

Package: obsplot (via r-universe)

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Type Package

Title Create Charts with 'Observable Plot'

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Description Creation of charts with the 'Observable Plot' 'JavaScript' library.

VignetteBuilder knitr

URL <https://juba.github.io/obsplot/>

BugReports <https://github.com/juba/obsplot/issues>

License GPL (>=3)

Encoding UTF-8

LazyData true

Enhances shiny

Imports htmlwidgets, jsonlite, purrr, rlang

Suggests palmerpenguins, knitr, dplyr, stringr, rmarkdown, testthat (>= 3.0.0)

RoxygenNote 7.1.2

Roxygen list(markdown = TRUE)

Depends R (>= 4.1)

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Contents

aapl	3
alphabet	3
anscombe_obs	4
as_data	4
athletes	5
barley	5
bls	6
bls_unemployment	6
caltrain	7
civilizations	7
congress	8
crimea	8
diamonds_obs	9
dji	9
driving	10
facet	10
gistemp	11
income	11
iowa	12
mark_area	12
mark_frame	13
mark_function	14
mark_svg	14
metros	15
mobydick1	15
obsplot	16
obsplot-shiny	16
opts	17
popchange	17
povcalnet	18
riaa	18
scale_color	19
seattle	19
sfcases	20
sftemp	20
simpsons	21
stateage	21
stocks	22
style	22
to_js_date	23
transform_bin	23
transform_mapX	24
transform_normalizeX	24
transform_selectFirst	25
transform_windowX	25
travelers	26

aapl

3

trends2020

26

unemployment

27

Index

28

aapl	Sample data from Observable Plot documentation examples
------	---

Description

Sample data from Observable Plot documentation examples

Usage

aapl

Format

An object of class spec_tbl_df (inherits from tbl_df, tbl, data.frame) with 1260 rows and 7 columns.

Source

<https://observablehq.com/@observablehq/plot-area>

alphabet	Sample data from Observable Plot documentation examples
----------	---

Description

Sample data from Observable Plot documentation examples

Usage

alphabet

Format

An object of class spec_tbl_df (inherits from tbl_df, tbl, data.frame) with 26 rows and 2 columns.

Source

<https://observablehq.com/@observablehq/plot-dot>

anscombe_obs	<i>Sample data from Observable Plot documentation examples</i>
--------------	--

Description

Sample data from Observable Plot documentation examples

Usage

```
anscombe_obs
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 44 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-facets>

as_data	<i>Tells obsplot that a single value is a vector channel, and must be converted to an Array in JavaScript</i>
---------	---

Description

Tells obsplot that a single value is a vector channel, and must be converted to an Array in JavaScript

Usage

```
as_data(x)
```

Arguments

x	the object to be considered as a vector channel
---	---

athletes*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
athletes
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 11538 rows and 12 columns.

Source

<https://observablehq.com/@observablehq/plot-bin>

barley*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
barley
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 120 rows and 4 columns.

Source

<https://observablehq.com/@observablehq/plot-facets>

`bls`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage`bls`**Format**

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 1708 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-area>

`bls_unemployment`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage`bls_unemployment`**Format**

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 7470 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-line>

caltrain*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
caltrain
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 78 rows and 7 columns.

Source

<https://observablehq.com/@observablehq/plot-text>

civilizations*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
civilizations
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 51 rows and 7 columns.

Source

<https://observablehq.com/@observablehq/plot-bar>

congress

Sample data from Observable Plot documentation examples

Description

Sample data from Observable Plot documentation examples

Usage

congress

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 887 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-stack>

crimea

Sample data from Observable Plot documentation examples

Description

Sample data from Observable Plot documentation examples

Usage

crimea

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 72 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-stack>

diamonds_obs*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

diamonds_obs

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 53940 rows and 2 columns.

Source

<https://observablehq.com/@observablehq/plot-dot>

dji*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

dji

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 5080 rows and 7 columns.

Source

<https://observablehq.com/@observablehq/plot-cell>

driving

Sample data from Observable Plot documentation examples

Description

Sample data from Observable Plot documentation examples

Usage

driving

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 55 rows and 4 columns.

Source

<https://observablehq.com/@observablehq/plot-dot>

facet

Add a facet to an obsplot

Description

Add a facet to an obsplot

Usage

