

Package ‘fusionchartsR’

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Type Package

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Title Embedding 'FusionCharts Javascript' Library in R

Description FusionCharts provides awesome and minimalist functions to make beautiful interactive charts <<https://www.fusioncharts.com/>>.

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Encoding UTF-8

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Imports htmlwidgets, jsonlite, magrittr, shiny

Suggests rmarkdown, knitr

NeedsCompilation no

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available_charts	<i>List of available charts in fusionchartsR</i>
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Description

List of available charts in fusionchartsR

Usage

```
available_charts()
```

Examples

```
library(fusionchartsR)
available_charts()
```

fusionAnchors	<i>Adding FusionCharts anchors</i>
---------------	------------------------------------

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/anchors-and-lines>

Usage

```
fusionAnchors(
  fusionPlot,
  drawAnchors = TRUE,
  showvalues = FALSE,
  anchorSides = "0",
  anchorRadius = "3",
  anchorAlpha = "100",
  anchorBorderThickness = "1",
  anchorBorderColor = "#5a5a5a",
```

```

    anchorBgColor = "#ffffff",
    anchorBgAlpha = "100",
    anchorImageAlpha = "100",
    anchorImageScale = "150"
  )

```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
drawAnchors	Show the anchors
showvalues	Show the values of the anchors
anchorSides	Specify the number of sides to define the shape of the anchor
anchorRadius	Set the radius of the anchor
anchorAlpha	Set the transparency of the anchor
anchorBorderThickness	Set the thickness of the anchor border
anchorBorderColor	Set the hex code for anchor border color
anchorBgColor	Set the hex code for anchor background color
anchorBgAlpha	Set the transparency of the anchor background
anchorImageAlpha	Set the transparency of the image
anchorImageScale	Set the scale of the image

Examples

```

library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "line") %>%
  fusionAnchors(anchorRadius = "6", anchorBorderThickness = "2") %>%
  fusionTheme(theme = "fusion")

```

fusionAxis

Adding FusionCharts axis

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/axes>

Usage

```
fusionAxis(
  fusionPlot,
  xAxisName = "Change X axis",
  yAxisName = "Change Y axis",
  AxisNameFont = "Arial",
  AxisNameFontSize = "12",
  AxisNameFontColor = "#999999",
  AxisNameFontBold = TRUE,
  AxisNameFontItalic = FALSE
)
```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
xAxisName	Specify the title of the X-axis of the chart
yAxisName	Specify the title of the Y-axis of the chart
AxisNameFont	Set the font family of axis
AxisNameFontSize	Set the font size (between 0 and 72) of axis
AxisNameFontColor	Set the font color of axis in hex code
AxisNameFontBold	Set the font style to bold
AxisNameFontItalic	Set the font style to italic

Examples

```
library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "column3d") %>%
  fusionAxis(xAxisName = "Countries", yAxisName = "Numbers", AxisNameFontSize = "20") %>%
  fusionCustomAxis(xAxisPosition = "top", yAxisPosition = "right") %>%
  fusionTheme(theme = "gammel")
```

fusionBackground

Adding FusionCharts borders & background

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/border-and-background>

Usage

```
fusionBackground(  
  fusionPlot,  
  showBorder = FALSE,  
  borderColor = "#666666",  
  borderThickness = "4",  
  borderAlpha = "80",  
  bgColorStart = "#ffffff",  
  bgColorEnd = NULL,  
  bgAlphaStart = "50",  
  bgAlphaEnd = NULL,  
  bgratioStart = "60",  
  bgratioEnd = "40",  
  bgAngle = "180"  
)
```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
showBorder	Show the chart border
borderColor	Specify the color of the border
borderThickness	Set the thickness of the border
borderAlpha	Set the transparency of the border
bgColorStart, bgColorEnd	Set the hex codes of the starting and ending gradient colors
bgAlphaStart, bgAlphaEnd	Set the transparency of the starting ending gradient colors
bgratioStart, bgratioEnd	Set the radius of gradient colors
bgAngle	Set the angle in degrees of gradient colors

