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

```
\_hello\_
```

Parsing Wiki Syntax

```
{{\_wikisyntax\=-1\}}cat("\_hello\_"){{/}}
```

```
hello
```

Simple Interface: list runs/datasets

![List raw datasets](image-url)
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

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Type</th>
<th>List Title</th>
<th>Search Public</th>
<th>Mandatory</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Summary</td>
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<td>✔</td>
<td>✔</td>
<td>✔</td>
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</tr>
<tr>
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<td>Description</td>
<td>Text Area</td>
<td></td>
<td></td>
<td>✔</td>
<td>✗</td>
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<tr>
<td>3</td>
<td>From user</td>
<td>User Selector</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✗</td>
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<td>Attachment</td>
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<td>✔</td>
<td>✔</td>
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<td>✗</td>
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<tr>
<td>6</td>
<td>Maximum value for axis X</td>
<td>Text Field</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✗</td>
</tr>
</tbody>
</table>

Save All ▼ Go

Add Field

Optional pop up helpers to edit plugin calls based on GUI

1. Basic example

RR (R syntax also)

Same as PluginR, but allowing the execution of potentially dangerous commands once the admin has validated

```r
if(require(Cairo)){
  install.packages("Cairo", repos="http://ftp.heanet.ie/mirrors/cran.r-project.org")
}
```

```r
x<-c(1:10)
y <- x^2
plot(x,y)
```
Nice word clouds from just a few lines of R code

Custom maps with GoogleVis

```
G5 <- gvisGeoMap(CiudadPopular, locationvar="Ciudad", numvar="Popular", options=list(region="ES", height=350, dataMode="markers", colors=[0xFF8747, 0xFFB581, 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
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 Valiyavanathan. 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)

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, -0.099), 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$setURL("http://r.tiki.org/rcharts_libraries/leaflet")
map3$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$print("nvd3Scatter")
n2$library("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

- **INSIG2**
  - Significance (-log10): 3.62
  - Fold-change (log2): -0.72
  - Probe: A_33_P3321342
  - Groups: Noise

- **Groups**
  - Noise: 279
  - Significant: 221

Animation in time-based charts

- **Violent Crime Rate in Decade 1961-1970**
  - Crime Rate: Low, Medium, High

- **Map of the United States**
  - States colored according to crime rate
  - Interactive controls for animation

Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data

<table>
<thead>
<tr>
<th>Photo</th>
<th>Authors</th>
<th>County</th>
<th>Notes</th>
<th>Start Date</th>
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</thead>
<tbody>
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<td>Bill</td>
<td>Big Sur,</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Stagnaro</td>
<td>Monterey County</td>
<td></td>
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