```
facet(g, data = NULL, ...)
```

Arguments

<code>g</code>	an obsplot object
<code>data</code>	optional data
<code>...</code>	options passed to define the facet

`gistemp`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
gistemp
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 1644 rows and 2 columns.

Source

<https://observablehq.com/@observablehq/plot-dot>

`income`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
income
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 49 rows and 4 columns.

Source

<https://observablehq.com/@observablehq/plot-link>

`iowa`

*Sample data from Observable Plot documentation examples***Description**

Sample data from Observable Plot documentation examples

Usage`iowa`**Format**

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 171 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-stack>

`mark_area`

*Add a mark to an obsplot***Description**

Add a mark to an obsplot

Usage`mark_area(g, ...)``mark_areaX(g, ...)``mark_areaY(g, ...)``mark_barX(g, ...)``mark_barY(g, ...)``mark_cell(g, ...)``mark_cellX(g, ...)``mark_cellY(g, ...)``mark_dot(g, ...)`

mark_dotX(g, ...)
mark_dotY(g, ...)
mark_line(g, ...)
mark_lineX(g, ...)
mark_lineY(g, ...)
mark_link(g, ...)
mark_rect(g, ...)
mark_rectX(g, ...)
mark_rectY(g, ...)
mark_ruleX(g, ...)
mark_ruleY(g, ...)
mark_text(g, ...)
mark_textX(g, ...)
mark_textY(g, ...)
mark_tickX(g, ...)
mark_tickY(g, ...)
mark_image(g, ...)

Arguments

g	an obsplot object
...	named options passed to define the mark
	... arguments can accept at most two unnamed arguments : a data object and a call to a transform function.

Description

Add a decoration mark to an obsplot

Usage

```
mark_frame(g, fill = "none", ...)
```

Arguments

- g an obsplot object
- fill fill CSS color
- ... options passed to define the mark

mark_function	<i>Add a render function mark to an obsplot</i>
---------------	---

Description

Add a render function mark to an obsplot

Usage

```
mark_function(g, f, ...)
```

Arguments

- g an obsplot object
- f render function, defined with `htmlwidgets::JS()`
- ... options passed to define the mark

mark_svg	<i>Add an SVG element to an obsplot</i>
----------	---

Description

Add an SVG element to an obsplot

Usage

```
mark_svg(g, svg, ...)
```

Arguments

- g an obsplot object
- svg SVG to add, as a character string
- ... options passed to define the mark

`metros`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
metros
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 195 rows and 10 columns.

Source

<https://observablehq.com/@observablehq/plot-link>

`mobydick1`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
mobydick1
```

Format

An object of class `character` of length 9622.

Source

<https://observablehq.com/@observablehq/plot-group>

obsplot	<i>Create a new obsplot</i>
---------	-----------------------------

Description

Create a new obsplot

Usage

```
obsplot(
  data = NULL,
  width = "auto",
  height = "auto",
  menu = getOption("obsplot_menu"),
  elementId = NULL,
  ...
)
```

Arguments

data	optional data.frame as primary data source
width	plot width. Use NULL to let Plot decide, or "auto" to let htmlwidgets decide
height	plot height. Use NULL to let Plot decide, or "auto" to let htmlwidgets decide
menu	if TRUE, display a gear menu aside the plot with additional features. Can be set globally with options("obsplot_menu")
elementId	optional custom element id, passed to createWidget()
...	named options passed to Observable Plot

obsplot-shiny	<i>Shiny bindings for obsplot</i>
---------------	-----------------------------------

Description

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

Usage

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

renderObsplot(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 obsplot
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.

opts	<i>Define an obsplot options</i>
------	----------------------------------

Description

Define an obsplot options

Usage

```
opts(g, ...)
```

Arguments

g	an obsplot object
...	named options

popchange	<i>Sample data from Observable Plot documentation examples</i>
-----------	--

Description

Sample data from Observable Plot documentation examples

Usage

```
popchange
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 52 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-bar>

povcalnet

Sample data from Observable Plot documentation examples

Description

Sample data from Observable Plot documentation examples

Usage

povcalnet

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 173 rows and 32 columns.

Source

<https://observablehq.com/@observablehq/plot-rect>

riaa

Sample data from Observable Plot documentation examples

Description

Sample data from Observable Plot documentation examples

Usage

riaa

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 1081 rows and 4 columns.

Source

<https://observablehq.com/@observablehq/plot-stack>

scale_color	<i>Define an obsplot scale options</i>
-------------	--

Description

Define an obsplot scale options

Usage

```
scale_color(g, ...)  
  
scale_opacity(g, ...)  
  
scale_r(g, ...)  
  
scale_x(g, ...)  
  
scale_y(g, ...)  
  
scale_fx(g, ...)  
  
scale_fy(g, ...)
```

Arguments

g	an obsplot object
...	named scale options

seattle	<i>Sample data from Observable Plot documentation examples</i>
---------	--

Description

Sample data from Observable Plot documentation examples

Usage

```
seattle
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 1461 rows and 6 columns.

