

Package ‘visachartR’

January 20, 2023

Version 2.2.0

Date 2023-01-17

Title Wrapper for 'Visa Chart Components'

Description Provides a set of wrapper functions for 'Visa Chart Components'.
'Visa Chart Components' <<https://github.com/visa/visa-chart-components>> is an accessibility focused, framework agnostic set of data experience design systems components for the web.

BugReports <https://github.com/visa/visa-chart-components/issues>

License MIT + file LICENSE

URL <https://github.com/visa/visa-chart-components/tree/master/packages/charts-R>

Language en-US

Encoding UTF-8

RoxygenNote 7.2.3

Imports htmlwidgets

Suggests dplyr, knitr, rmarkdown, tibble, tidyverse

NeedsCompilation no

Author Christopher DeMartini [aut, cre],
Jaime Tanner [aut],
Stephanie Modica [aut],
Frank Elavsky [aut],
Wojtek Kostecki [ctb],
Visa Data Experience Team [aut, fnd],
Visa, Inc. [cph]

Maintainer Christopher DeMartini <chris.demartini.npm@gmail.com>

Repository CRAN

Date/Publication 2023-01-20 22:20:02 UTC

R topics documented:

alluvial_diagram	2
bar_chart	4
circle_packing	5
clustered_bar_chart	6
dumbbell_plot	8
heat_map	9
line_chart	10
parallel_plot	11
pie_chart	13
scatter_plot	14
stacked_bar_chart	15
visaChart	17
visaChart-shiny	17
visaNodeLinkChart	18
visaNodeLinkChart-shiny	19
world_map	19

Index	22
--------------	-----------

alluvial_diagram	<i>alluvial_diagram</i>
------------------	-------------------------

Description

R wrapper for [@visa/alluvial-diagram](#) via [htmlwidgets](#).

Here is an example of alluvial-diagram in action:

Usage

```
alluvial_diagram(
  linkData,
  nodeData = NULL,
  sourceAccessor,
  targetAccessor,
  valueAccessor,
  nodeIDAccessor = "",
  groupAccessor = "",
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

linkData	required to be a valid, R data frame. Data used to create links in diagram, an array of objects which includes keys that map to chart accessors. See d3-sankey for additional detail on data requirements.
nodeData	required to be a valid, R data frame. Optional. Data used to create nodes in diagram, an array of objects which includes key that map to chart accessors. See d3-sankey for additional detail on data requirements.
sourceAccessor	String. Key used to determine link's source, must be a node.
targetAccessor	String. Key used to determine link's target, must be a node.
valueAccessor	String. Key used to determine link (and ultimately node size).
nodeIDAccessor	String. Key used to determine unique node identifiers. Requires nodeData to be populated.
groupAccessor	String. Key used to determine link's group or category.
mainTitle	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
subTitle	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
accessibility	List(). Manages messages and settings for chart accessibility, see object definition
props	List(). A valid R list with additional property configurations, see all props for @visa/alluvial-diagram
...	All other props passed into the function will be passed through to the chart, see all props for @visa/alluvial-diagram .

Details

To see all available options for the chart properties/API see [@visa/alluvial-diagram](#).

Value

a `visaNodeLinkChart` htmlwidget object for plotting an alluvial diagram

Examples

```
library(tidyverse)
data.frame(HairEyeColor) %>%
  filter(Sex=="Female") %>%
  mutate(newHair = paste(Hair, "-Hair")) %>%
  mutate(newEye = paste(Eye, "-Eye")) %>%
  alluvial_diagram(sourceAccessor = "newHair", targetAccessor = "newEye", valueAccessor = "Freq")
```

 bar_chart

bar_chart

Description

R wrapper for [@visa/bar-chart](#) via [htmlwidgets](#).

Here is an example of bar-chart in action:

Usage

```
bar_chart(
  data,
  ordinalAccessor,
  valueAccessor,
  groupAccessor = "",
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

data	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
ordinalAccessor	String. Key used to determine bar's categorical property. (similar to x in ggplot)
valueAccessor	String. Key used to determine bar's numeric property. (similar to y in ggplot)
groupAccessor	String. Key used to determine bar group encoding (e.g., color/texture).
mainTitle	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
subTitle	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
accessibility	List(). Manages messages and settings for chart accessibility, see object definition
props	List(). A valid R list with additional property configurations, see all props for @visa/bar-chart
...	All other props passed into the function will be passed through to the chart, see all props for @visa/bar-chart .

