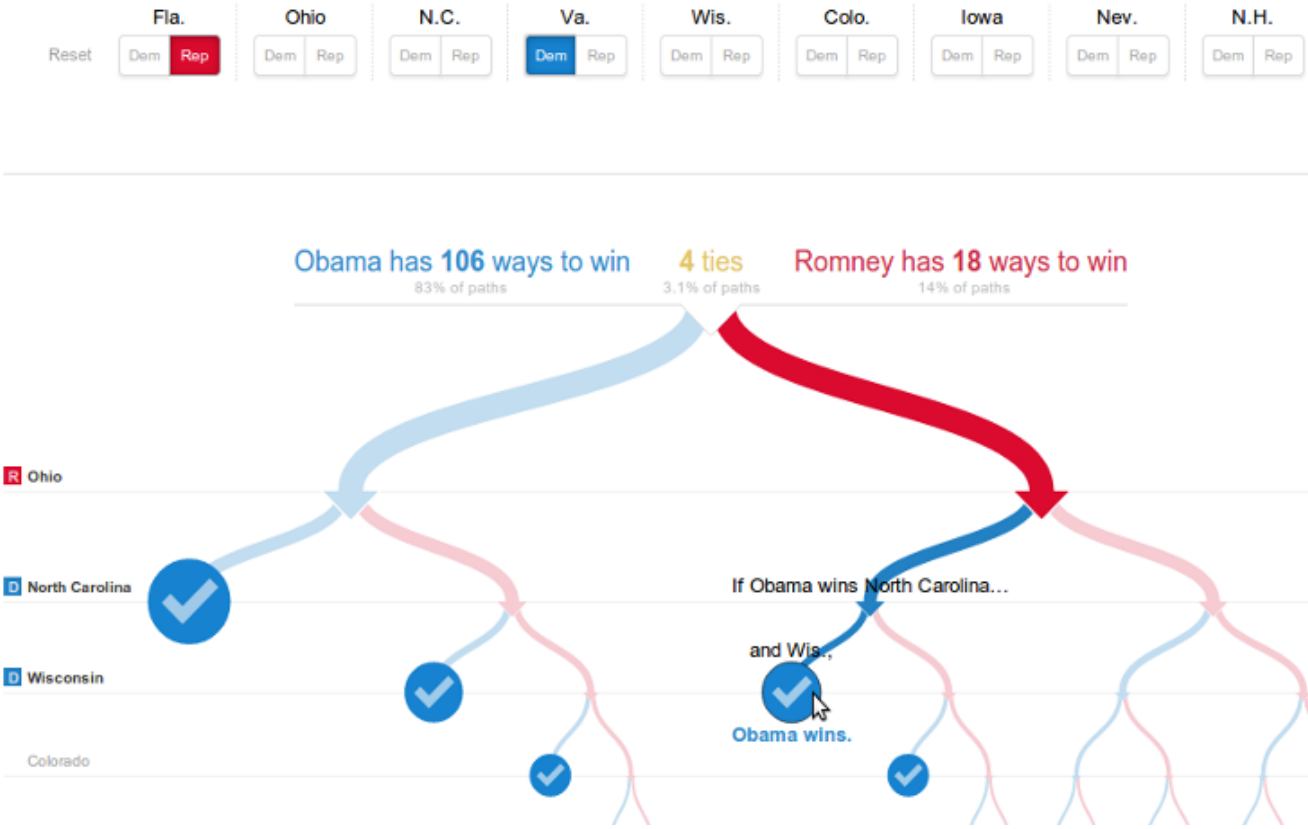
Custom output for higher control on figure results (pdf)

```
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())
```

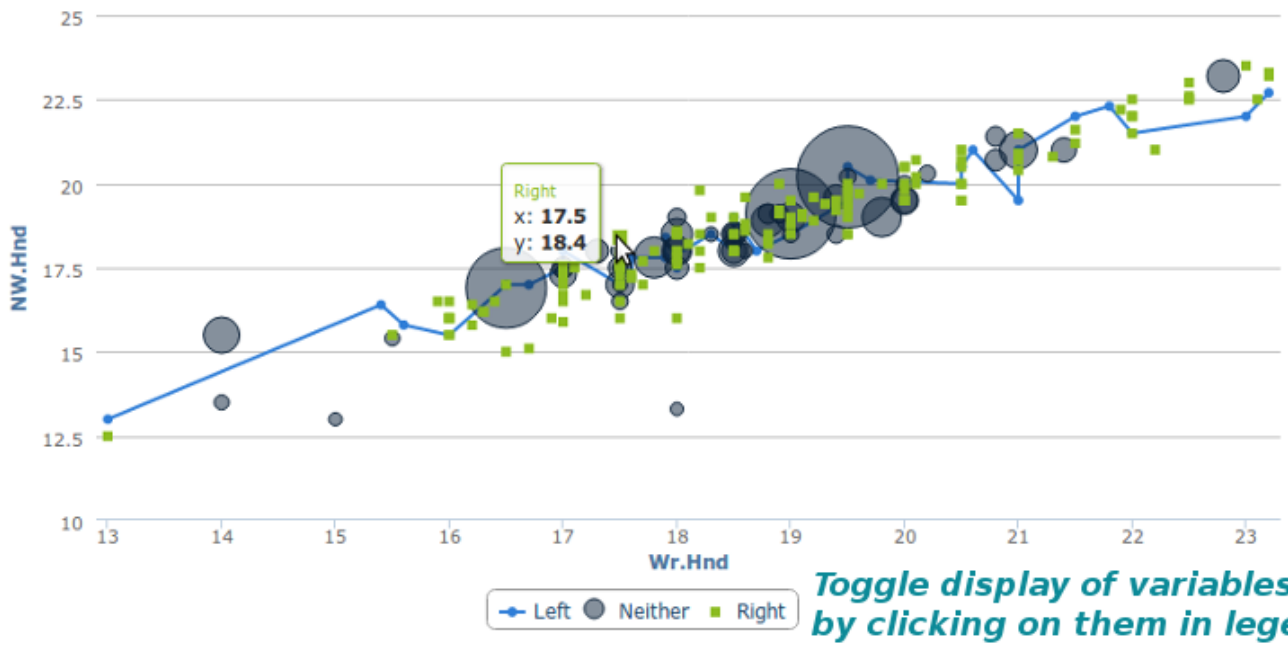
{mediaplayer fullscreen="true" src="temp/cache/r.tiki.org/R_r_test08_customoutput/testr.pdf" width="100%" height="600px" style="normal
wmode="transparent"}



rCharts Interactive figures: NYT 512 Paths to White House



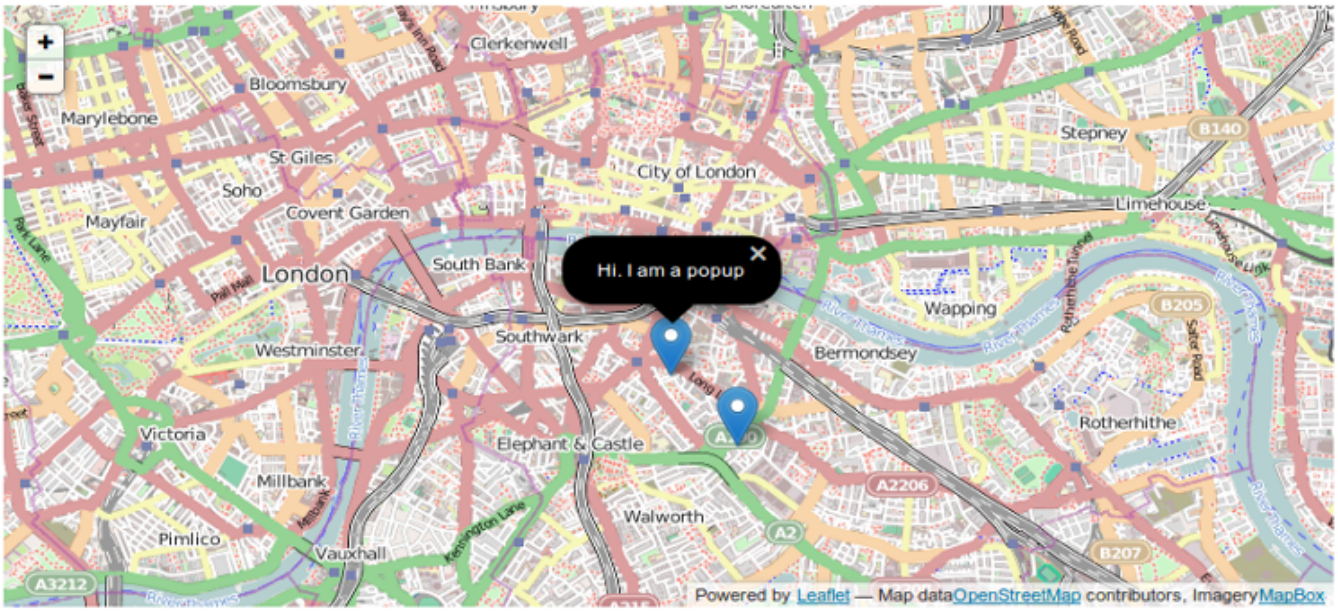
rCharts: show data on hover & control vars. displayed



Toggle display of variables by clicking on them in legend

rCharts: Easy creation of georeferenced custom maps