Source

<https://observablehq.com/@observablehq/plot-cell>

`sfcases`*Sample data from Observable Plot changelog*

Description

Sample data from Observable Plot changelog

Usage

`sfcases`

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 1797 rows and 5 columns.

Source

<https://observablehq.com/@visnup/sf-covid-data>

`sftemp`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

`sftemp`

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 732 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-area>

`simpsons`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
simpsons
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 600 rows and 13 columns.

Source

<https://observablehq.com/@observablehq/plot-cell>

`stateage`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
stateage
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 468 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-dot>

`stocks`

Sample data from Observable Plot documentation examples

Description

Sample data from Observable Plot documentation examples

Usage

```
stocks
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 5040 rows and 8 columns.

Source

<https://observablehq.com/@observablehq/plot-line>

`style`

Define an obsplot style options

Description

Define an obsplot style options

Usage

```
style(g, ...)
```

Arguments

<code>g</code>	an obsplot object
<code>...</code>	named style options

to_js_date	<i>Convert a Date or POSIXt object to a JS Date format</i>
------------	--

Description

Convert a Date or POSIXt object to a JS Date format

Usage

```
to_js_date(date)
```

Arguments

date	object to be converted
------	------------------------

Value

Numeric value representing the number of milliseconds between Unix Epoch (1 January 1970 UTC) and date.

transform_bin	<i>Define an Observable Plot transform with outputs and options</i>
---------------	---

Description

Define an Observable Plot transform with outputs and options

Usage

```
transform_bin(...)
```

```
transform_binX(...)
```

```
transform_binY(...)
```

```
transform_group(...)
```

```
transform_groupX(...)
```

```
transform_groupY(...)
```

```
transform_groupZ(...)
```

```
transform_map(...)
```

Arguments

... transform outputs and options

Details

the first argument passed to the function is passed as outputs to the JavaScript transform. It can be a single value or a list.

transform_mapX	<i>Define an Observable Plot transform with map and options</i>
----------------	---

Description

Define an Observable Plot transform with map and options

Usage

```
transform_mapX(map, ...)
```

```
transform_mapY(map, ...)
```

Arguments

map	a map method name
...	transform options

transform_normalizeX	<i>Define an Observable Plot transform with basis and options</i>
----------------------	---

Description

Define an Observable Plot transform with basis and options

Usage

```
transform_normalizeX(basis = NULL, ...)
```

```
transform_normalizeY(basis = NULL, ...)
```

Arguments

basis	a basis method name
...	transform options

transform_selectFirst *Define an Observable Plot transform options only*

Description

Define an Observable Plot transform options only

Usage

transform_selectFirst(...)

transform_selectLast(...)

transform_selectMinX(...)

transform_selectMaxX(...)

transform_selectMinY(...)

transform_selectMaxY(...)

Arguments

... transform options

transform_windowX *Define an Observable Plot transform with two options objects*

Description

Define an Observable Plot transform with two options objects

Usage

transform_windowX(spec = NULL, ...)

transform_windowY(spec = NULL, ...)

transform_stackY(spec = NULL, ...)

transform_stackY1(spec = NULL, ...)

transform_stackY2(spec = NULL, ...)

transform_stackX(spec = NULL, ...)

```
transform_stackX1(spec = NULL, ...)
```

```
transform_stackX2(spec = NULL, ...)
```

Arguments

spec	specific options
...	transform options

travelers	<i>Sample data from Observable Plot documentation examples</i>
-----------	--

Description

Sample data from Observable Plot documentation examples

Usage

```
travelers
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 300 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-text>

trends2020	<i>Sample data from Observable Plot changelog</i>
------------	---

Description

Sample data from Observable Plot changelog

Usage

```
trends2020
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 3392 rows and 7 columns.

Source

<https://observablehq.com/@ben-tanen/the-relentless-2020-news-cycle-in-one-chart>

`unemployment`*Sample data from Observable Plot documentation examples*

Description

Sample data from Observable Plot documentation examples

Usage