Details

To see all available options for the chart properties/API see [@visa/bar-chart](#).

Value

a `visaChart` `htmlwidget` object for plotting a bar chart

Examples

```
library(tidyverse)
bar_chart(BOD, "Time", "demand")
mtcars %>%
  sample_n(5) %>%
  tibble::rownames_to_column() %>%
  bar_chart("rowname", "mpg")
```

circle_packing	<i>circle_packing</i>
----------------	-----------------------

Description

R wrapper for [@visa/circle-packing](#) via `htmlwidgets`.

Here is an example of circle-packing in action:

Usage

```
circle_packing(
  data,
  nodeAccessor,
  parentAccessor,
  sizeAccessor,
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

<code>data</code>	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors. See d3-hierarchy.stratify() for additional detail on data requirements.
<code>nodeAccessor</code>	String. Key used to determine circle's child, must be a unique child.
<code>parentAccessor</code>	String. Key used to determine circle's parent.
<code>sizeAccessor</code>	String. Key used to determine circle size.
<code>mainTitle</code>	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>subTitle</code>	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.

accessibility	List(). Manages messages and settings for chart accessibility, see object definition
props	List(). A valid R list with additional property configurations, see all props for @visa/circle-packing
...	All other props passed into the function will be passed through to the chart, see all props for @visa/circle-packing .

Details

To see all available options for the chart properties/API see [@visa/circle-packing](#).

Value

a visaChart htmlwidget object for plotting a circle packing plot

Examples

```
library(dplyr)
data.frame(parent = c(NA, "A", "A", "C", "C"),
           node = c("A", "B", "C", "D", "E"),
           size = c(NA, 8L, 7L, 6L, 5L)) %>%
  circle_packing("node", "parent", "size",
                accessibility = list(hideTextures = TRUE,
                                    hideDataTableButton = TRUE))

library(tidyverse)
data.frame(Orange) %>%
  mutate(age = as.character(age)) %>%
  bind_rows(data.frame(Tree = c(rep("Trees", 5), NA),
                        age = c(1:5, "Trees"))) %>%
  circle_packing("age", "Tree", "circumference",
                accessibility=list(hideTextures = TRUE,
                                  includeDataKeyNames = TRUE,
                                  hideDataTableButton = TRUE))
```

clustered_bar_chart *clustered_bar_chart*

Description

R wrapper for [@visa/clustered-bar-chart](#) via [htmlwidgets](#).

Here is an example of clustered-bar-chart in action:

Usage

```
clustered_bar_chart(
  data,
  ordinalAccessor,
  valueAccessor,
```

```

    groupAccessor,
    mainTitle = "",
    subTitle = "",
    accessibility = list(),
    props = list(),
    ...
  )

```

Arguments

<code>data</code>	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
<code>ordinalAccessor</code>	String. Key used to determine bar's categorical property, within groups. (similar to <code>x</code> in <code>ggplot</code>)
<code>valueAccessor</code>	String. Key used to determine bar's numeric property. (similar to <code>y</code> in <code>ggplot</code>)
<code>groupAccessor</code>	String. Key used to determine bar clusters.
<code>mainTitle</code>	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>subTitle</code>	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>accessibility</code>	List(). Manages messages and settings for chart accessibility, see object definition
<code>props</code>	List(). A valid R list with additional property configurations, see all props for @visa/clustered-bar-chart
<code>...</code>	All other props passed into the function will be passed through to the chart, see all props for @visa/clustered-bar-chart .

Details

To see all available options for the chart properties/API see [@visa/clustered-bar-chart](#).

Value

a `visaChart` `htmlwidget` object for plotting a clustered bar chart

Examples

