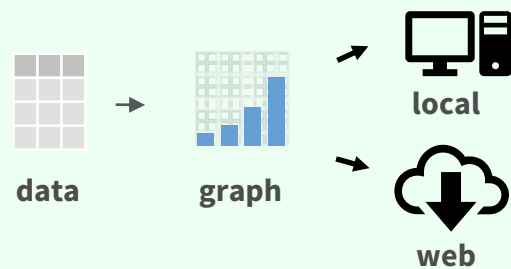


GoogleVis :: CHEAT SHEET



BASICS

The googleVis package provides an interface between R and **the Google Charts API**. Google Charts offer interactive charts which can be **embedded into web pages**. The functions of the googleVis package allow the user to visualize data stored in R data frames with Google Charts without uploading the data to Google.



1. Use 'gvis' + ChartType function to generate charts.

```
gchart <- gvisGeoChart(data,
  locationvar = "",
  colorvar = "",
  .....,
  options = list(<OPTIONS>)
)
```

2. Displaying gvis objects locally

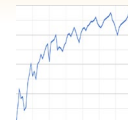
```
plot(gchart)
```

3. Either copy and paste the output from the R console into existing HTML page or write it into a local HTML

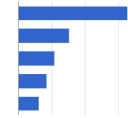
```
print(gchart, 'chart',
  file="myGoogleVisChart.html")
```

The googleVis package can also work with shiny, knitr.

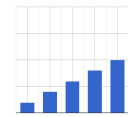
ONE VARIABLE



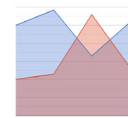
Line <- gvisLineChart(data)
xvar, yvar, options



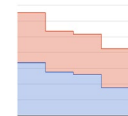
Bar <- gvisBarChart(data)
xvar, yvar, options



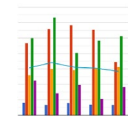
Column <- gvisColumnChart(data)
xvar, yvar, options



Area <- gvisAreaChart(data)
xvar, yvar, options



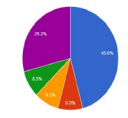
SteppedArea <-
gvisSteppedAreaChart(data)
xvar, yvar, options(isStacked...)



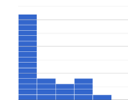
Combo <- gvisComboChart(data)
xvar, yvar, options(seriesType, series ...)



Candle <- gvisCandlestickChart(data)
xvar, low, open, close, high, options



Pie <- gvisPieChart(data)
labelvar, numvar, options



Hist <- gvisHistogram(data)
options(bucketSize...)

MORE VARIABLE



Scatter <- gvisScatterChart(data)
options(vAxis, hAxis...)

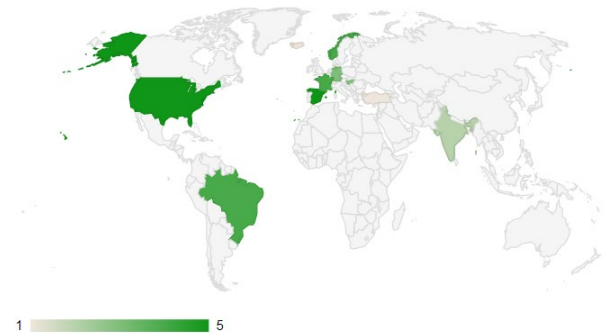


Bubble <- gvisBubbleChart(data)
idvar, xvar, yvar, colorvar, sizevar,
options

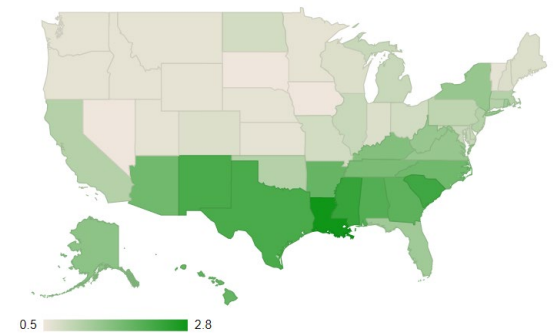
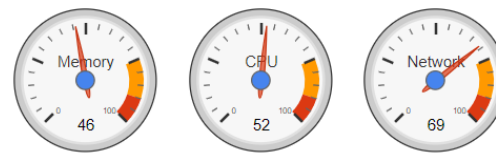
OTHER CHARTS

GEO CHART

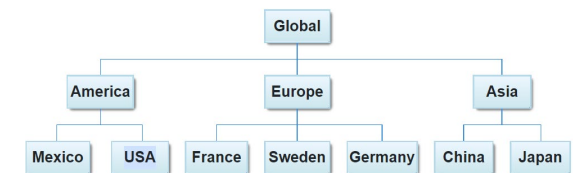
Geo <- gvisGeoChart(data)
locationvar, colorvar, sizevar, hovervar, options(projection, region, displayMode, resolution)



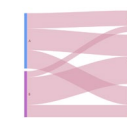
Gauge <- gvisGauge(data)
labelvar, numvar, options(min, max,
yellowFrom, yellowTo...)



Org <- gvisOrgChart(data)
idvar, parentvar, tipvar,
options(allowCollapse...)



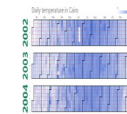
Tree <- gvisTreeMap(data)
idvar, parentvar, sizevar, colorvar,
options



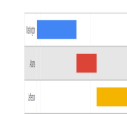
Sankey <- gvisSankey(data)
from, to, weight, options



Anno <- gvisAnnotationChart(data)
datevar, numvar, idvar, titlevar,
annotationvar, options



Cal <- gvisCalendar(data)
datevar, numvar, options



Timeline <- gvisTimeline(data)
rowlabel, barlabel, start, end,
options

SOME OPTIONS

backgroundColor	The background color for the main area of the chart
width & height	The width and height of the chart
title	Text to display above the chart.
titleTextStyle	An object that specifies the title text style.
legend	An object with members to configure various aspects of the legend.
series	An array of objects, each describing the format of the corresponding series in the chart.
colors	The colors to use for the chart elements.