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Sample wiki page with R code and chart generated

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 table]

- Sample dataset
  - Description: This dataset was created as part of the sample data for r_test.
  - From user: admin
  - Dataset minimum value: 1
  - Dataset maximum value: 10
  - Last Modified: 2013-08-30 17:37
- We are working on this dataset
  - Description: This will soon be changed
  - From user: admin
  - Dataset minimum value: 21
  - Dataset maximum value: 30
  - Last Modified: 2012-05-11 16:57
- A really old dataset
  - Description: This dataset is outdated.
  - From user: admin
  - Dataset minimum value: 100
  - Dataset maximum value: 110
  - Last Modified: 2012-05-11 16:57
**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 Search</th>
<th>Public 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>
</tr>
<tr>
<td>2</td>
<td>Description</td>
<td>Text Area</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>
</tr>
<tr>
<td>4</td>
<td>Dataset file</td>
<td>Attachment</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>
</tr>
<tr>
<td>6</td>
<td>Maximum value for axis X</td>
<td>Text Field</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

Optional pop up helpers to edit plugin calls based on GUI

1. Basic image

**RR (R syntax also)**

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

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

LoadAndSave

Load a previous R user session (.RData, if any) for the same wiki page so that R object will be used while you trackers are used (wiki pages with libmid), the R session data (.RData) will be shared for the same libmid account.
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, 0xFFB551, 0xe06000]))

# 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

**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 Ramnath Vaidyanathan. 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$setUrl("https://r.tiki.org/rcharts_libraries/leaflet")
map3$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$print("nvd3Scatter")
n2$setLib[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

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