

# Package ‘fusionchartsR’

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**Type** Package

**Version** 0.0.1

**Title** Embedding 'FusionCharts Javascript' Library in R

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

**License** MIT + file LICENSE

**Encoding** UTF-8

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**NeedsCompilation** no

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fusionAnchors	<i>Adding FusionCharts anchors</i>
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## 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	Display 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))
fusionPlot(data = df, type = "line") %>%
  fusionAnchors(anchorRadius = "6", anchorBorderThickness = "2",
    anchorBorderColor = "#127fcb", anchorSides = "3",
    anchorBgColor = "#d3f7ff") %>%
  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))
fusionPlot(data = df, type = "column3d") %>%
  fusionAxis(xAxisName = "Countries", yAxisName = "Numbers", AxisNameFontSize = "20") %>%
  fusionCustomAxis(xAxisPosition = "top", yAxisPosition = "right") %>%
  fusionTheme(theme = "gammel")
```

---

fusionBackground	<i>Adding FusionCharts borders &amp; background</i>
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---

## 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))
fusionPlot(data = df, type = "column2d") %>%
  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))
fusionPlot(data = df, 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)  
  
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))  
fusionPlot(data = df, 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,
  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()
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))
fusionPlot(data = df, type = "column3d") %>%
  fusionAxis(xAxisName = "Countries", yAxisName = "Numbers", AxisNameFontSize = "20") %>%
  fusionCustomAxis(xAxisPosition = "top", yAxisPosition = "right") %>%
  fusionTheme(theme = "gammel")
```

---

fusionCustomLegend      *Customizing FusionCharts legend*

---

## 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))
fusionPlot(data = df, 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))
fusionPlot(data = df, 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 = 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))
fusionPlot(data = df, 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"
fusionPlot(data = df, type = "line") %>%
  fusionLogo(logoURL = logoURL) %>%
  fusionTheme(theme = "fusion")
```

---

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))
fusionPlot(data = df, type = "column2d") %>%
  fusionPalette(palettecolors = c("5d62b5", "29c3be", "f2726f")) %>%
  fusionTheme(theme = "fusion")
```

---

fusionPlot

*Create new charts*

---

### Description

Main function to make interactive charts

### Usage

```
fusionPlot(
  data,
  type = "column2d",
  width = "100%",
  height = "100%",
  numberSuffix = NULL,
  exportEnabled = FALSE
)
```

**Arguments**

data	Default dataset to use
type	Chart type. Available charts can be found at <a href="https://www.fusioncharts.com/dev/chart-guide/list-of-charts">https://www.fusioncharts.com/dev/chart-guide/list-of-charts</a>
width, height	Size of the chart. Must be a valid CSS unit (like '100%', '400px', '600')
numberSuffix	Specify the suffix for all the Y-axis values on the chart
exportEnabled	Enable chart exporting

**Examples**

```
library(fusionchartsR)

df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))
fusionPlot(data = df, 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)  
  
df <- data.frame(label = c("Venezuela", "Saudi", "Canada", "Russia"), value = c(290, 260, 180, 115))  
fusionPlot(data = df, type = "column2d") %>%  
  fusionCaption(caption = "Caption on the left", captionAlignment = "left") %>%  
  fusionSubcaption(subcaption = "subcaption too") %>%  
  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))  
fusionPlot(data = df, type = "pie2d") %>%  
  fusionTheme(theme = "fusion")  
  
fusionPlot(data = df, type = "column2d") %>%  
  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))
fusionPlot(data = df, type = "column2d") %>%
  fusionTooltip(tooltipBgColor = "#3526ad", tooltipBgAlpha = "50", showToolTipShadow = FALSE) %>%
  fusionTheme(theme = "fusion")

```

---

fusionTrendline	<i>Adding FusionCharts trend-line/trend-zone</i>
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---

### 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))
fusionPlot(data = df, type = "column2d") %>%
  fusionTrendline(displayValue = "Help", startValue = "100") %>%
  fusionTheme(theme = "candy")

```

---

%>%

*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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