Sample wiki page with R code and chart generated

```r
require(gvis)
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
1:10
``` Produces:

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

```
{{(_:wiki:syntax=>0)|cat("\_\_hello\_\_/\")|}}
```

_hello_

**Parsing Wiki Syntax**

```
{{(_:wiki:syntax=>1)|cat("\_\_hello\_\_/\")|}}
```

hello

**Simple Interface: list runs/datasets**

![List raw datasets](image)

<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>30</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>100</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This dataset is outdated.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>
**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

Optional pop up helpers to edit plugin calls based on GUI

1. Basic image
Nice word clouds from just a few lines of R code

Custom maps with GoogleVis

```R
G5 <- gvisGeoMap(CiudadPopular, location="Ciudad", numvar="Popular",
                 options=list(region="ES", height=350,
                                dataMode="markers",
                                colors=[0xFF8747, 0xFFB581, 0x006000]))

#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)

device.height = convertHeight(sum(g[["heights"]]), "in", valueOnly=TRUE)
pdf("testr.pdf", height = device.height)
grid.draw(g)
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/

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 3.1% of paths
Romney has 18 ways to win 14% of paths

Ohio
North Carolina
Wisconsin

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, -0.099), zoom = 13)
map3$marker(c(51.5, -0.09), bind_popup = "Hi, I am a popup")
map3$marker(c(51.495, -0.063), bind_popup = "Hi, I am another popup")
map3$print("chart())
map3$save("map3.html")
```

rCharts: Interactive magnification of figure regions

```r
n2 <- nPlot(Sepal.Length ~ Sepal.Width, data = sepal, type = "scatterChart",
10 group = "Species")
11 nSxAxis(axisLabel = "Sepal.Width") # add x axis label
12 nSyAxis(axisLabel = "Sepal.Length")
13 n2print("nvd3Scatter")
14 n2$print("nvd3Scatter")
15 n2$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

O Show names (500)

b

Groups Show one

A (168)
B (165)
C (167)
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)

- Groups
  - Noise (279)
  - Significant (221)

Animation in time-based charts

- Violent Crime Rate in Decade 1961-1970
  - Crime Rate: Low, Medium, High

- Map of the United States with color-coded states indicating crime rate levels.
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></td>
<td>Bill</td>
<td>Big Sur, Monterey County</td>
<td></td>
<td>2010-11-01</td>
</tr>
<tr>
<td></td>
<td>Stagnaro</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bill</td>
<td>Big Sur, Monterey County</td>
<td></td>
<td>2010-11-01</td>
</tr>
<tr>
<td></td>
<td>Stagnaro</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>