Examples

```
library(fusionchartsR)  
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))  
df %>%  
  fusionPlot(x = "label", y = "value", type = "column3d") %>%  
  fusionBackground(showBorder = TRUE, bgColorStart = "#DDDDDD") %>%  
  fusionTheme(theme = "fusion")
```

fusionCanvas

Adding FusionCharts canvas

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/canvas>

Usage

```
fusionCanvas(  
    fusionPlot,  
    showCanvasBg = FALSE,  
    canvasbgColorFirst = "#5a5a5a",  
    canvasbgColorSecond = NULL,  
    canvasBgDepth = "0",  
    canvasbgAlpha = "100",  
    canvasBgRatioStart = "40",  
    canvasBgRatioEnd = "60",  
    canvasBgAngle = "0",  
    showCanvasBorder = FALSE,  
    canvasBorderColor = "#666666",  
    canvasBorderAlpha = "80",  
    canvasBorderThickness = "1",  
    showCanvasBase = FALSE,  
    canvasBaseDepth = "5",  
    canvasBaseColor = "#aaaaaa"  
)
```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
showCanvasBg	Show the canvas background
canvasbgColorFirst	Specify the hex code of the first canvas background color
canvasbgColorSecond	Specify the hex code of the second canvas background color
canvasBgDepth	Set the depth of the canvas background
canvasbgAlpha	Set the transparency of the background color
canvasBgRatioStart	Set the first value of the canvas background ratio (in percentage)
canvasBgRatioEnd	Set the second value of the canvas background ratio (in percentage)
canvasBgAngle	Specify canvas background angle (in degrees)
showCanvasBorder	Show the canvas border

`canvasBorderColor` Set the border color
`canvasBorderAlpha` Set the transparency of the border
`canvasBorderThickness` Set the thickness of the border
`showCanvasBase` Show the canvas base
`canvasBaseDepth` Set the height of the canvas base
`canvasBaseColor` Specify the hex code of the base color

Examples

```

library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "column2d") %>%
  fusionCanvas(showCanvasBorder = TRUE, canvasBorderThickness = "4", canvasBorderAlpha = "80") %>%
  fusionTheme(theme = "fusion")
  
```

fusionCaption	<i>Adding FusionCharts caption</i>
---------------	------------------------------------

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/caption-and-sub-caption>

Usage

```

fusionCaption(
  fusionPlot,
  caption = "Add a caption here",
  captionFont = "Arial",
  captionFontSize = "18",
  captionFontColor = "#5A5A5A",
  captionFontBold = TRUE,
  captionOnTop = TRUE,
  captionAlignment = c("center", "left", "right")
)
  
```

Arguments

`fusionPlot` fusionPlot object got by fusionPlot()
`caption` Specify the caption of the chart
`captionFont` Set the caption font family

captionFontSize Set the caption font size (between 0 and 72)

captionFontColor Set the caption font color

captionFontBold Enable caption font to bold

captionOnTop Display the caption at the top of the chart

captionAlignment Specify the horizontal alignment of the caption

Examples

```
library(fusionchartsR)

df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
fusionPlot(data = df, x = "label", y = "value", type = "column2d") %>%
  fusionCaption(caption = "Caption on the left", captionAlignment = "left") %>%
  fusionSubcaption(subcaption = "subcaption too") %>%
  fusionTheme(theme = "fusion")
```

fusionCustomAxis	<i>Customing FusionCharts axis</i>
------------------	------------------------------------

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/axes>

Usage

```
fusionCustomAxis(
  fusionPlot,
  showlabels = TRUE,
  xAxisPosition = c("bottom", "top", "left", "right"),
  yAxisPosition = c("left", "right", "top", "bottom"),
  AxisNameBorderColor = NULL,
  AxisNameBorderAlpha = "0",
  AxisNameBorderPadding = "6",
  AxisNameBorderRadius = "3",
  AxisNameBorderThickness = "2",
  AxisNameBorderDashed = FALSE,
  AxisNameBorderDashLen = "4",
  AxisNameBorderDashGap = "2",
  AxisNameBgColor = NULL,
  AxisNameBgAlpha = "0",
  AxisNameFontAlpha = "100",
  AxisValueFont = "Arial",
```



```

AxisValueFontSize = "1px",
AxisValueFontColor = NULL,
AxisValueFontBold = FALSE,
AxisValueFontItalic = FALSE,
AxisValueAlpha = "100",
AxisValueBgColor = NULL,
AxisValueBgAlpha = "50",
AxisValueBorderColor = "#ffffff",
AxisValueBorderAlpha = "0",
AxisValueBorderPadding = "5",
AxisValueBorderRadius = "2",
AxisValueBorderThickness = "3",
AxisValueBorderDashed = FALSE,
AxisValueBorderDashLen = "2",
AxisValueBorderDashGap = "2"
)

