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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:

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

```
__hello__
```

Parsing Wiki Syntax

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

```
hello
```

Simple Interface: list runs/datasets

![List raw datasets table](image-url)
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

Describe the change you made: ☑️

Monitor this page: ☑️
Flexible databases in Trackers to hold run parameters

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<thead>
<tr>
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<th>Name</th>
<th>Type</th>
<th>List Title Search</th>
<th>Public</th>
<th>Mandatory</th>
<th>Actions</th>
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</tbody>
</table>

Save All  Go
Add Field

Optional pop up helpers to edit plugin calls based on GUI

1. Basic image

RR (R syntax also)

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

R Code

```
x<-seq(1:10)
y<-(x*x)
plot(x,y)
```
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, 0xFFB581, 0xc06000]))

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

Mobile display mode when needed

**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 [Ramanath Vaidyanathan](http://ramanathv.net). 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 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

4 ties
3.1% of paths

Romney has 18 ways to win
14% of paths

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
map3 <- Leaflet$new()
map3$setView(c(51.505, -0.09), zoom = 13)
map3$marker(c(51.5, -0.09), bindPopup = "Hi, I am a popup")
map3$marker(c(51.495, -0.003), bindPopup = "Hi, I am another popup")
map3$print("chart3")
map3$save("map3.html")
```

rCharts: Interactive magnification of figure regions

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

```r
n2$ save("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

- INSIG2
  - Significance (-log10): 3.62
  - Fold-change (log2): -0.72
  - Probe: A_33_P3321342
  - Groups: Noise

Show names (500)

- Noise (279)
- Significant (221)

Animation in time-based charts

Violent Crime Rate in Decade 1961-1970

CrimeType: Low, Medium, High
Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data

<table>
<thead>
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<th>Photo</th>
<th>Authors</th>
<th>County</th>
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