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
```
Escaping Wiki syntax

```
{{(R:wikisyntax=-)}}cat("__hello__"){{R}}
```

```
__hello__
```

Parsing Wiki Syntax

```
{{(R:wikisyntax=)}}cat("__hello__"){{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

Change Highlighter

Describe the change you made: 😇

Monitor this page: ☑
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>
<td>Text Field</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
</tr>
<tr>
<td>2</td>
<td>Description</td>
<td>Text Area</td>
<td>✔</td>
<td></td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>3</td>
<td>From user</td>
<td>User Select</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>4</td>
<td>Dataset file</td>
<td>Attachment</td>
<td>✔</td>
<td></td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>5</td>
<td>Minimum value for axis X</td>
<td>Text Field</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
<td>❌</td>
</tr>
<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 input

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

---

**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* 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% 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

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

O Show names (500)

Groups Show one

A (168)
B (165)
C (167)
Click me: highlight data points with partial filter match

○ Show names (500)

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 with crime rate distribution.
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>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.jpg" alt="Photo 1" /></td>
<td>Bill</td>
<td>Big Sur, Monterey County</td>
<td>2010-11-01</td>
<td></td>
</tr>
<tr>
<td><img src="image2.jpg" alt="Photo 2" /></td>
<td>Stagnaro</td>
<td>Monterey County</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image3.jpg" alt="Photo 3" /></td>
<td>Bill</td>
<td>Big Sur, Monterey County</td>
<td>2010-11-01</td>
<td></td>
</tr>
<tr>
<td><img src="image4.jpg" alt="Photo 4" /></td>
<td>Stagnaro</td>
<td>Monterey County</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>