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Sample wiki page with R code and chart generated

R Code:
```r
require(gvis)
M <- gvisMotionChart(Fruits, "Fruit", "Year", options = list(width = 550, height = 450))
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

```markdown
__hello__
```

Parsing Wiki Syntax

```markdown
{{((wikisyntax==0))|cat("__hello__")}}
```

hello

Simple Interface: list runs/datasets

```
<table>
<thead>
<tr>
<th>Summary</th>
<th>Description</th>
<th>From user</th>
<th>Dataset file</th>
<th>Minimum value for axis X</th>
<th>Maximum value for axis X</th>
<th>LastModif</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample dataset</td>
<td>This dataset was created as part of the sample data for r_test.</td>
<td>admin</td>
<td></td>
<td>1</td>
<td>10</td>
<td>2013-08-30</td>
</tr>
<tr>
<td>We are working on this dataset</td>
<td>This will soon be changed</td>
<td>admin</td>
<td></td>
<td>21</td>
<td>30</td>
<td>2012-05-11</td>
</tr>
<tr>
<td>A really old dataset</td>
<td>This dataset is outdated.</td>
<td>admin</td>
<td></td>
<td>100</td>
<td>110</td>
<td>2012-05-11</td>
</tr>
</tbody>
</table>
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

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 Selector</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**
- **Add Field**

---

### 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/")

  x <- seq(1:10)
  y <- x^2

  plot(x,y)
```

---

#### 2. Code

```r
RR (R syntax also)
```

- **echo**
  - Yes

- **wikisyntax**
  -

- **LoadAndSave**
  - Yes

---

- **RR Code**

```r
1 if(require(Cairo)){
  2 install.packages("Cairo", repos="http://ftp.heanet.ie/mirrors/cran.r-project.org/")
  3 }
  4
  5 x <- seq(1:10)
  6 y <- x^2
  7 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, 0xFF8581, 0xc06000])

# 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: 60
**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 Vaidyanathan](http://www.rvandi.net). 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

4 ties
3.1% 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$new()
m3$setView(c(51.505, -0.09), zoom = 13)
m3$marker(c(51.5, -0.09), bindPopup = "Hi, I am a popup")
m3$marker(c(51.495, -0.053), bindPopup = "Hi, I am another popup")
map3$setView(c(51.5, -0.09))
m3$addLayersOrder("map3.html")
```

rCharts: Interactive magnification of figure regions

```r
n2 <- nPlot(Sepal.Length ~ Sepal.Width, data = sepal, type = "scatterChart",
group = "Species")
n3$yAxis(axisLabel = "Sepal.Width") # add x axis label
n3$yAxis(axisLabel = "Sepal.Length")
n2$print("nvd3Scatter")

n2$library("http://r.tiki.org/charts_libraries/nvd3")
n2$save("n2.html")
```
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

Show names (500)

Groups  Show one

A (168)
B (165)
C (167)
Clickme: 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
Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data