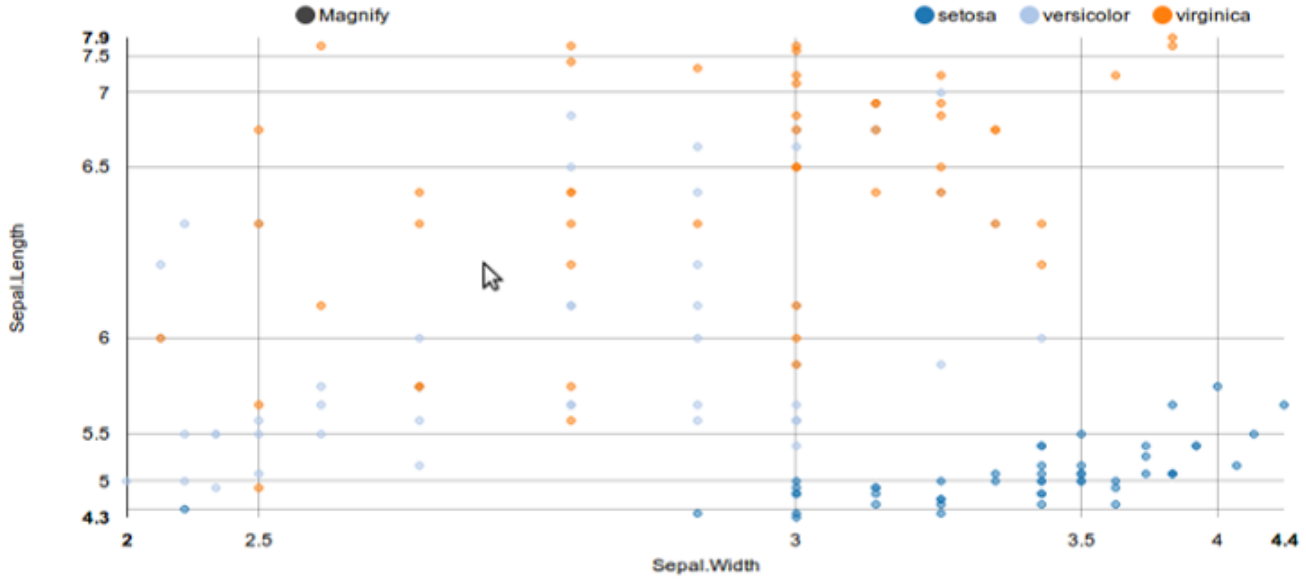
```
map3 <- Leaflet$new()
map3$setView(c(51.505, -0.09), zoom = 13)
map3$marker(c(51.5, -0.09), bindPopup = " Hi. I am a popup ")
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#map3$print("chart7")
map3$LIB[2] <- "http://r.tiki.org/rcharts_libraries/leaflet"
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```



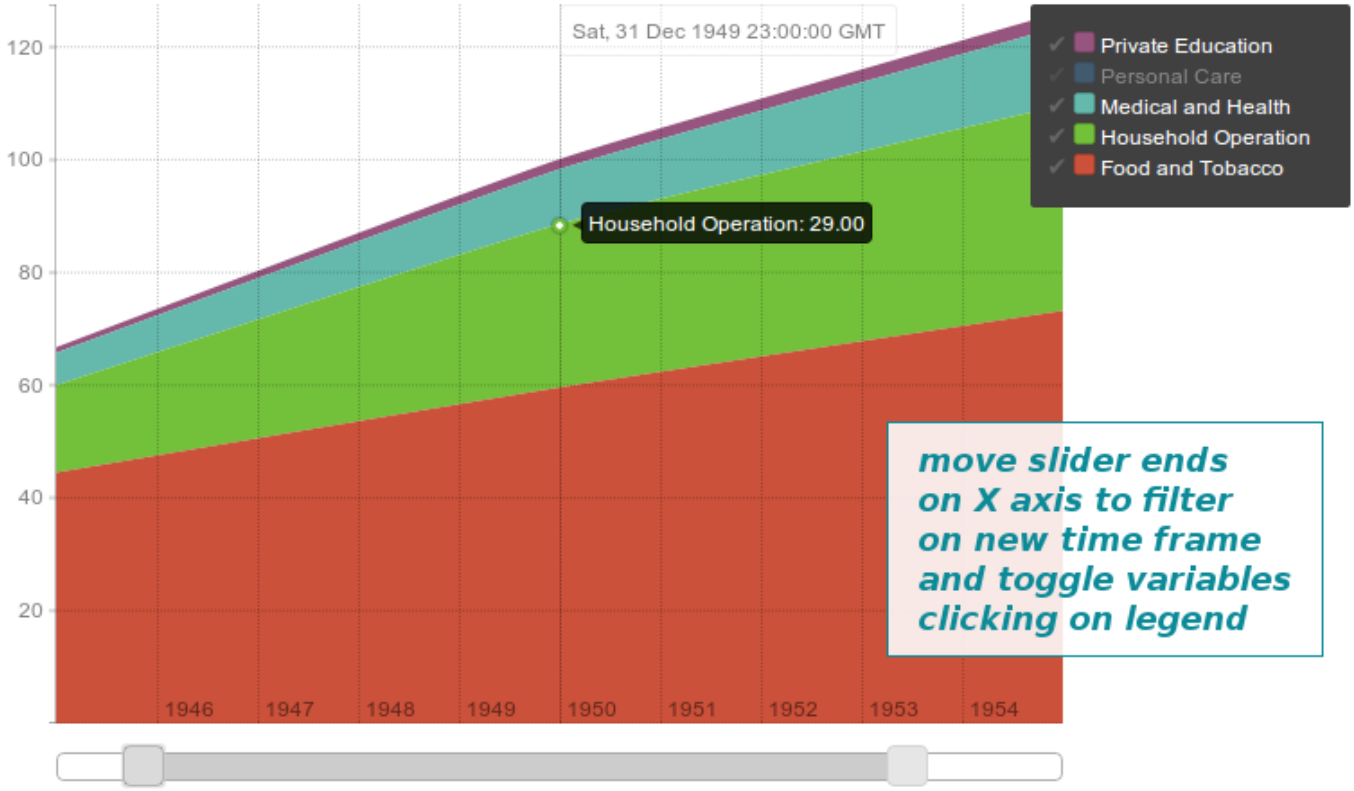
rCharts: Interactive magnification of figure regions

```
n2 <- nPlot(Sepal.Length ~ Sepal.Width, data = sepal, type = "scatterChart",
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n2$xAxis(axisLabel = "Sepal.Width")  # add x axis label
