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Simple syntax highlighted & preview

1. Text output

This code:

```r
(1:10)
```

Produces:

```
[1] 1 2 3 4 5 6 7 8 9 10
```
Escaping Wiki syntax

```r
{\{\texttt{|_\texttt{wikisyntax|\ensuremath{|\texttt{}}}}\}}\texttt{cat("\_hello\_")}[R]
```

_hello_

Parsing Wiki Syntax

```r
{\{\texttt{|_\texttt{wikisyntax|\ensuremath{|\texttt{}}}}\}}\texttt{cat("\_hello\_")}[R]
```

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>1</td>
<td>10</td>
<td>10</td>
<td>2013-08-30 17:37</td>
</tr>
<tr>
<td>We are working on this dataset</td>
<td>This will soon be changed</td>
<td>admin</td>
<td>21</td>
<td>30</td>
<td>30</td>
<td>2012-05-11 16:57</td>
</tr>
<tr>
<td>A really old dataset</td>
<td>This dataset is outdated.</td>
<td>admin</td>
<td>100</td>
<td>110</td>
<td>110</td>
<td>2012-05-11 16:57</td>
</tr>
</tbody>
</table>
```

No Tabs
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**

![Graph with x-min 1, x-max 10, and y=x^2](image)

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Simple templates for custom output

```
{wikitex}Values for X:
min: ($f_5$)
max: ($f_6$)

_Those are the results_ {wikitex}

{wikitex}(x)=(f_5)(x)
y=(x)
p(x)
line(Graph with xmin ($f_5$) & xmax ($f_6$) and y=x)
result: \(\text{Results from } (f_5)\quad (f_6)\)
result: \(- (f_5)\quad (f_6)\)
```

---

**Change Highlighter**

Describe the change you made: ☒

Monitor this page: ☐

**Preview**  **Save**  **Cancel Edit**
Flexible databases in Trackers to hold run parameters

Optional pop up helpers to edit plugin calls based on GUI

1. Basic image
Custom maps with GoogleVis

```r
G5 <- gvisGeoMap(CiudadPopular, locationvar="Ciudad", numvar="Popular", options=list(region="ES", height=350, dataMode="markers", colors=[0xFF5747, 0xFFF851, 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

x: Wednesday
y: Afternoon
z: 60
**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](#)

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**Custom output for higher control on figure results (pdf)**

```r
device.height = convertHeight(sum(g[["heights"]]), *in*, valueOnly=TRUE)
pdf("testr.pdf", height = device.height)
grid.draw(g)
invisible(dev.off())
```
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

```r
map3 <- Leaflet$map()
map3$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, -0.083), bindPopup = "Hi, I am another popup")
map3$print("chart(7)")
map3$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$print("nvd3Scatter")
#n2$print("nvd3Scatter")
n2$save("n2.html")
```

![Map with popups](image1)

![Plot with magnification](image2)
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

- Show names (500)
  - ins

Groups
- Noise (279)
- Significant (221)

Animation in time-based charts

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

Map of the United States with crime rate data visualized.
Ecoengine: distribution maps based on database records

Ecoengine: Photo viewer based on remote ecological data