```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
showlabels	Display the data labels
xAxisPosition	change the position of the x-axis
yAxisPosition	change the position of the y-axis
AxisNameBorderColor	Set the border color of the name of the axis
AxisNameBorderAlpha	Set the transparency of the border around the name of axis
AxisNameBorderPadding	Set the padding of the border around the name of the axis
AxisNameBorderRadius	Set the radius of the border around the name of the axis
AxisNameBorderThickness	Set the thickness of the border around the name of the axis
AxisNameBorderDashed	Make the border around the name of the axis dashed
AxisNameBorderDashLen	Set the length of each dash in the dashed border around the name of the axis
AxisNameBorderDashGap	Set the gap between two consecutive dashes in the dashed border around the name of the axis
AxisNameBgColor	Set the background color of the name of the axis
AxisNameBgAlpha	Set the transparency of the background of the name of the axis
AxisNameFontAlpha	Set the transparency of the name of the axis

AxisValueFont Set the font of the axis values
 AxisValueFontSize Set the font size (between 0 to 72) of the axis values
 AxisValueFontColor Set the font color of the axis
 AxisValueFontBold Set the font of the axis values to bold
 AxisValueFontItalic Set the font for the axis values to italics
 AxisValueAlpha Set the degree of transparency of the axis values
 AxisValueBgColor Set the background color of the axis values
 AxisValueBgAlpha Set the background color transparency of the axis values
 AxisValueBorderColor Set the border color of the axis values
 AxisValueBorderAlpha Set the transparency of the border of the axis values
 AxisValueBorderPadding Set the padding of the axis values border
 AxisValueBorderRadius Set the border radius of the axis values
 AxisValueBorderThickness Set the border thickness of the axis values
 AxisValueBorderDashed Make the axis values border dashed
 AxisValueBorderDashLen Set the length of each dash for the dashed borders around axis values
 AxisValueBorderDashGap Set the gap between two consecutive dashes for the dashed borders around the axis values

Examples

```

library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "column3d") %>%
  fusionAxis(xAxisName = "Countries", yAxisName = "Numbers", AxisNameFontSize = "20") %>%
  fusionCustomAxis(xAxisPosition = "top", yAxisPosition = "right") %>%
  fusionTheme(theme = "gammel")
  
```

fusionCustomLegend	<i>Customizing FusionCharts legend</i>
--------------------	--

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/legend>

Usage

```
fusionCustomLegend(
    fusionPlot,
    plotHighlightEffect = FALSE,
    plotHighlightEffectColor = "#7f7f7f",
    plotHighlightEffectAlpha = "60",
    drawCustomLegendIcon = TRUE,
    legendIconBgColor = NULL,
    legendIconAlpha = "100",
    legendIconBgAlpha = "100",
    legendIconBorderColor = "#123456",
    legendIconBorderThickness = "0",
    legendIconSides = "1",
    legendIconStartAngle = "45",
    legendScrollBgColor = "#5A5A5A",
    legendBgColor = "#CCCCCC",
    legendBgAlpha = "0",
    legendBorderColor = "#666666",
    legendBorderThickness = "0",
    legendBorderAlpha = "40",
    legendCaptionAlignment = c("center", "left", "right"),
    legendShadow = FALSE,
    legendItemFontBold = FALSE,
    legendItemFont = "Arial",
    legendItemFontSize = "14",
    legendItemFontColor = "#5A5A5A",
    legendItemHover = FALSE,
    legendItemHoverFontColor = "#cccccc"
)
```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
plotHighlightEffect	Enable highlighting of corresponding data series after hover over a legend text
plotHighlightEffectColor	Specify the color
plotHighlightEffectAlpha	Specify the opacity

`drawCustomLegendIcon`
Enable drawing of a custom legend icon

`legendIconBgColor`
Specify the hex color code for the background of the legend icon

`legendIconAlpha`
Set the legend icon transparency (0 to 100)

`legendIconBgAlpha`
Set the legend icon background transparency

`legendIconBorderColor`
Specify the hex color code for the border of the legend icon