n2$yAxis(axisLabel = "Sepal.Length")
#n2$print("nvd3Scatter")

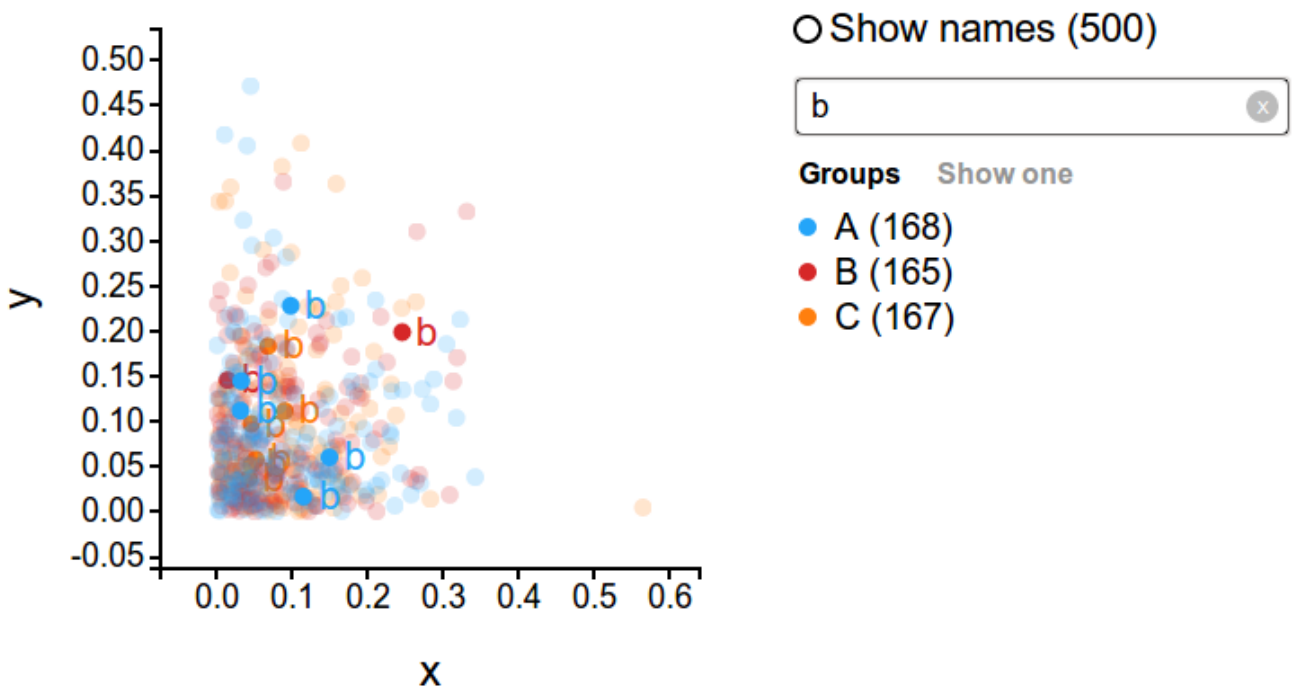
n2$LIB[2] <- "http://r.tiki.org/rcharts_libraries/nvd3"
n2$save("n2.html")
```



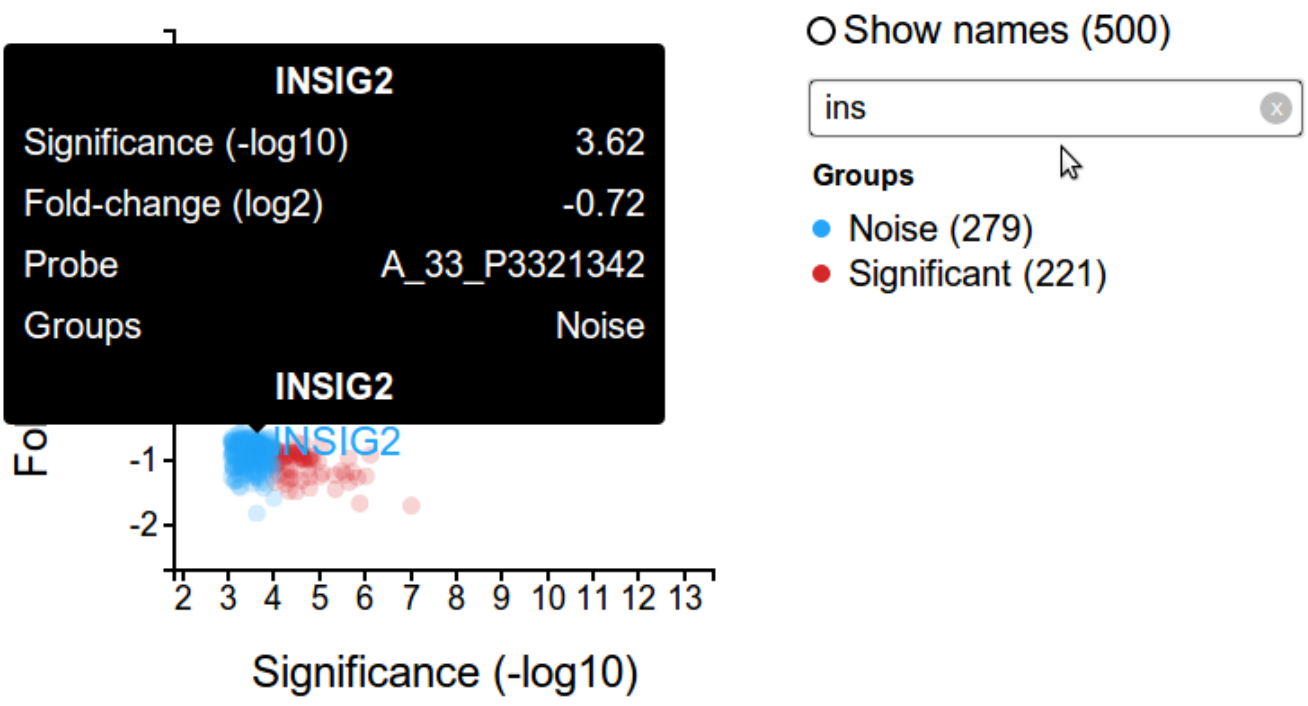
rCharts: Select time range on X and vars on Y



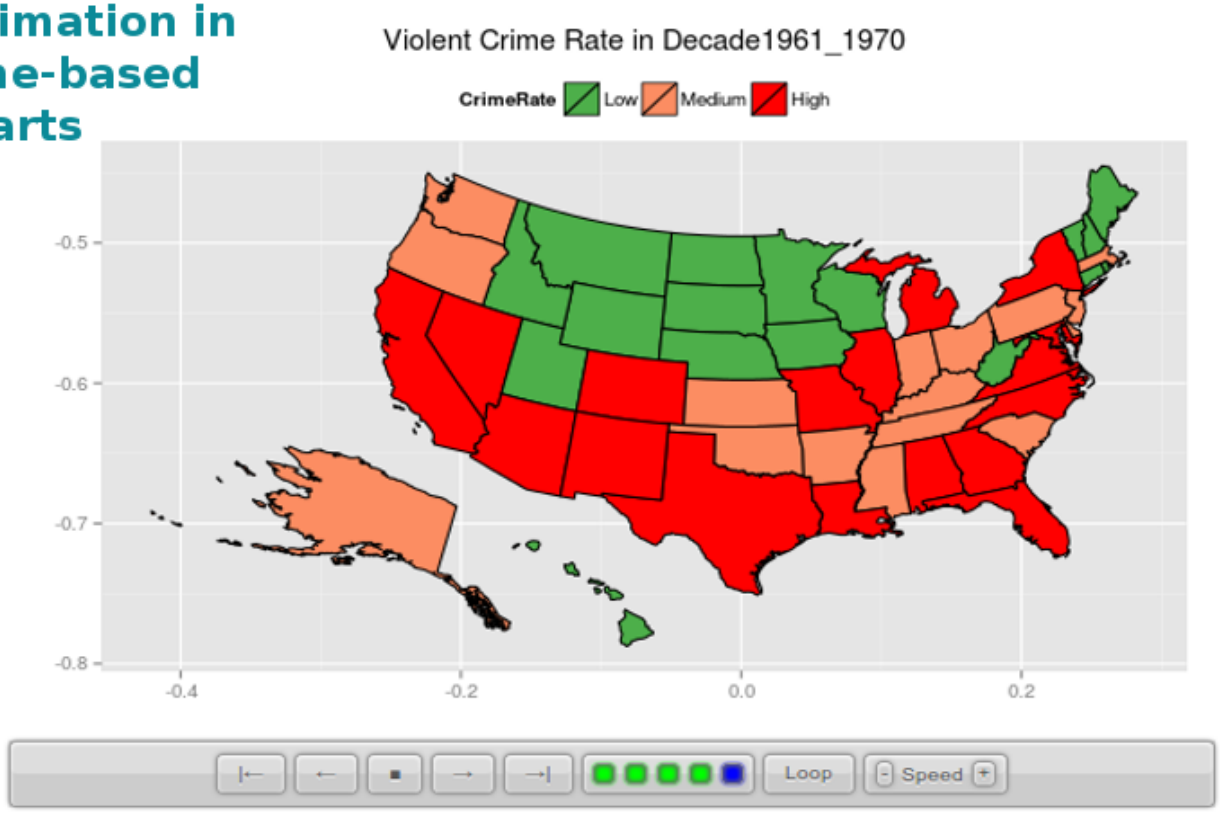
Clickme: Interactive filtering charts by point names



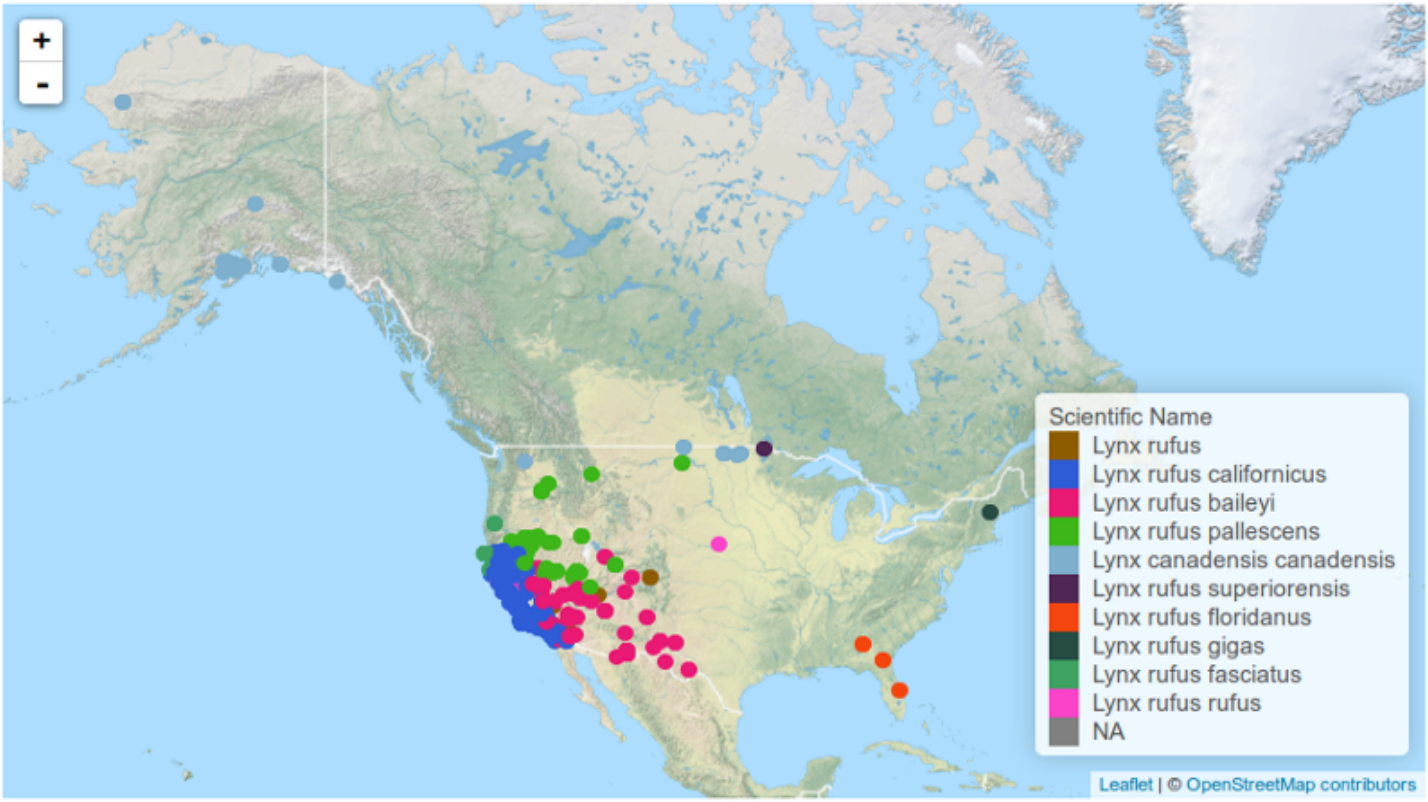
Clickme: highlight data points with partial filter match



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
	Bill Stagnaro	Big Sur, Monterey County		2010-11-01
	Bill Stagnaro	Big Sur, Monterey County		2010-11-01

