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Sample wiki page with R code and chart generated

```r
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
```

Produces:

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

\[ \text{\texttt{R}(\text{wikisyntax}==0)\texttt{cat}("\_\_hello\_\_\_")}\text{\texttt{R}} \]

__hello__


Parsing Wiki Syntax

\[ \text{\texttt{R}(\text{wikisyntax}==1)\texttt{cat}("\_\_hello\_\_\_")}\text{\texttt{R}} \]

**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
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/")
}
```

```R
x <- c(1:10)
y <- x*x
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, 0xFFFF81, 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
Custom output for higher control on figure results (pdf)

```r
device.height = convertHeight(sum(g[["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 [Ramanath Vaidyanathan](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* [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

If Obama wins North Carolina...
and Wisconsin...
Obama wins.

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

rCharts: Interactive magnification of figure regions
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

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: Green (Low), Medium, High

- Map of the United States with states color-coded based on crime rate.
Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data