

# Package ‘fusionchartsR’

July 22, 2025

**Type** Package

**Version** 1.1.0

**Title** Embedding FusionCharts in R

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

**License** MIT + file LICENSE

**URL** <https://alexym1.github.io/fusionchartsR/>,  
<https://github.com/alexym1/fusionchartsR>

**BugReports** <https://github.com/alexym1/fusionchartsR/issues>

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**Imports** ggplot2, htmlwidgets, jsonlite, magrittr, scales, shiny

**Suggests** rmarkdown, knitr

**NeedsCompilation** no

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**Repository** CRAN

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|               |                                    |
|---------------|------------------------------------|
| 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 | <i>Adding FusionCharts canvas</i> |
|--------------|-----------------------------------|

---

**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

*Adding FusionCharts caption***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)

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")
```

---

|                  |                                    |
|------------------|------------------------------------|
| 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"),
  yAxisMinValue = NULL,
  yAxisMaxValue = NULL,
  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                                                           |
| yAxisMinValue           | Set the lower limit of the x-axis                                                           |
| yAxisMaxValue           | Set the upper limit 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")
```

---

|                     |                                          |
|---------------------|------------------------------------------|
| fusionCustomBoxplot | <i>Customing "boxandwhisker2d" chart</i> |
|---------------------|------------------------------------------|

---

## Description

Customing "boxandwhisker2d" chart

## Usage

```
fusionCustomBoxplot(
  fusionPlot,
  showmean = TRUE,
  drawmeanconnector = FALSE,
  lowerboxcolor = "#29C3BE",
```

```

    upperboxcolor = "#5D62B5",
    mediancolor = "#FFFFFF",
    meaniconshape = "polygon",
    meaniconsides = "2",
    meaniconradius = "2",
    showalloutliers = TRUE,
    outliericonsides = "20",
    outliericonalpha = "40",
    outliericonshape = "triangle",
    outliericonsradius = "4"
  )

```

### Arguments

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| fusionPlot         | fusionPlot object got by fusionPlot()                 |
| showmean           | Show means                                            |
| drawmeanconnector  | Connect all means                                     |
| lowerboxcolor      | Set the color of the lower box                        |
| upperboxcolor      | Set the color of the upper box                        |
| mediancolor        | Set the color of the median line                      |
| meaniconshape      | Set the shape of the mean icon                        |
| meaniconsides      | Set the sides of the mean icon                        |
| meaniconradius     | Set the radius of the mean icon                       |
| showalloutliers    | Show outliers                                         |
| outliericonsides   | Set the sides of the outliers                         |
| outliericonalpha   | Set the background color transparency of the outliers |
| outliericonshape   | Set the shape of the outliers                         |
| outliericonsradius | Set the radius of the outliers                        |

### Examples

```

library(fusionchartsR)
mtcars %>%
  fusionPlot(x = "cyl", y = "mpg", type = "boxandwhisker2d") %>%
  fusionCustomBoxplot(drawmeanconnector = TRUE)

```

---

|                    |                                        |
|--------------------|----------------------------------------|
| 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 horizontal 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

*Adding FusionCharts legend***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 = "",
  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, type = "msstepline", numberSuffix = NULL)
```

## Arguments

|              |                                                           |
|--------------|-----------------------------------------------------------|
| data         | Default dataset to use                                    |
| x, y         | character name of variable                                |
| col          | define seriesname variable                                |
| type         | type of chart                                             |
| 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

|                                     |                                                                                             |
|-------------------------------------|---------------------------------------------------------------------------------------------|
| <code>fusionPlot</code>             | fusionPlot object got by <code>fusionPlot()</code>                                          |
| <code>palettecolors</code>          | Specify your custom palette for data plots                                                  |
| <code>usePlotGradientColor</code>   | Use the gradient effect                                                                     |
| <code>plotGradientColor</code>      | Specify the hex code of the gradient color                                                  |
| <code>plotFillAngle</code>          | Set the fill angle for the gradient (0 to 360)                                              |
| <code>plotFillRatioStart</code>     | Specify the start of the gradient effect                                                    |
| <code>plotFillRatioEnd</code>       | Specify the end of the gradient effect                                                      |
| <code>plotFillAlpha</code>          | Set the transparency of the gradient fill                                                   |
| <code>showPlotBorder</code>         | Show the plot border                                                                        |
| <code>drawFullAreaBorder</code>     | To set the top border of the area chart (only works if <code>showPlotBorder = TRUE</code> ) |
| <code>inheritPlotBorderColor</code> | Enable the plot border to inherit the color of an area plot                                 |
| <code>plotBorderDashed</code>       | Make the border dashed                                                                      |
| <code>plotBorderDashLen</code>      | Set the length of each dash in plot-border (in pixels)                                      |
| <code>plotBorderDashGap</code>      | Set the gap between two consecutive dashes in plot border (in pixels)                       |
| <code>plotBorderThickness</code>    | 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") %>%
  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         | type of chart                                             |
| numberSuffix | Specify the suffix for all the Y-axis values on the chart |

**Details**

A 2x2 confusion matrix can be displayed using `type = "confusionMatrix"`.

**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 | <i>Adding FusionCharts subcaption</i> |
|------------------|---------------------------------------|

---

## 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> |
|-------------|----------------------------------|

---

**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> |
|---------------|------------------------------------|

---

**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 | <i>Adding FusionCharts trend-line/trend-zone</i> |
|-----------------|--------------------------------------------------|

---

**Description**

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

**Usage**

```

fusionTrendline(
  fusionPlot,
  isTrendZone = FALSE,
  displayValue = "",
  startValue = "",
  endValue = "",
  color = "#FFFFFF",
  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")
  
```

---

ggfusionPlot

---

*Convert a ggplot2 object to a fusionchartsR object.*


---

## Description

**[Experimental]**

## Usage

```
ggfusionPlot(object)
```

## Arguments

object            a ggplot object

## Examples

```

library(ggplot2)
library(fusionchartsR)

df <- 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)
)

object <- ggplot(df, aes(label, values, fill = seriesname)) +
  geom_col()

ggfusionPlot(object)
  
```

---

`runDemo`*Fusioncharts Demo*

---

**Description**

Running Shiny App

**Usage**

```
runDemo()
```

**Examples**

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

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