Simple syntax highlighted & preview

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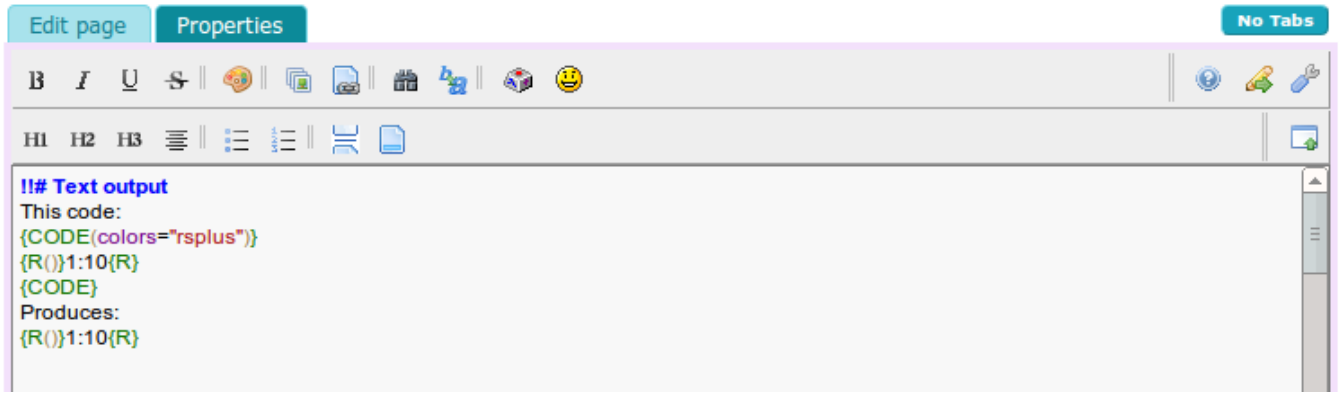
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```
__hello__
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hello

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

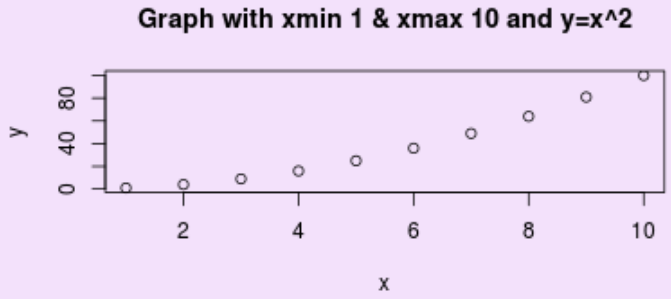
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Values for X:
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Those are the results:

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Edit page | Properties | No Tabs

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Describe the change you made:

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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	☑	☑	☑	☑	☑	✖
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☐	3	From user	User Selector	☑	☐	☑	☑	☐	✖
☐	4	Dataset file	Attachment	☑	☐	☑	☑	☐	✖
☐	5	Minimum value for axis X	Text Field	☑	☐	☑	☑	☐	✖
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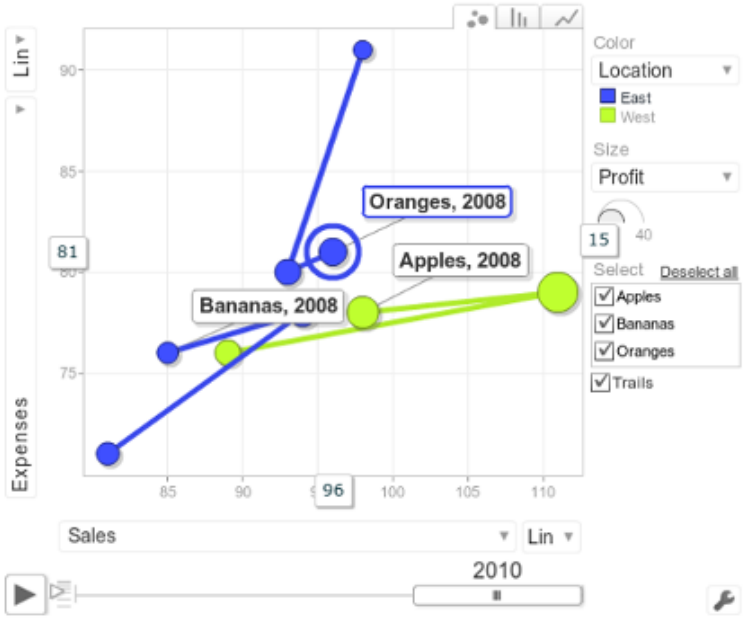
Save All | Go

Add Field

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Optional pop up helpers to edit plugin calls based on GUI

1. Basic ima

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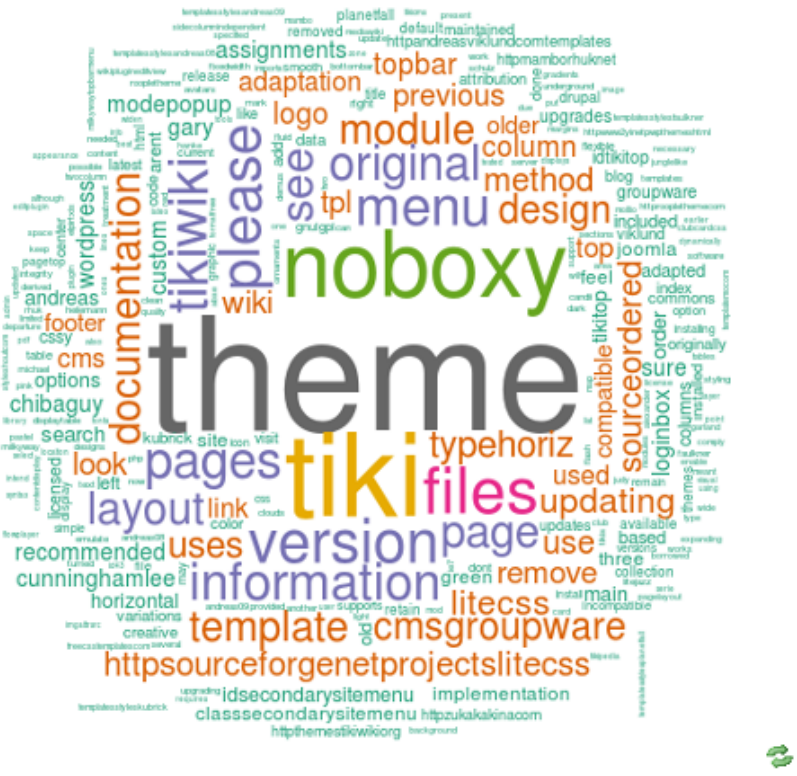