```
unemployment
```

Format

An object of class `spec_tbl_df` (inherits from `tbl_df`, `tbl`, `data.frame`) with 1708 rows and 3 columns.

Source

<https://observablehq.com/@observablehq/plot-stack>

Index

* datasets

- aapl, [3](#)
- alphabet, [3](#)
- anscombe_obs, [4](#)
- athletes, [5](#)
- barley, [5](#)
- bls, [6](#)
- bls_unemployment, [6](#)
- caltrain, [7](#)
- civilizations, [7](#)
- congress, [8](#)
- crimea, [8](#)
- diamonds_obs, [9](#)
- dji, [9](#)
- driving, [10](#)
- gistemp, [11](#)
- income, [11](#)
- iowa, [12](#)
- metros, [15](#)
- mobydick1, [15](#)
- popchange, [17](#)
- povcalnet, [18](#)
- riaa, [18](#)
- seattle, [19](#)
- sfcases, [20](#)
- sftemp, [20](#)
- simpsons, [21](#)
- stateage, [21](#)
- stocks, [22](#)
- travelers, [26](#)
- trends2020, [26](#)
- unemployment, [27](#)

- aapl, [3](#)
- alphabet, [3](#)
- anscombe_obs, [4](#)
- as_data, [4](#)
- athletes, [5](#)
- barley, [5](#)
- bls, [6](#)
- bls_unemployment, [6](#)
- caltrain, [7](#)
- civilizations, [7](#)
- congress, [8](#)
- crimea, [8](#)
- diamonds_obs, [9](#)
- dji, [9](#)
- driving, [10](#)
- facet, [10](#)
- gistemp, [11](#)
- income, [11](#)
- iowa, [12](#)
- mark_area, [12](#)
- mark_areaX (mark_area), [12](#)
- mark_areaY (mark_area), [12](#)
- mark_barX (mark_area), [12](#)
- mark_barY (mark_area), [12](#)
- mark_cell (mark_area), [12](#)
- mark_cellX (mark_area), [12](#)
- mark_cellY (mark_area), [12](#)
- mark_dot (mark_area), [12](#)
- mark_dotX (mark_area), [12](#)
- mark_dotY (mark_area), [12](#)
- mark_frame, [13](#)
- mark_function, [14](#)
- mark_image (mark_area), [12](#)
- mark_line (mark_area), [12](#)
- mark_lineX (mark_area), [12](#)
- mark_lineY (mark_area), [12](#)
- mark_link (mark_area), [12](#)
- mark_rect (mark_area), [12](#)
- mark_rectX (mark_area), [12](#)
- mark_rectY (mark_area), [12](#)
- mark_ruleX (mark_area), [12](#)

mark_ruleY (mark_area), 12
mark_svg, 14
mark_text (mark_area), 12
mark_textX (mark_area), 12
mark_textY (mark_area), 12
mark_tickX (mark_area), 12
mark_tickY (mark_area), 12
metros, 15
mobydick1, 15

obsplot, 16
obsplot-shiny, 16
obsplotOutput (obsplot-shiny), 16
opts, 17

popchange, 17
povcalnet, 18

renderObsplot (obsplot-shiny), 16
riaa, 18

scale_color, 19
scale_fx (scale_color), 19
scale_fy (scale_color), 19
scale_opacity (scale_color), 19
scale_r (scale_color), 19
scale_x (scale_color), 19
scale_y (scale_color), 19
seattle, 19
sfcases, 20
sftemp, 20
simpsons, 21
stateage, 21
stocks, 22
style, 22

to_js_date, 23
transform_bin, 23
transform_binX (transform_bin), 23
transform_binY (transform_bin), 23
transform_group (transform_bin), 23
transform_groupX (transform_bin), 23
transform_groupY (transform_bin), 23
transform_groupZ (transform_bin), 23
transform_map (transform_bin), 23
transform_mapX, 24
transform_mapY (transform_mapX), 24
transform_normalizeX, 24
transform_normalizeY
 (transform_normalizeX), 24

transform_selectFirst, 25
transform_selectLast
 (transform_selectFirst), 25
transform_selectMaxX
 (transform_selectFirst), 25
transform_selectMaxY
 (transform_selectFirst), 25
transform_selectMinX
 (transform_selectFirst), 25
transform_selectMinY
 (transform_selectFirst), 25
transform_stackX (transform_windowX), 25
transform_stackX1 (transform_windowX),
 25
transform_stackX2 (transform_windowX),
 25
transform_stackY (transform_windowX), 25
transform_stackY1 (transform_windowX),
 25
transform_stackY2 (transform_windowX),
 25
transform_windowX, 25
transform_windowY (transform_windowX),
 25
travelers, 26
trends2020, 26

unemployment, 27