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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(R)
```

Produces:

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

```r
[[[wikisyntax]]]
```

```r
[[[wikisyntax]]]
```

Parsing Wiki Syntax

```
```r
[[[wikisyntax]]]
```

```r
[[[wikisyntax]]]
```

Simple Interface: list runs/datasets

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```
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

```r
G5 <- gvvisGeoMap(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
Custom output for higher control on figure results (pdf)

```r
device.height = convertHeight(sum([["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 Ramanth Valiyananthan. 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 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
4 ties
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, -0.063), bindPopup = "Hi, I am another popup ")
map3$setView(c(51.485, -0.063), zoom = 14)
```

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")
```
Clickme: Interactive filtering charts by point names

- Click on a point to select or deselect it.
- Use the groups menu to show or hide groups.
- Type in the show names field to filter by point names.

Move slider ends on X axis to filter on new time frame and toggle variables clicking on legend.
Clickme: highlight data points with partial filter match

Animation in time-based charts
Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data