Table of Contents
Sample wiki page with R code and chart generated

```
R Code:
1. require(ggvis)
2. M <- ggvisMotionChart(Fruits, c("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

```
(R:\wikisyntax==O)cat("\_hello\_")
```

```
_hello_
```

Parsing Wiki Syntax

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

```
hello
```

Simple Interface: list runs/datasets

```
\begin{tabular}{|l|l|l|l|l|l|}
\hline
Summary & Description & From user & Dataset Minimum value for axis X & Maximum value for axis X & LastModif \\
\hline
Sample dataset & This dataset was created as part of the sample data for r.test. & admin & 1 & 10 & 2013-08-30 17:37 \\
\hline
We are working on this dataset & This will soon be changed & admin & 21 & 30 & 2012-05-11 16:57 \\
\hline
A really old dataset & This dataset is outdated. & admin & 100 & 110 & 2012-05-11 16:57 \\
\hline
\end{tabular}
```

```
\end{tabular}
```

```
\begin{tabular}{|l|l|l|l|l|l|}
\hline
\end{tabular}
```
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

Optimal pop up helpers to edit plugin calls based on GUI

1. Basic images

```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 <- gvisGeoMap(CiudadPopular, locationvar="Ciudad", numvar="Popular", options=list(region="ES", height=350, dataMode="markers", colors=[0xFF8747, 0xFFB558, 0x2090600]))

# 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

x: Wednesday
y: Afternoon
z: 50
Custom output for higher control on figure results (pdf)

```r
10 device.height = convertHeight(sum(g[["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

**rChats**

*rChats* 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 Valiyanathan](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$addLayers('chart7')
map3$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

O Show names (500)

Groups  Show one

- A (168)
- B (165)
- C (167)
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