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Nice word clouds from just a few lines of R code



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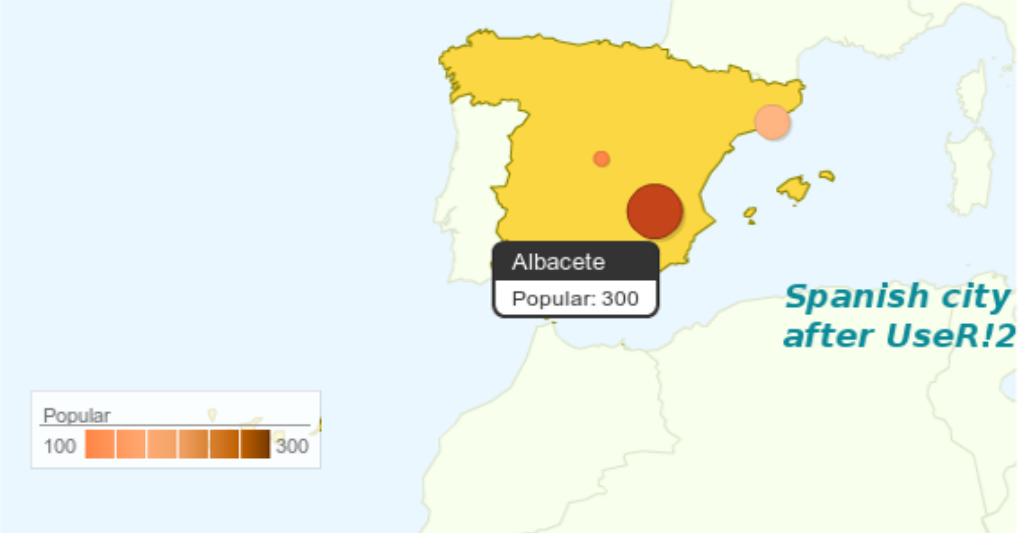
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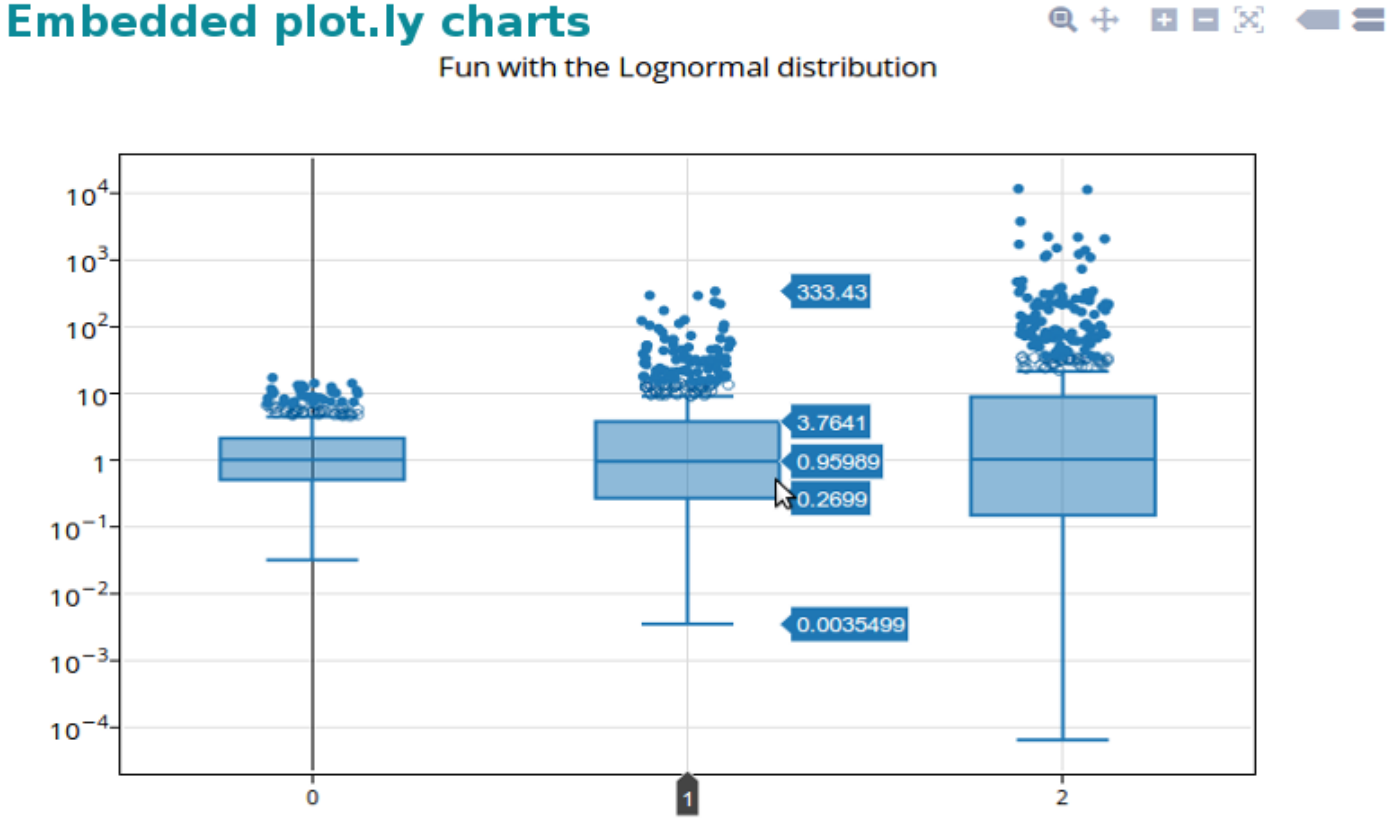
- Introduction
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Custom maps with GoogleVis

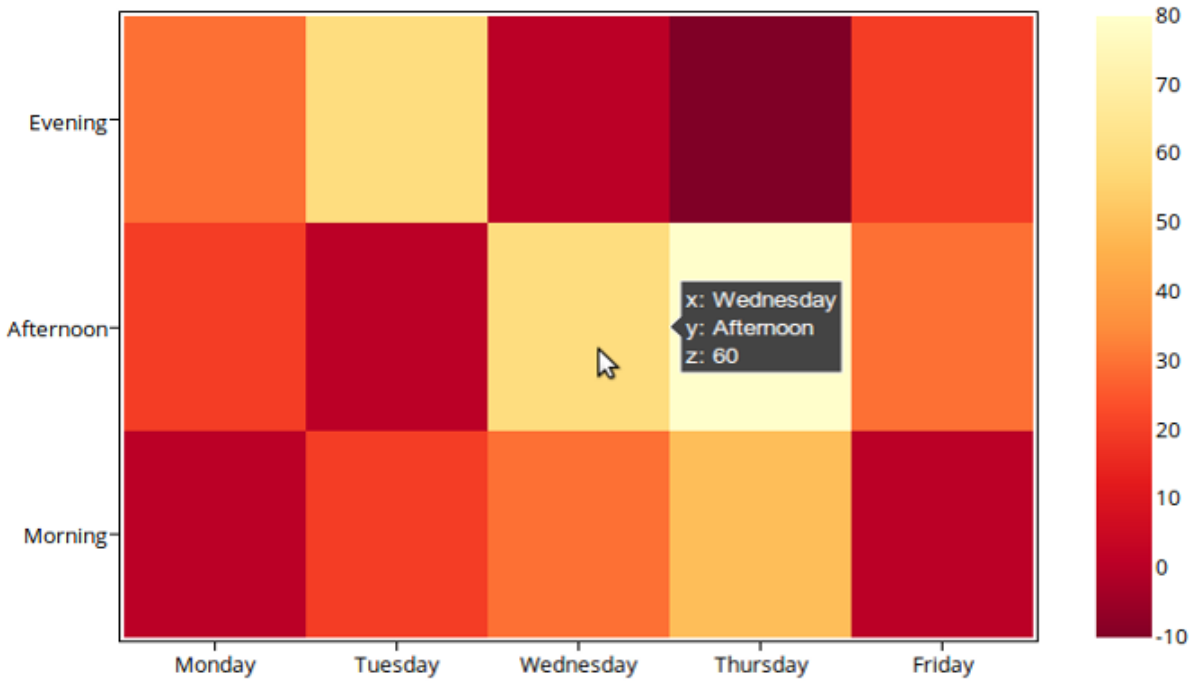
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Embedded plot.ly charts



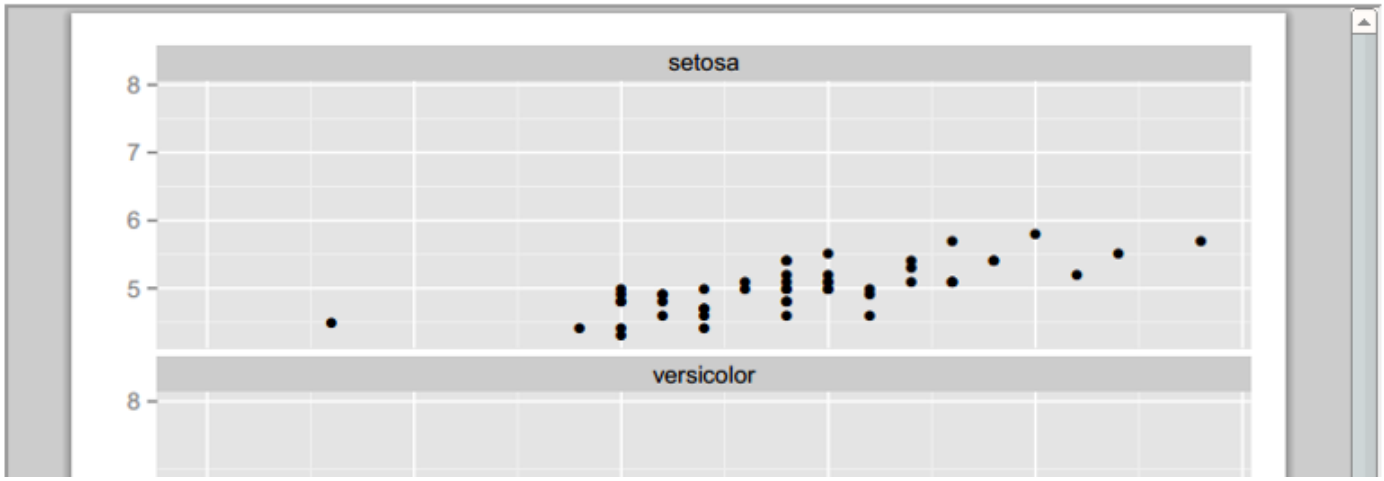
Embedded plot.ly charts: Heatmaps