`legendIconBorderThickness`
Set the thickness of the legend icon border

`legendIconSides`
Set the number of sides for the legend icon

`legendIconStartAngle`
Set the starting angle for drawing the legend icon

`legendScrollBgColor`
Specify the background color of the scroll bar

`legendBgColor` Specify the background color for the legend

`legendBgAlpha` Specify the background transparency for the legend

`legendBorderColor`
Specify the border color for the legend

`legendBorderThickness`
Specify the border thickness for the legend

`legendBorderAlpha`
Specify the border transparency for the legend

`legendCaptionAlignment`
Specify the horizontal alignment of the legend caption

`legendShadow` Enable the legend shadow

`legendItemFontBold`
Display legend keys in bold

`legendItemFont` Specify the legend item font

`legendItemFontSize`
Specify the legend item font size (0 to 72)

`legendItemFontColor`
Specify the legend item font color

`legendItemHover`
Enable hover effect to legend item

`legendItemHoverFontColor`
Specify the legend item font color on hover

Examples

```
library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "doughnut2d") %>%
  fusionCustomLegend(plotHighlightEffect = TRUE) %>%
  fusionTheme(theme = "fusion")
```

fusionDiv

Adding FusionCharts Div & Grid

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/div-lines-and-grids>
& <https://www.fusioncharts.com/dev/chart-guide/chart-configurations/vertical-div-lines>

Usage

```
fusionDiv(
  fusionPlot,
  adjustDiv = FALSE,
  numDivLines = "5",
  divLineColor = "#5a5a5a",
  divLineAlpha = "10",
  divLineDashed = FALSE,
  divLineDashLen = "5",
  divLineDashGap = "6",
  numVDivLines = "5",
  vDivLineColor = "#F2F2F2",
  vDivLineThickness = "1",
  vDivLineAlpha = "100",
  vDivLineDashed = FALSE,
  vDivLineDashLen = "5",
  vDivLineDashGap = "3",
  showAlternateHGridColor = FALSE,
  alternateHGridColor = "#5a5a5a",
  alternateHGridAlpha = "1",
  showAlternateVGridColor = FALSE,
  alternateVGridColor = "#5a5a5a",
  alternateVGridAlpha = "3"
)
```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
adjustDiv	Enable the automatic adjustment of horizontal lines

numDivLines	Set the number of hozitontal lines
divLineColor	Specify the hex code for the color of the hozitontal lines
divLineAlpha	Set the transparency of the hozitontal lines
divLineDashed	Display the hozitontal lines as dashed
divLineDashLen	Set the length of each dashed hozitontal lines
divLineDashGap	Set the gap between the dashed hozitontal lines
numVDivLines	Specify the number of vertical lines
vDivLineColor	Set the color of the vertical lines
vDivLineThickness	Set the thickness of the vertical lines
vDivLineAlpha	Set the transparency of the vertical lines
vDivLineDashed	Display the vertical lines as dashed
vDivLineDashLen	Set the length of each dashed vertical lines
vDivLineDashGap	Set the gap between the dashed vertical lines
showAlternateHGridColor	Display the horizontal grid bands
alternateHGridColor	Specify the hex code for the color of the horizontal grid
alternateHGridAlpha	Set the transparency of the horizontal grid
showAlternateVGridColor	Display the vertical grid bands
alternateVGridColor	Specify the hex code for the color of the vertical grid
alternateVGridAlpha	Set the transparency of the vertical grid

Examples

```
library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "column2d") %>%
  fusionDiv(divLineColor = "#6699cc", divLineAlpha = "60", divLineDashed = TRUE) %>%
  fusionTheme(theme = "fusion")
```

fusionLegend	<i>Adding FusionCharts legend</i>
--------------	-----------------------------------

