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:

```
1:10
```

Produces:

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

```
\_\_hello___
```

Parsing Wiki Syntax

```
{\{R(wikisyntax=0)\}\}}{\{__hello__\}\}}{\{R\}}
```

```
\_\_hello___
```

Simple Interface: list runs/datasets

![List raw datasets table](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

```R
R Code
1 if(require(Cairo)){
2 install.packages()
3 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, 0x0c0600]))

# 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 Valiyananthan](http://rcharts.io/). 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](#)
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, -0.083), 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$ LIB[2] <- "http://r.tiki.org/rcharts_libraries/nvd3"
n2$save("n2.html")
```
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

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

**Animation in time-based charts**

- Violent Crime Rate in Decade 1961-1970:
  - CrimeRate: Low, Medium, High
Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data