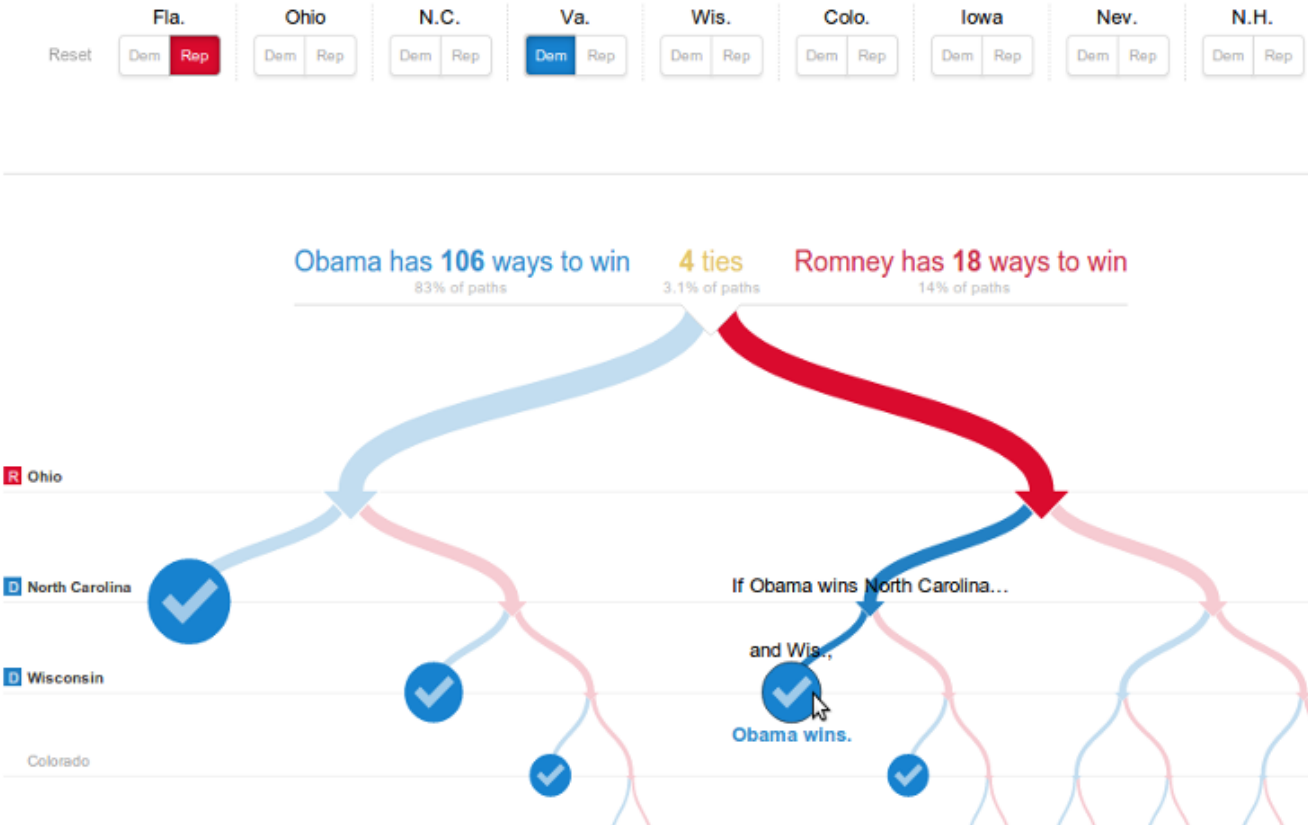
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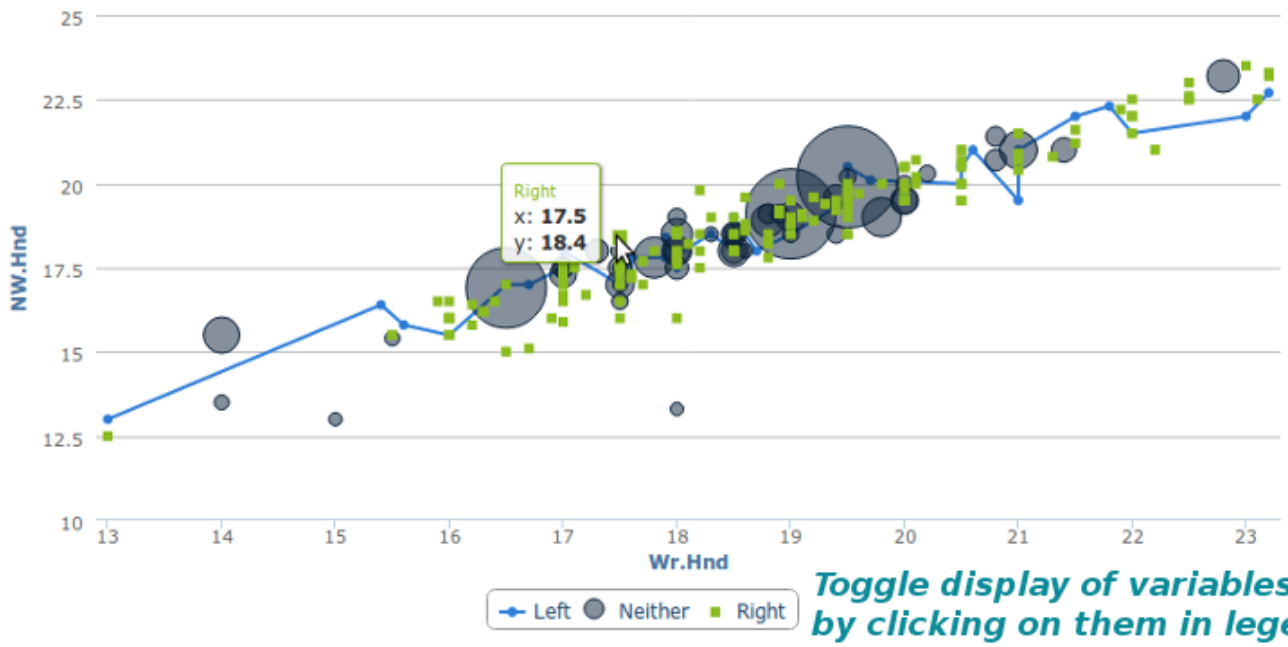
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rCharts Interactive figures: NYT 512 Paths to White House



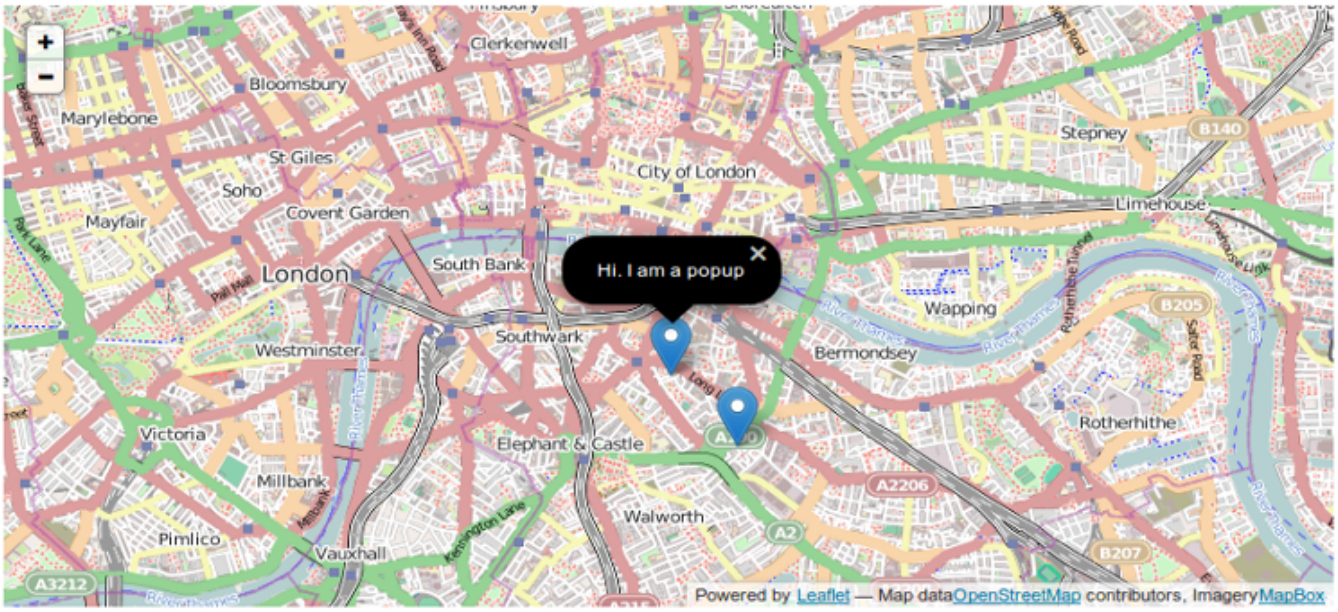
rCharts: show data on hover & control vars. displayed



Toggle display of variables by clicking on them in legend

rCharts: Easy creation of georeferenced custom maps

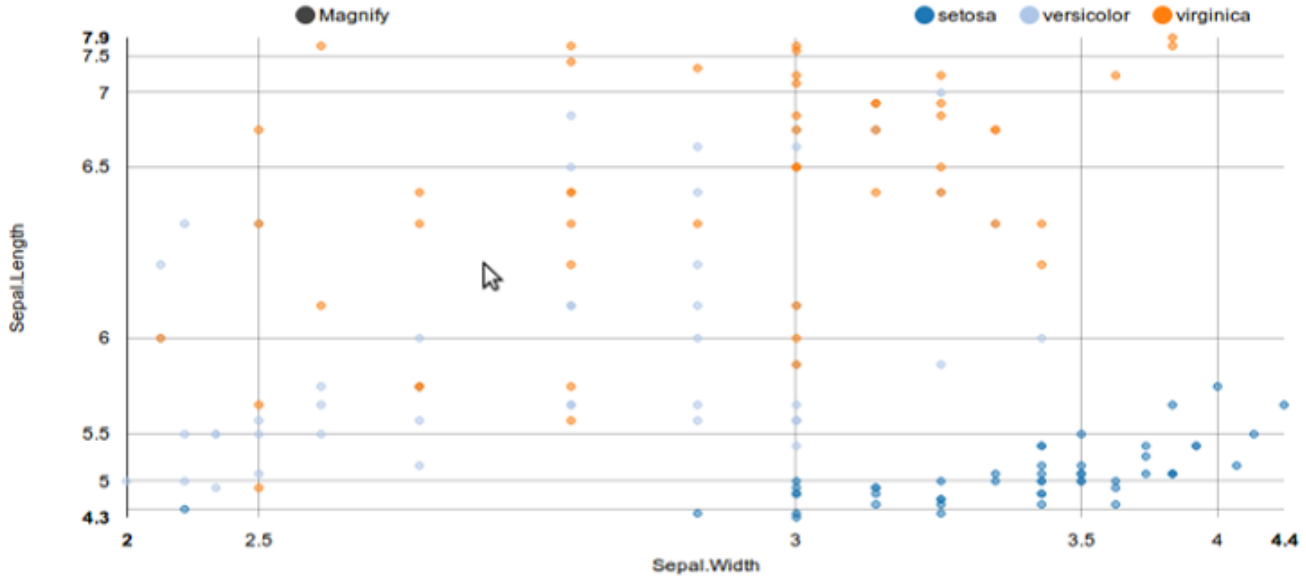
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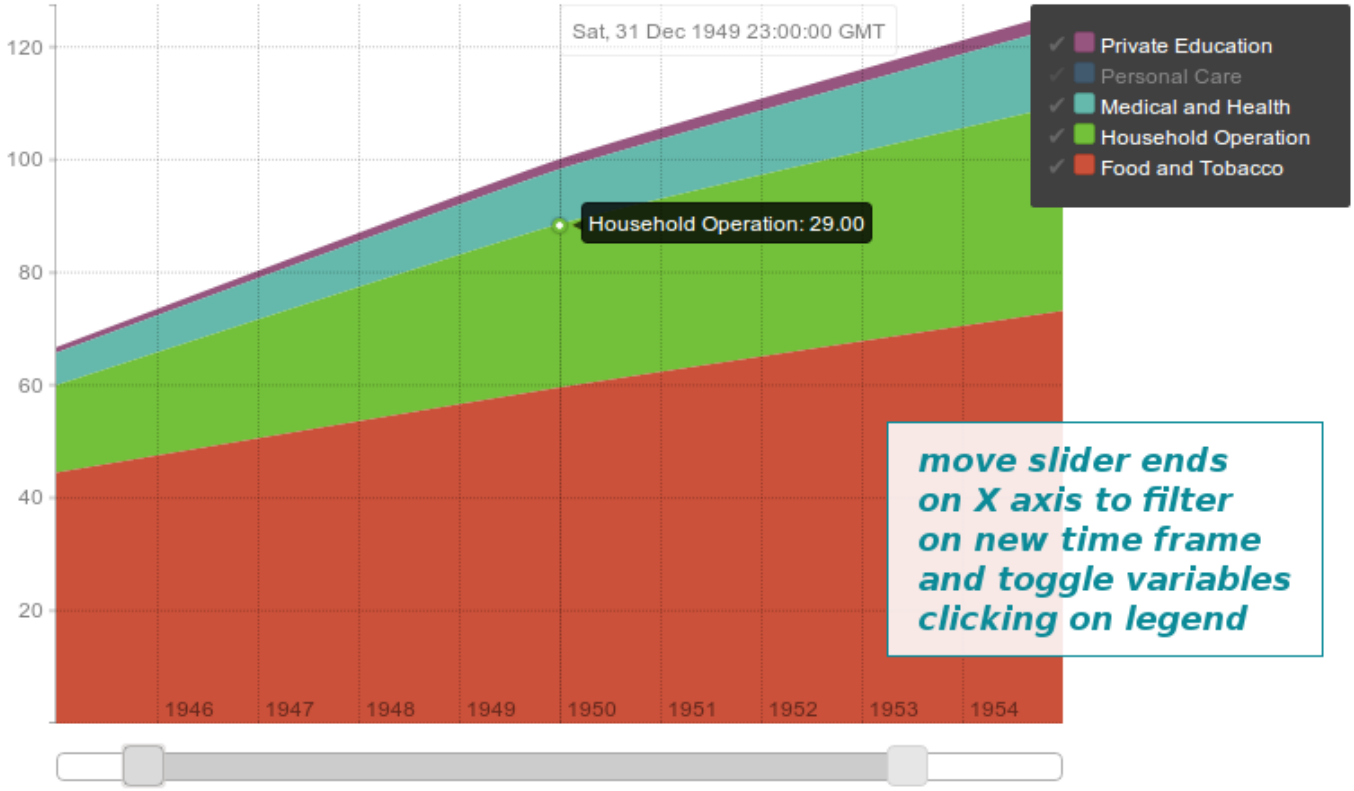
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```