```

library(tidyverse)
data.frame(UCBAdmissions) %>%
  filter(Admit == "Rejected") %>%
  clustered_bar_chart("Gender", "Freq", "Dept")

```

dumbbell_plot

dumbbell_plot

Description

R wrapper for [@visa/dumbbell-plot](#) via [htmlwidgets](#).

Here is an example of dumbbell-plot in action:

Usage

```
dumbbell_plot(
  data,
  ordinalAccessor,
  valueAccessor,
  seriesAccessor,
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

data	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
ordinalAccessor	String. Key used to determine dumbbell's categorical property. (similar to x in ggplot)
valueAccessor	String. Key used to determine dumbbell's numeric property. (similar to y in ggplot)
seriesAccessor	String. Key used to determine dumbbell's series.
mainTitle	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
subTitle	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
accessibility	List(). Manages messages and settings for chart accessibility, see object definition
props	List(). A valid R list with additional property configurations, see all props for @visa/dumbbell-plot
...	All other props passed into the function will be passed through to the chart, see all props for @visa/dumbbell-plot .

Details

To see all available options for the chart properties/API see [@visa/dumbbell-plot](#).

Value

a visaChart htmlwidget object for plotting a dumbbell plot

Examples

```
library(tidyverse)
data.frame(UCBAdmissions) %>%
  filter(Admit == "Rejected") %>%
  dumbbell_plot("Dept", "Freq", "Gender")
```

heat_map

heat_map

Description

R wrapper for [@visa/heat-map](#) via `htmlwidgets`.

Here is an example of heat-map in action:

Usage

```
heat_map(
  data,
  xAccessor,
  yAccessor,
  valueAccessor,
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

data	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
xAccessor	String. Key used to determine the x-axis categorical value. (similar to x in ggplot)
yAccessor	String. Key used to determine the y-axis categorical value. (similar to y in ggplot)
valueAccessor	String. Key used to determine heatmap's numeric property, for assigning color.

mainTitle	String. The dynamic tag of title for the map (or you can create your own separately). See highestHeadingLevel prop for how tags get assigned.
subTitle	String. The dynamic tag for a sub title for the map (or you can create your own separately). See highestHeadingLevel prop for how tags get assigned.
accessibility	List(). Manages messages and settings for chart accessibility, see object definition
props	List(). A valid R list with additional property configurations, see all props for @visa/heat-map
...	All other props passed into the function will be passed through to the chart, see all props for @visa/heat-map .

Details

To see all available options for the chart properties/API see [@visa/heat-map](#).

Value

a visaChart htmlwidget object for plotting a heat map

Examples

```
library(tidyverse)
data.frame(UCBAdmissions) %>%
  filter(Admit == "Rejected") %>%
  heat_map("Dept", "Gender", "Freq")
```

line_chart

line_chart

Description

R wrapper for [@visa/line-chart](#) via [htmlwidgets](#).

Here is an example of line-chart in action:

Usage

```
line_chart(
  data,
  ordinalAccessor,
  valueAccessor,
  seriesAccessor,
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

data	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
ordinalAccessor	String. Key used to determine line's categorical property. (similar to x in ggplot)
valueAccessor	String. Key used to determine line's numeric property. (similar to y in ggplot)
seriesAccessor	String. Key used to determine series (e.g., color/texture).
mainTitle	String. The dynamic tag of title for the map (or you can create your own separately). See highestHeadingLevel prop for how tags get assigned.
subTitle	String. The dynamic tag for a sub title for the map (or you can create your own separately). See highestHeadingLevel prop for how tags get assigned.
accessibility	List(). Manages messages and settings for chart accessibility, see object definition
props	List(). A valid R list with additional property configurations, see all props for @visa/line-chart
...	All other props passed into the function will be passed through to the chart, see all props for @visa/line-chart .