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/legend>

Usage

```
fusionLegend(  
  fusionPlot,  
  showLegend = TRUE,  
  interactiveLegend = TRUE,  
  legendPosition = c("bottom", "left", "right"),  
  legendAllowDrag = FALSE,  
  legendIconScale = "1",  
  reverseLegend = FALSE,  
  legendCaption = NULL,  
  legendCaptionBold = TRUE,  
  legendCaptionFont = "Arial",  
  legendCaptionFontSize = "14",  
  legendCaptionFontColor = "#333333"  
)
```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
showLegend	Show the legend
interactiveLegend	Enable interactive legend
legendPosition	Specify the position of the legend
legendAllowDrag	Make the legend draggable
legendIconScale	Specify the legend icon size (values from "1" to "5")
reverseLegend	Reverse the order of datasets
legendCaption	Specify the legend caption value
legendCaptionBold	Set the legend caption font style to bold
legendCaptionFont	Specify the legend caption font
legendCaptionFontSize	Specify the legend caption font size
legendCaptionFontColor	Specify the hex color code for the caption font legend

Examples

```
library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "doughnut2d") %>%
  fusionLegend(legendCaption = "LegendCaption", legendCaptionFontSize = "24") %>%
  fusionTheme(theme = "fusion")
```

fusionLogo

*Adding FusionCharts logo***Description**

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/loading-external-logo>

Usage

```
fusionLogo(
  fusionPlot,
  logoURL = "NULL",
  logoAlpha = "40",
  logoScale = "80",
  logoPosition = c("TL", "TR", "BL", "BR", "CC"),
  logoLink = NULL
)
```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
logoURL	Specify the URL of the external logo
logoAlpha	Set the transparency of the external logo
logoScale	Set the scale of the external logo (0 to 300)
logoPosition	Specify the position of the external logo
logoLink	Add an external link to the external logo

Examples

```
library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
logoURL <- "https://static.fusioncharts.com/sampledData/images/Logo-HM-72x72.png"
df %>%
  fusionPlot(x = "label", y = "value", type = "doughnut2d") %>%
  fusionLogo(logoURL = logoURL) %>%
  fusionTheme(theme = "fusion")
```

fusionMultiPlot *Create new multiple charts*

Description

Main function to make interactive charts. Check all charts at <https://www.fusioncharts.com/charts>

Usage

```
fusionMultiPlot(  
  data,  
  x,  
  y,  
  col = NULL,  
  type = "msstepline",  
  numberSuffix = NULL  
)
```

Arguments

data	Default dataset to use
x, y	character name of variable
col	define seriesname variable
type	See 'available_charts()'
numberSuffix	Specify the suffix for all the Y-axis values on the chart

Examples

```
library(fusionchartsR)  
  
# Multiple charts  
new.data <- data.frame(  
  label = rep(x = c(2012:2016), times = 2),  
  seriesname = c(rep("iOS App Store", 5), rep("Google Play Store", 5)),  
  values = c(1:10)  
)  
  
new.data %>%  
  fusionMultiPlot(  
    x = "label",  
    y = "values",  
    col = "seriesname",  
    type = "mscolumn2d",  
  ) %>%  
  fusionTheme(theme = "fusion")
```

fusionMultiPlot-shiny *Shiny bindings for fusionMultiPlot*

Description

Output and render functions for using fusionMultiPlot within Shiny applications and interactive Rmd documents.

Usage

```
fusionMultiPlotOutput(outputId, width = "100%", height = "400px")
renderFusionMultiPlot(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 fusionMultiPlot
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.

fusionPalette *Adding FusionCharts palette*

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/data-plot>

Usage

```
fusionPalette(
  fusionPlot,
  palettecolors = NULL,
  usePlotGradientColor = FALSE,
  plotGradientColor = "#003366",
  plotFillAngle = "0",
  plotFillRatioStart = "90",
  plotFillRatioEnd = "100",
  plotFillAlpha = "100",
  showPlotBorder = FALSE,
  drawFullAreaBorder = FALSE,
```

