Table of Contents
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=0}}cat("__hello__")
```

```
__hello__
```

Parsing Wiki Syntax

```r
{{wikisyntax=1}}cat("__hello__")
```

```
hello
```

Simple Interface: list runs/datasets

![List raw datasets](chart.png)
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 items
Nice word clouds from just a few lines of R code

Custom maps with GoogleVis

```r
G5 <- gvieGeoMap(CiudadPopular, locationvar="Ciudad", numvar="Popular",
                  options=list(region="ES", height=350,
                                dataMode="markers",
                                colors=[0xFF8747, 0xFFB581, 0x0c06000]))

# 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 apologized heights), "in", valueOnly=TRUE)
pdf("test.fr.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 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
- 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, -0.063), 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$save("n2.html")
```

```r
#n2$print("nvd3Scatter")
```
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

[Graph showing point names and groups]

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

United States Map with Crime Rate categories Low, Medium, High
Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data