Details

To see all available options for the chart properties/API see [@visa/line-chart](#).

Value

a visaChart htmlwidget object for plotting a line chart

Examples

```
library(dplyr)
ChickWeight %>%
  filter(Chick==1 | Chick == 4) %>%
  line_chart("Time", "weight", "Chick",
            showBaselineX=FALSE,
            xAxis=list(label="Time",format="0a", visible=TRUE),
            yAxis=list(label="Weight", visible=TRUE, gridVisible=TRUE),
            mainTitle = "Selected chick weight over time")
```

parallel_plot

parallel_plot

Description

R wrapper for [@visa/parallel-plot](#) via [htmlwidgets](#).

Here is an example of parallel-plot in action:

Usage

```
parallel_plot(
  data,
  ordinalAccessor,
  valueAccessor,
  seriesAccessor,
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

<code>data</code>	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
<code>ordinalAccessor</code>	String. Key used to determine line's categorical property. (similar to x in ggplot)
<code>valueAccessor</code>	String. Key used to determine line's numeric property. (similar to y in ggplot)
<code>seriesAccessor</code>	String. Key used to determine series (e.g., color/texture).
<code>mainTitle</code>	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>subTitle</code>	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>accessibility</code>	List(). Manages messages and settings for chart accessibility, see object definition
<code>props</code>	List(). A valid R list with additional property configurations, see all props for @visa/parallel-plot
<code>...</code>	All other props passed into the function will be passed through to the chart, see all props for @visa/parallel-plot .

Details

To see all available options for the chart properties/API see [@visa/parallel-plot](#).

Value

a `visaChart` `htmlwidget` object for plotting a parallel plot

Examples

```
library(dplyr)
ChickWeight %>%
  filter(Chick==1 | Chick == 4) %>%
  parallel_plot("Time", "weight", "Chick",
               showBaselineX=FALSE,
```

```
xAxis=list(label="Time",format="%0a", visible=TRUE),
yAxis=list(label="Weight", visible=FALSE, gridVisible=FALSE),
mainTitle = "Selected chick weight over time",
dataLabel=list(visible = TRUE,
               labelAccessor = "weight",
               placement = "bottom-right",
               format = "%0a"))
```

pie_chart

pie_chart

Description

R wrapper for [@visa/pie-chart](#) via [htmlwidgets](#).

Here is an example of pie-chart in action:

Usage

```
pie_chart(
  data,
  ordinalAccessor,
  valueAccessor,
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

data	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
ordinalAccessor	String. Key used to determine chart's categorical property.
valueAccessor	String. Key used to determine chart's numeric property.
mainTitle	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
subTitle	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
accessibility	List(). Manages messages and settings for chart accessibility, see object definition
props	List(). A valid R list with additional property configurations, see all props for @visa/pie-chart
...	All other props passed into the function will be passed through to the chart, see all props for @visa/pie-chart .

Details

To see all available options for the chart properties/API see [@visa/pie-chart](#).

Value

a visaChart htmlwidget object for plotting a pie chart

Examples

```
library(tidyverse)
data.frame (HairEyeColor) %>%
  filter(Hair=="Blond", Sex=="Male") %>%
  mutate(blueEyes = if_else(Eye=="Blue", "Blue","Other")) %>%
  group_by(blueEyes, Hair, Sex) %>%
  summarise(FreqSum=sum(Freq), n=n()) %>%
  pie_chart(
    "blueEyes",
    "FreqSum",
    mainTitle="How many males with Blonde hair have Blue eyes?",
    sortOrder="desc"
  )
```

 scatter_plot

scatter_plot

Description

R wrapper for [@visa/scatter-plot](#) via [htmlwidgets](#).