```

inheritPlotBorderColor = FALSE,
plotBorderDashed = FALSE,
plotBorderDashLen = "4",
plotBorderDashGap = "4",
plotBorderThickness = "1",
plotBorderColor = "#666666",
useRoundEdges = FALSE,
plotHoverEffect = FALSE,
plotFillHoverColor = "#5D62B5",
plotFillHoverAlpha = "100",
plotBorderHoverColor = "#000000",
plotBorderHoverAlpha = "100",
plotBorderHoverThickness = "1",
plotBorderHoverDashed = TRUE,
plotBorderHoverDashLen = "6",
plotBorderHoverDashGap = "2"
)

```

Arguments

fusionPlot fusionPlot object got by fusionPlot()

palettecolors Specify your custom palette for data plots

usePlotGradientColor
Use the gradient effect

plotGradientColor
Specify the hex code of the gradient color

plotFillAngle Set the fill angle for the gradient (0 to 360)

plotFillRatioStart
Specify the start of the gradient effect

plotFillRatioEnd
Specify the end of the gradient effect

plotFillAlpha Set the transparency of the gradient fill

showPlotBorder Show the plot border

drawFullAreaBorder
To set the top border of the area chart (only works if showPlotBorder = TRUE)

inheritPlotBorderColor
Enable the plot border to inherit the color of an area plot

plotBorderDashed
Make the border dashed

plotBorderDashLen
Set the length of each dash in plot-border (in pixels)

plotBorderDashGap
Set the gap between two consecutive dashes in plot border (in pixels)

plotBorderThickness
Set the thickness of the plot border

plotBorderColor	Set the color of the plot border
useRoundEdges	Enable rounded edges (2D Column or Bar charts only)
plotHoverEffect	Enable hover effects for the data plots
plotFillHoverColor	Set the hover color for data plots in hex code format
plotFillHoverAlpha	Set the transparency for hover color for data plots
plotBorderHoverColor	Set the hover border color
plotBorderHoverAlpha	Set the transparency of hover border for data plots
plotBorderHoverThickness	Set the hover border thickness (in pixels)
plotBorderHoverDashed	Make dashed borders on hover
plotBorderHoverDashLen	Set the length of each dash for all data plots on hover
plotBorderHoverDashGap	Set the gap between two consecutive dashes for all data plots on hover(in pixels)

Examples

```
library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))

df %>%
  fusionPlot(x = "label", y = "value", type = "pie2d") %>%
  fusionTheme(theme = "gammel")

df %>%
  fusionPlot(x = "label", y = "value", type = "pie2d") %>%
  fusionPalette(palettecolors = c("5d62b5", "29c3be", "f2726f")) %>%
  fusionTheme(theme = "gammel")
```

fusionPlot

Create new charts

Description

Main function to make interactive charts. Check all charts at <https://www.fusioncharts.com/charts>

Usage

```
fusionPlot(data, x, y, type = "column2d", numberSuffix = NULL)
```

Arguments

data	Default dataset to use
x, y	character name of variable
type	See ‘available_charts()’
numberSuffix	Specify the suffix for all the Y-axis values on the chart

Examples

```
library(fusionchartsR)

# Single
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "pie2d") %>%
  fusionTheme(theme = "fusion")
```

fusionPlotOutput *Shiny bindings for fusionPlot*

Description

Output and render functions for using fusionPlot within Shiny applications and interactive Rmd documents.

Usage

```
fusionPlotOutput(outputId, width = "100%", height = "400px")

renderfusionPlot(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 fusionPlot
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.

fusionSubcaption *Adding FusionCharts subcaption*

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/caption-and-sub-caption>

Usage

```
fusionSubcaption(
  fusionPlot,
  subcaption = "Add a subCaption here",
  subcaptionFont = "Arial",
  subcaptionFontSize = "14",
  subcaptionFontColor = "#999999",
  subcaptionFontBold = FALSE
)
```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
subcaption	Specify the subcaption of the chart
subcaptionFont	Set the subcaption font family
subcaptionFontSize	Set the subcaption font size (between 0 and 72)
subcaptionFontColor	Set the subcaption font color in hex code
subcaptionFontBold	Enable subcaption font to bold

Examples

```
library(fusionchartsR)

mtcars %>%
  fusionPlot(
    x = "cyl",
    y = "mpg",
    type = "boxandwhisker2d"
  ) %>%
  fusionCaption(caption = "Caption on the left", captionAlignment = "left") %>%
  fusionSubcaption(subcaption = "subcaption too") %>%
  fusionPalette(palettecolors = c("#5D62B5", "#979AD0")) %>%
  fusionTheme(theme = "fusion")
```

fusionTheme	<i>Adding FusionCharts theme</i>
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Description

<https://www.fusioncharts.com/dev/themes/introduction-to-themes>

Usage

```
fusionTheme(  
  fusionPlot,  
  theme = c("fusion", "gammel", "candy", "zune", "ocean", "carbon", "umber")  
)
```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
theme	Chart theme

