Table of Contents
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

(R(wikisyntax="\"hello\"\")\{__hello__\})(R)

__hello__

Parsing Wiki Syntax

(R(wikisyntax="\"hello\"\")\{"hello"\})(R)

hello

Simple Interface: list runs/datasets

<table>
<thead>
<tr>
<th>List raw datasets</th>
<th>Results</th>
<th>Edit dataset (if chosen)</th>
<th>Insert new dataset</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>List raw datasets</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Summary</strong></td>
<td><strong>Description</strong></td>
<td><strong>From user</strong></td>
<td><strong>Dataset Minimum value for axis X</strong></td>
</tr>
<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>
</tr>
<tr>
<td>We are working on this dataset</td>
<td>This will soon be changed</td>
<td>admin</td>
<td>21</td>
</tr>
<tr>
<td>A really old dataset</td>
<td>This dataset is outdated.</td>
<td>admin</td>
<td>100</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
Flexible databases in Trackers to hold run parameters

Optional pop up helpers to edit plugin calls based on GUI

1. Basic image

```r
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

```
G5 <- gvisGeoMap(CiudadPopular, locationvar="Ciudad", numvar="Popular", options=list(region="ES", height=350, dataMode="markers", colors=[0xFF8747, 0xFFB581, 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
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. See more here: [http://rcharts.io/](http://rcharts.io/)

Below you will find a series of examples of nice charts using `rcharts` and the corresponding javascript library used in each case.

Page contents:

- Introduction
- Examples
- Credits
- License
Obama has 106 ways to win (83% of paths) and 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, -0.083), 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$xAxis(axisLabel = "Sepal.Width") # add x axis label
n2$yAxis(axisLabel = "Sepal.Length")
#n2$print("nvd3Scatter")
n2$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

Show names (500)

Groups

Show one

- A (168)
- B (165)
- C (167)
Click me: 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
CrimeRate Low Medium High

United States Map

Button controls
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,</td>
<td></td>
<td>2010-11-01</td>
</tr>
<tr>
<td></td>
<td>Stagnaro</td>
<td>Monterey County</td>
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