Package ‘wordcloud2’

July 25, 2016

Type Package
Title Create Word Cloud by htmlWidget
Version 0.2.0
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Description A fast visualization tool for creating wordcloud by using wordcloud2.js.
License GPL-2
Depends R (>= 3.1.0)
LazyData TRUE
VignetteBuilder knitr
Imports htmlwidgets, base64enc, grDevices, graphics
Suggests knitr
Enhances shiny (>= 0.12)
URL https://github.com/lchiffon/wordcloud2
BugReports https://github.com/lchiffon/wordcloud2/issues
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RoxygenNote 5.0.1
NeedsCompilation no
Repository CRAN
Date/Publication 2016-07-25 09:56:48

R topics documented:

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**demoFreq**  
*Demo dataset with Words and Frequency*

**Description**
A data file of words and frequency from tm package

**Usage**
demoFreq

**Format**
A data set with 1011 observations of 2 variables, words and frequency

**demoFreqC**  
*Demo dataset with Chinese character Words and Frequency*

**Description**
A data file of words and frequency from tm package

**Usage**
demoFreqC

**Format**
A data set with 885 observations of 2 variables, words and frequency

**letterCloud**  
*Create wordcloud with the shape of a word*

**Description**
Function for Creating wordcloud with the shape of a word

**Usage**
letterCloud(data, word, wordSize = 0, letterFont = NULL, ...)

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*letterCloud*
Arguments

data  A data frame including word and freq in each column
word  A word to create shape for wordcloud.
wordSize Parameter of the size of the word.
letterFont Letter font
... Other parameters for wordcloud.

Examples

library(wordcloud2)

letterCloud(demoFreq,"R")

wordcloud2 Create wordcloud by wordcloud2.js

Description

Function for Creating wordcloud by wordcloud2.js

Usage

wordcloud2(data, size = 1, minSize = 0, gridSize = 0,
  fontFamily = 'Segoe UI', fontWeight = 'bold',
  color = 'random-dark', backgroundColor = "white",
  minRotation = -pi/4, maxRotation = pi/4, shuffle = TRUE,
  rotateRatio = 0.4, shape = 'circle', ellipticity = 0.65,
  widgetsize = NULL, figPath = NULL, hoverFunction = NULL)

Arguments

data  A data frame including word and freq in each column
size  Font size, default is 1. The larger size means the bigger word.
minSize A character string of the subtitle
gridSize Size of the grid in pixels for marking the availability of the canvas the larger the grid size, the bigger the gap between words.
fontFamily Font to use.
fontWeight Font weight to use, e.g. normal, bold or 600
color  color of the text, keyword 'random-dark' and 'random-light' can be used. color vector is also supported in this param
backgroundColor Color of the background.
minRotation If the word should rotate, the minimum rotation (in rad) the text should rotate.
maxRotation  If the word should rotate, the maximum rotation (in rad) the text should rotate. Set the two value equal to keep all text in one angle.

shuffle  Shuffle the points to draw so the result will be different each time for the same list and settings.

rotateRatio  Probability for the word to rotate. Set the number to 1 to always rotate.

shape  The shape of the "cloud" to draw. Can be a keyword present. Available presents are 'circle' (default), 'cardioid' (apple or heart shape curve, the most known polar equation), 'diamond' (alias of square), 'triangle-forward', 'triangle', 'pentagon', and 'star'.

ellipticity  degree of "flatness" of the shape wordcloud2.js should draw.

widgetsize  size of the widgets

figPath  The path to a figure used as a mask.

hoverFunction  Callback to call when the cursor enters or leaves a region occupied by a word. A string of java script function.

Examples

library(wordcloud2)
# Global variables can go here

wordcloud2(demoFreq)
wordcloud2(demoFreq, size = 2)

wordcloud2(demoFreq, size = 1, shape = 'pentagon')
wordcloud2(demoFreq, size = 1, shape = 'star')

wordcloud2(demoFreq, size = 2,
  color = "random-light", backgroundColor = "grey")

wordcloud2(demoFreq, size = 2, minRotation = -pi/2, maxRotation = -pi/2)
wordcloud2(demoFreq, size = 2, minRotation = -pi/6, maxRotation = -pi/6,
  rotateRatio = 1)
wordcloud2(demoFreq, size = 2, minRotation = -pi/6, maxRotation = pi/6,
  rotateRatio = 0.9)

wordcloud2(demoFreqC, size = 2,
  color = "random-light", backgroundColor = "grey")
wordcloud2(demoFreqC, size = 2, minRotation = -pi/6, maxRotation = -pi/6,
  rotateRatio = 1)

# Color Vector

colorVec = rep(c('red', 'skyblue'), length.out=nrow(demoFreq))
wordcloud2(demoFreq, color = colorVec, fontWeight = "bold")

wordcloud2(demoFreq,
  color = ifelse(demoFreq[, 2] > 20, 'red', 'skyblue'))
wordcloud2-shiny

Plot wordcloud2 in shiny

Description

Function for plotting wordcloud2 in shiny

Usage

```r
wordcloud2Output(outputId, width = "100\%", height = "400px")
renderWordcloud2(expr, env = parent.frame(), quoted = FALSE)

wordcloud2Output(outputId, width = "100\%", height = "400px")
renderWordcloud2(expr, env = parent.frame(), quoted = FALSE)
```

Arguments

- `outputId`: output variable to read from
- `width`, `height`: Must be a valid CSS unit (like "100\%", "400px", "auto") or a number, which will be coerced to a string and have "px" appended.
- `expr`: An expression that generates a networkD3 graph
- `env`: The environment in which to evaluate expr.
- `quoted`: Is expr a quoted expression (with `quote()`)? This is useful if you want to save an expression in a variable.

Details

Use `renderWordcloud2` to render a `wordcloud2` object and use `wordcloud2Output` output a `wordcloud2` object. See more details in shiny package.
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