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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]]'
```

```
___hello___
```

Parsing Wiki Syntax

```r
{{wikisyntax}}'
```

```
hello
```

Simple Interface: list runs/datasets

![List raw datasets table](image)

- Sample dataset: This dataset was created as part of the sample data for r_test.
  - From user: admin
  - Minimum value for axis X: 1
  - Maximum value for axis X: 10
  - Last Modified: 2013-08-30 17:37

- We are working on this dataset: This will soon be changed
  - From user: admin
  - Minimum value for axis X: 21
  - Maximum value for axis X: 30
  - Last Modified: 2012-05-11 16:57

- A really old dataset: This dataset is outdated.
  - From user: admin
  - Minimum value for axis X: 100
  - Maximum value for axis X: 110
  - Last Modified: 2012-05-11 16:57
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 <- ggvisGeoMap(CiudadPopular, locationvar="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 ;-)
Custom output for higher control on figure results (pdf)

```r
10 device.height = convertHeight(sum(\{"heights"\}), "in", valueOnly=TRUE)
11 pdf("testr.pdf", height = device.height)
12 grid.draw(g)
13 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 Ramanth Valiyathan. 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](#)
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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
5.7% 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$setURL("http://wiki.org/rcharts_libraries/leaflet")
map3$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$LIB(2) <- "http://wiki.org/rcharts_libraries/nvd3"
n2$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

O Show names (500)

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

CrimeRate
- Low
- Medium
- High

[Map of the United States with crime rate visualization]
Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data