Sample wiki page with R code and chart generated

```
R Code
1. require(gvisVis)
2. M <- gvisMotionChart(Fruits, "Fruit", "Year", options = list(width = 550,
3. height = 450))
4. 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(R)
```

Produces:

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

```
| (R(wikisyntax=-1))cat("\_hello\_") |
```

 Miyamoto: 

```
\_hello\_
```

**Parsing Wiki Syntax**

```
| (R(wikisyntax=-1))cat("\_hello\_") |
```

 Miyamoto: 

```
hello
```

**Simple Interface: list runs/datasets**

![Image of a table listing datasets with columns for Summary, Description, From user, Dataset file, Minimum value for axis X, Maximum value for axis X, and LastModified dates.](image)
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: 

Preview  Save  Cancel Edit
Flexible databases in Trackers to hold run parameters

Optional pop up helpers to edit plugin calls based on GUI

1. Basic image

R Code

```r
x <- seq(1:10)
y <- x^x
plot(x,y)
```

RR (R syntax also)

- **echo**
  - Yes
  - Show a code block with the R commands to be run before running them (similar to the `echo` command)

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

- **LoadAndSave**
  - Yes
  - Load a previous R user session (.RData, if any) for the same wiki page so that R object will be used while you trackers are used (wiki pages with .Rdata), the R session data (.RData) will be shared for the same linked actors
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, 0xFFB531, 0x06000F]))
# 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

**bigger font size and buttons for human fingers in mobile devices**

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**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 [Ramanth Valiyathan](http://ramanthy.com). 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

4 ties
3.1% 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, -0.063), bindPopup = "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",
group = "Species")
n2$xAxis(axisLabel = "Sepal.Width") # add x axis label
n2$yAxis(axisLabel = "Sepal.Length")
#n2$print("nvd3Scatter")
#n2$print("nvd3Scatter")
n2$save("n2.html")
```

![Map with a popup](image1.png)

![Scatter plot with magnification](image2.png)
rCharts: Select time range on X and vars on Y

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

Clickme: Interactive filtering charts by point names
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
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>
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<td>Bill</td>
<td>Big Sur, Monterey County</td>
<td>2010-11-01</td>
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<tr>
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