

Package ‘d3plus’

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Type Package

Title Seamless 'D3Plus' Integration

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Description Provides functions that offer seamless 'D3Plus' integration. The examples provided here are taken from the official 'D3Plus' website <<http://d3plus.org>>.

Depends htmlwidgets, magrittr

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d3plus

*An 'htmlwidget' interface to the d3plus javascript chart library***Description**

An 'htmlwidget' interface to the d3plus javascript chart library

This function provides 'D3Plus' methods from R console

Usage

```
d3plus(data, width = NULL, height = NULL, elementId = NULL)
```

Arguments

data	D3Plus need explicit specified data objects formatted as JSON, and this parameter passed it from R.
width	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number, which will be coerced to a string and have 'px' appended.
height	Same as width parameter.
elementId	Dummy string parameter. Useful when you have two or more charts on the same page.

Author(s)

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Examples

```
dta <- data.frame(
  id = c("alpha", "alpha", "alpha", "beta", "beta", "beta"),
  x = c(4,5,6,4,5,6),
  y = c(7,25,13,7,8,13)
)

d3plus() %>% d3p_data(dta) %>% d3p_type("bar")
d3plus() %>% d3p_data(dta) %>% d3p_type("hbar")
d3plus() %>% d3p_data(dta) %>% d3p_type("area")
```

d3plus-exports

*d3plus exported operators and S3 methods***Description**

The following functions are imported and then re-exported from the d3plus package to avoid listing the magrittr as Depends of d3plus.

d3plus-shiny

Shiny bindings for 'D3Plus'

Description

Output and render functions for using D3Plus within Shiny applications and interactive Rmd documents.

Usage

```
d3plusOutput(outputId, width = "100%", height = "400px")
```

```
renderD3plus(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 D3Plus object
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.

d3p_data

Pass a tibble or data frame to 'D3Plus' objects

Description

This function provides a 1:1 translation between tibble-like objects in R and JSON structured data needed by 'D3Plus' to display a treemap, barchart or any other 'D3Plus' method. This function is useless if d3plus() is not called first.

d3p_id

Defines the ids (such as axis) that 'D3Plus' objects require

Description

This function provides a 1:1 translation between column names in an R tibble-like object and ids that 'D3Plus' needs to draw axis, bars, areas, etc. This function is useless if d3plus() is not called first.

d3p_links	<i>Defines 'D3Plus' axis for network method</i>
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Description

'D3Plus' networks require to specify nodes and links in order to work. This function is useless if d3plus() is not called first.

d3p_nodes	<i>Defines 'D3Plus' axis for network method</i>
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Description

'D3Plus' networks require to specify nodes and links in order to work. This function is useless if d3plus() is not called first.

d3p_type	<i>Defines the 'D3Plus' method to use</i>
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Description

This function defines if the program will display a treemap, a barchart, an horizontal barchart or other 'D3Plus' method. This function is useless if d3plus() is not called first.

d3p_x	<i>Defines 'D3Plus' axis for some methods</i>
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Description

Some 'D3Plus' methods such as barchart require to display which variable to display on the x and y axis, and this function specifies that. This function is useless if d3plus() is not called first.

d3p_y	<i>Defines 'D3Plus' axis for some methods</i>
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Description

Some 'D3Plus' methods such as barchart require to display which variable to display on the x and y axis, and this function specifies that. This function is useless if d3plus() is not called first.

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