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#n2$print("nvd3Scatter")

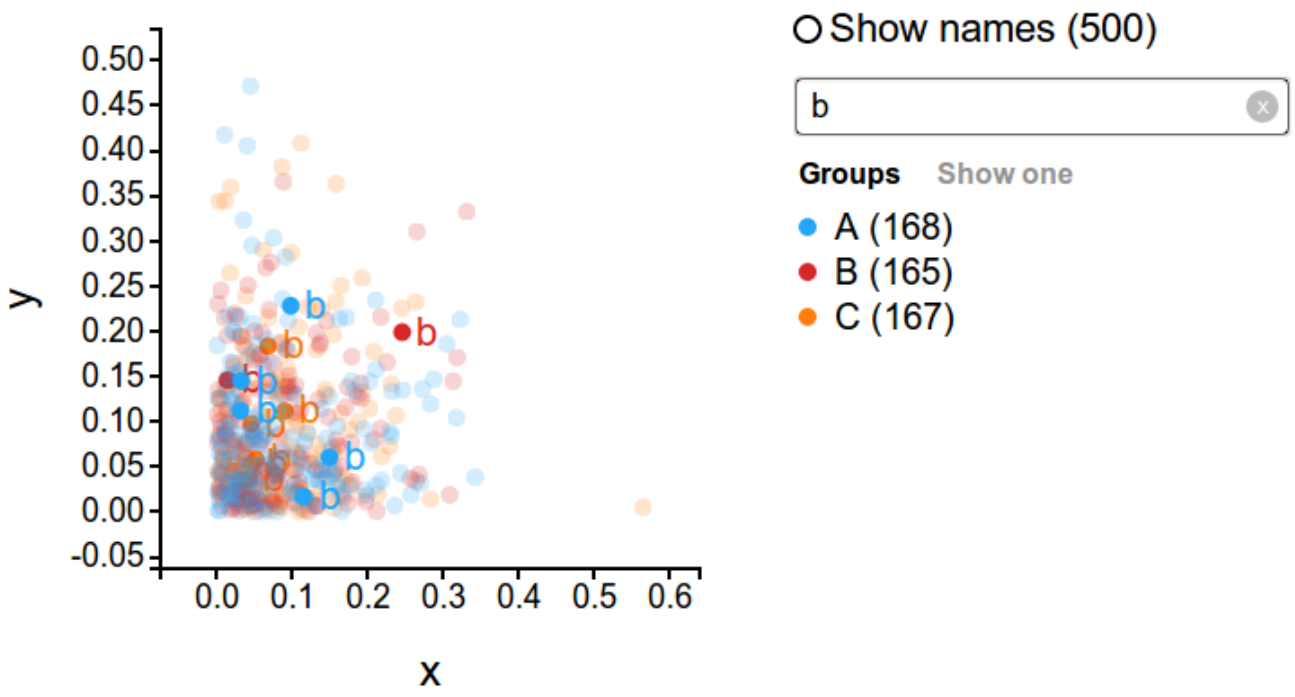
n2$LIB[2] <- "http://r.tiki.org/rcharts_libraries/nvd3"
n2$save("n2.html")
```



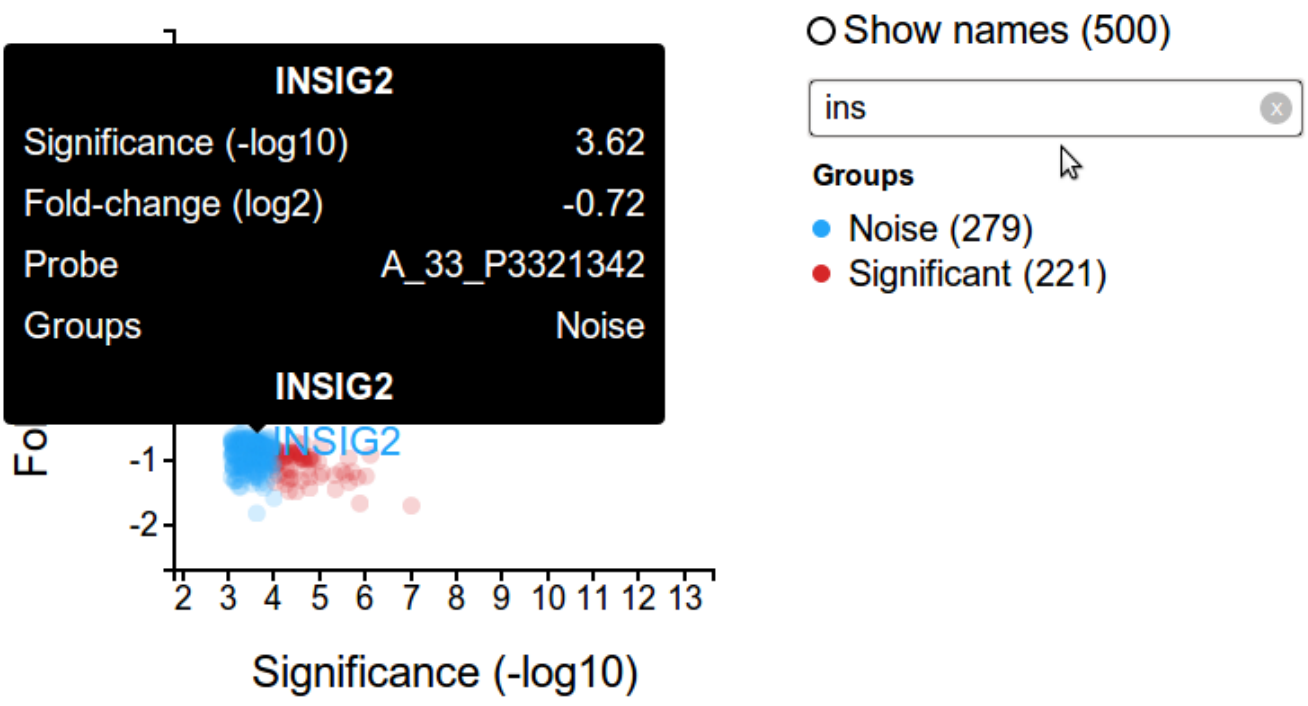
rCharts: Select time range on X and vars on Y



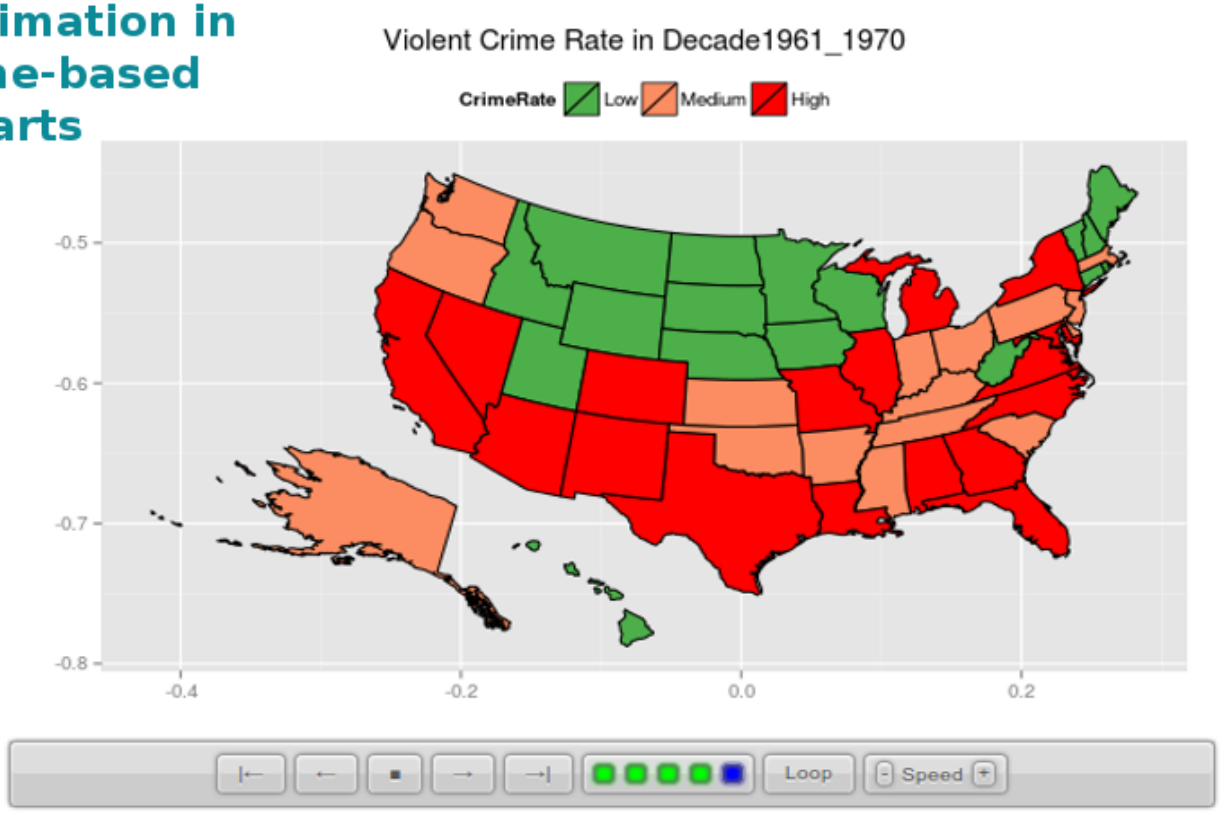
Clickme: Interactive filtering charts by point names



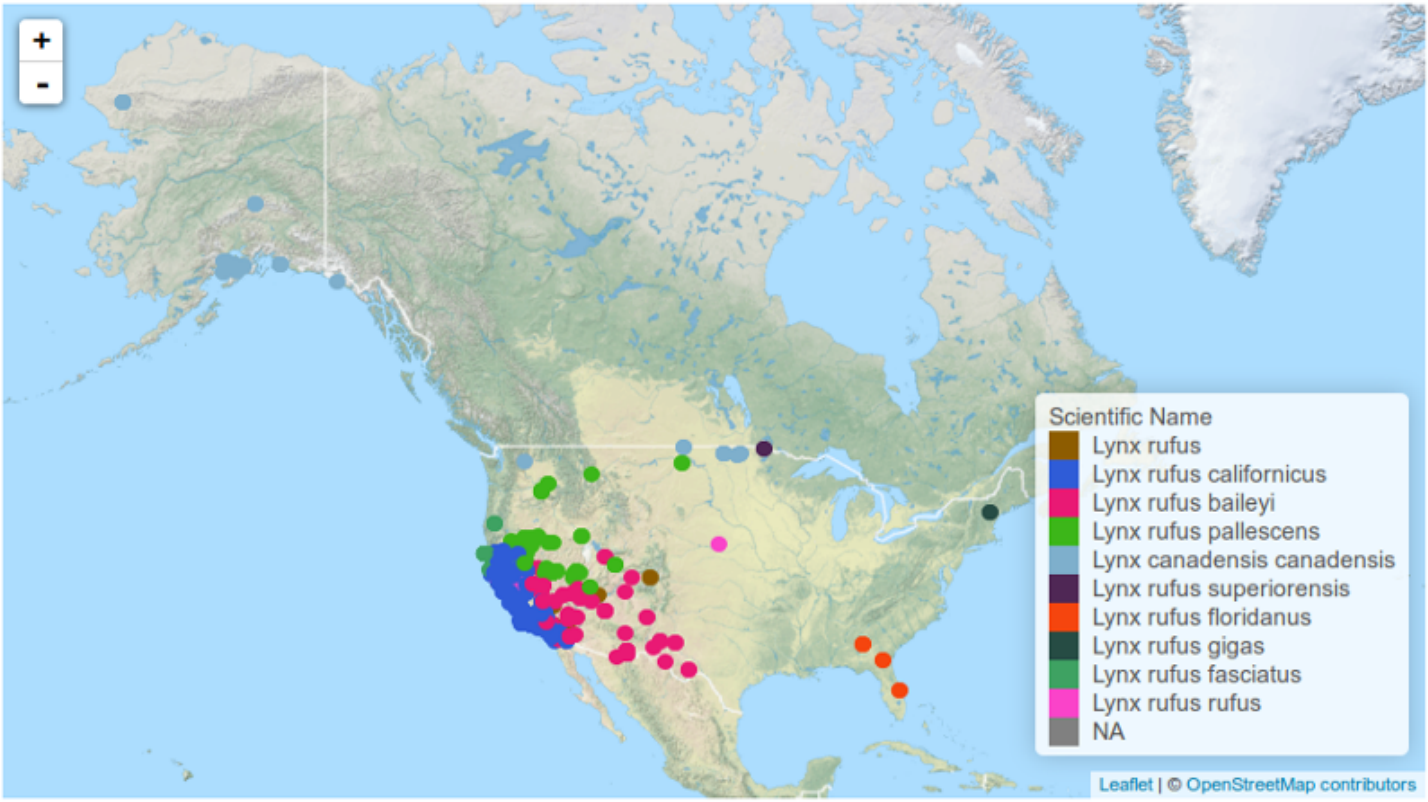
Clickme: highlight data points with partial filter match



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
	Bill Stagnaro	Big Sur, Monterey County		2010-11-01
	Bill Stagnaro	Big Sur, Monterey County		2010-11-01