Package ‘d3plus’

Type Package
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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>.
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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)

Mauricio Vargas

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")

Description

d3plus-exports

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

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d3plus-exports

d3plus exported operators and S3 methods

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Description

d3plus-exports

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**d3plus-shiny**  
*Shiny bindings for ‘D3Plus’*

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**Description**

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

**Usage**

```r
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.

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**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.

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**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  Defines 'D3Plus' axis for network method

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  Defines 'D3Plus' axis for network method

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  Defines the 'D3Plus' method to use

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  Defines 'D3Plus' axis for some methods

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  Defines 'D3Plus' axis for some methods

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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