Examples

```
library(fusionchartsR)  
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))  
df %>%  
  fusionPlot(x = "label", y = "value", type = "pie2d") %>%  
  fusionTheme(theme = "gammel")
```

fusionTooltip	<i>Adding FusionCharts tooltip</i>
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Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/tool-tips>

Usage

```
fusionTooltip(  
  fusionPlot,  
  showToolTip = TRUE,  
  tooltipBorderColor = "#666666",  
  tooltipBgColor = "#ffffff",  
  tooltipBgAlpha = "100",  
  showToolTipShadow = TRUE  
)
```

Arguments

fusionPlot fusionPlot object got by fusionPlot()
showToolTip Display tooltip
toolTipBorderColor
 Specify the color of the tooltip border
toolTipBgColor Specify the hex code for the tooltip background color
toolTipBgAlpha Set the tooltip background color transparency
showToolTipShadow
 Enable tooltip shadow

Examples

```

library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "doughnut2d") %>%
  fusionTooltip(toolTipBgColor = "#3526ad", toolTipBgAlpha = "50", showToolTipShadow = FALSE) %>%
  fusionTheme(theme = "fusion")

```

 fusionTrendline

Adding FusionCharts trend-line/trend-zone

Description

<https://www.fusioncharts.com/dev/chart-guide/chart-configurations/trend-lines-and-zones>

Usage

```

fusionTrendline(
  fusionPlot,
  isTrendZone = FALSE,
  displayValue = NULL,
  startValue = NULL,
  endValue = NULL,
  color = "#000000",
  thickness = 2,
  alpha = "60",
  valueOnRight = TRUE,
  trendValueFont = "Arial",
  trendValueFontSize = "12",
  trendValueFontBold = TRUE,
  trendValueFontItalic = FALSE,
  trendValueAlpha = "80",
  trendValueBgColor = "#000000",
  trendValueBgAlpha = "10",

```



```

trendValueBorderColor = "#000000",
trendValueBorderAlpha = "80",
trendValueBorderPadding = "4",
trendValueBorderRadius = "5",
trendValueBorderThickness = "2",
trendValueBorderDashed = FALSE,
trendValueBorderDashLen = "#5A5A5A",
trendValueBorderDashGap = "1"
)

```

Arguments

fusionPlot	fusionPlot object got by fusionPlot()
isTrendZone	Render a trend zone on a chart
displayValue	Add text next to the trend-line
startValue	Specify the data value of the starting point of the trend-line
endValue	Specify the data value of the ending point of the trend-line
color	Specify the hex code for the color of the trend-line
thickness	Specify the thickness of the trend-line(in pixels)
alpha	Specify the transparency of the trend-line
valueOnRight	Enable right position
trendValueFont	Set the font family for the trend-line display values
trendValueFontSize	Set the font size for the trend-line display values
trendValueFontBold	Make trend-line display values appear in bold
trendValueFontItalic	Make trend-line display values appear in italic
trendValueAlpha	Set the transparency for the trend-line display values
trendValueBgColor	Set the color for the background of the trend-line display values
trendValueBgAlpha	Set the transparency for the background of trend-line display values
trendValueBorderColor	Set the color for the border around the trend-line display values
trendValueBorderAlpha	Set the transparency for the border around the trend-line display values (0 to 100)
trendValueBorderPadding	Set the padding for the border around the trend-line display values
trendValueBorderRadius	Set the radius for the border around the trend-line display values

`trendValueBorderThickness`
Set the thickness of the border around the trend-line display values

`trendValueBorderDashed`
Specify whether the border around the trend-line display value will be drawn as a dashed line

`trendValueBorderDashLen`
Set the length of each dash

`trendValueBorderDashGap`
Set the gap between each dash

Examples

```
library(fusionchartsR)
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
df %>%
  fusionPlot(x = "label", y = "value", type = "column2d") %>%
  fusionTrendline(displayValue = "Help", startValue = "100") %>%
  fusionTheme(theme = "candy")
```

runDemo

Fusioncharts Demo

Description

Running Shiny App

Usage

```
runDemo()
```

Examples

```
if(interactive()){
  library(shiny)
  library(fusionchartsR)
  runDemo()
}
```

%>%

Pipe

Description

Like dplyr, fusionchartsR also uses the pipe function, %>% to turn function composition into a series of imperative statements.

Arguments

lhs, rhs A visualisation and a function to apply to it

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