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Sample wiki page with R code and chart generated

```r
require(gvisVis)
M <- gvisMotionChart(Fruits, "Fruit", "Year", options = list(width = 550, height = 450))
print(M, "chart")
```

Simple syntax highlighted & preview

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

1. Text output

This code:

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

Produces:

```r
[1] 1 2 3 4 5 6 7 8 9 10
```
Escaping Wiki syntax

```r
[[R:wikisyntax=>0]]cat("__hello__")[[R]]
```

__hello__

Parsing Wiki Syntax

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

```r
hello
```

Simple Interface: list runs/datasets

```
<table>
<thead>
<tr>
<th>Summary</th>
<th>Description</th>
<th>From user</th>
<th>Dataset file</th>
<th>Minimum value for axis X</th>
<th>Maximum value for axis X</th>
<th>LastModif</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample dataset</td>
<td>This dataset was created as part of the sample data for r_test.</td>
<td>admin</td>
<td>1</td>
<td>10</td>
<td>10</td>
<td>2013-08-30 17:37</td>
</tr>
<tr>
<td>We are working on this dataset</td>
<td>This will soon be changed</td>
<td>admin</td>
<td>21</td>
<td>30</td>
<td></td>
<td>2012-05-11 16:57</td>
</tr>
<tr>
<td>A really old dataset</td>
<td>This dataset is outdated.</td>
<td>admin</td>
<td>100</td>
<td>110</td>
<td></td>
<td>2012-05-11 16:57</td>
</tr>
</tbody>
</table>
```

No Tabs
Simple interface: Results for one run/dataset

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

Simple templates for custom output
Flexible databases in Trackers to hold run parameters

Optional pop up helpers to edit plugin calls based on GUI

1. Basic image

```
if(require(Cairo)){
  install.packages("Cairo", repos="http://ftp.heanet.ie/ mirrors/cran.r-project.org")
}
```
Nice word clouds from just a few lines of R code

Custom maps with GoogleVis

```r
G5 <- gvisGeoMap(CiudadPopular, locationvar="Ciudad", numvar="Popular", options=list(region="ES", height=350),
dataMode="markers", colors=[0xFF8747, 0xFFB51, 0x060000])

# plot(G5)
print(G5, "chart")
```

**Spanish city popularity after UseR!2013 ;-)**
Embedded plot.ly charts

Fun with the Lognormal distribution

Embedded plot.ly charts: Heatmaps
Custom output for higher control on figure results (pdf)

```r
10 device.height = convertHeight(sum(g$lheights$)), *in*, valueOnly=TRUE)
11 pdf("testr.pdf", height = device.height)
12 grid.draw(g)
13 invisible(dev.off())
```

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/](http://rcharts.io/)

Below you will find a series of examples of nice charts using *rcharts* [http://rcharts.io](http://rcharts.io) and the corresponding javascript library used in each case.

Page contents:

- Introduction
- Examples
- Credits
- License
rCharts Interactive figures: NYT 512 Paths to White House

Obama has 106 ways to win (83% of paths)
Romney has 18 ways to win (14% of paths)

If Obama wins North Carolina...
and Wisconsin...
Obama wins.

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

```r
map <- leaflet()
map$addTileLayer(baseLayer)
map$addLayerControl()
map$addTo(wraps)
```

rCharts: Interactive magnification of figure regions

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

Clickme: Interactive filtering charts by point names

move slider ends on X axis to filter on new time frame and toggle variables clicking on legend
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 Decade 1961-1970

CrimeRate: Low, Medium, High

Map of the United States with crime rate visualization.
Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data

<table>
<thead>
<tr>
<th>Photo</th>
<th>Authors</th>
<th>County</th>
<th>Notes</th>
<th>Start Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.jpg" alt="Image" /></td>
<td>Bill Stagnaro</td>
<td>Big Sur, Monterey County</td>
<td></td>
<td>2010-11-01</td>
</tr>
<tr>
<td><img src="image2.jpg" alt="Image" /></td>
<td>Bill Stagnaro</td>
<td>Big Sur, Monterey County</td>
<td></td>
<td>2010-11-01</td>
</tr>
</tbody>
</table>