Here is an example of scatter-plot in action:

Usage

```
scatter_plot(
  data,
  xAccessor,
  yAccessor,
  groupAccessor = "",
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

<code>data</code>	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
<code>xAccessor</code>	String. Key used to determine each point's position along the x-axis.
<code>yAccessor</code>	String. Key used to determine each point's position along the y-axis.
<code>groupAccessor</code>	String. Key used to determine bar group encoding (e.g., color/texture).
<code>mainTitle</code>	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>subTitle</code>	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>accessibility</code>	List(). Manages messages and settings for chart accessibility, see object definition
<code>props</code>	List(). A valid R list with additional property configurations, see all props for @visa/scatter-plot
<code>...</code>	All other props passed into the function will be passed through to the chart, see all props for @visa/scatter-plot .

Details

To see all available options for the chart properties/API see [@visa/scatter-plot](#).

Value

a `visaChart` `htmlwidget` object for plotting a scatter plot

Examples

```
library(tidyverse)
scatter_plot(mtcars[order(mtcars$cyl),], "wt", "mpg", "cyl")
```

`stacked_bar_chart` *stacked_bar_chart*

Description

R wrapper for [@visa/stacked-bar-chart](#) via `htmlwidgets`.

Here is an example of stacked-bar-chart in action:

Usage

```
stacked_bar_chart(
  data,
  ordinalAccessor,
  valueAccessor,
  groupAccessor,
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)
```

Arguments

<code>data</code>	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
<code>ordinalAccessor</code>	String. Key used to determine bar's categorical property, within groups. (similar to <code>x</code> in <code>ggplot</code>)
<code>valueAccessor</code>	String. Key used to determine bar's numeric property. (similar to <code>y</code> in <code>ggplot</code>)
<code>groupAccessor</code>	String. Key used to determine bar clusters.
<code>mainTitle</code>	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>subTitle</code>	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>accessibility</code>	List(). Manages messages and settings for chart accessibility, see object definition
<code>props</code>	List(). A valid R list with additional property configurations, see all props for @visa/stacked-bar-chart
<code>...</code>	All other props passed into the function will be passed through to the chart, see all props for @visa/stacked-bar-chart .

Details

To see all available options for the chart properties/API see [@visa/stacked-bar-chart](#).

Value

a `visaChart` `htmlwidget` object for plotting a stacked bar chart

Examples

```
library(dplyr)
data.frame(UCBAdmissions) %>%
  filter(Admit == "Rejected") %>%
  stacked_bar_chart("Gender", "Freq", "Dept")
```

visaChart	<i>visa charts 5.0.5</i>
-----------	--------------------------

Description

Visa Chart Components wrapped in r htmlwidgets package

Usage

```
visaChart(tagName, data, propList, width = NULL, height = NULL, ...)
```

Arguments

tagName	String. The custom web component HTML tag for the Visa Chart Component. Set by respective chart functions.
data	a valid R data frame. See more details in respective component functions.
propList	a list of props, created by each component function, see Visa Chart Components .
width	Number. Width of chart container.
height	Number. Height of chart container.
...	All other props passed into the function will be passed through to the chart.

Value

a visaChart htmlwidget object for creating a variety of plot types

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

Description

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

Usage

```
visaChartOutput(outputId, width = "100%", height = "400px")
renderVisaChart(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 visaChart
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.

Value

a Shiny output or render function for visaChart htmlwidgets

visaNodeLinkChart *visa charts 5.0.5*

Description

Visa Chart Components wrapped in r htmlwidgets package

Usage

```
visaNodeLinkChart(
  tagName,
  linkData,
  nodeData,
  propList,
  width = NULL,
  height = NULL,
  ...
)
```

Arguments

tagName	String. The custom web component HTML tag for the Visa Chart Component. Set by respective chart functions.
linkData	a valid R data frame. See more details in respective component functions.
nodeData	a valid R data frame. See more details in respective component functions.
propList	a list of props, created by each component function, see Visa Chart Components .
width	Number. Width of chart container.
height	Number. Height of chart container.
...	All other props passed into the function will be passed through to the chart.

Value

a visaNodeLinkChart htmlwidget object for creating a variety of plot types

 visaNodeLinkChart-shiny

Shiny bindings for visaNodeLinkChart

Description

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

Usage

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

```
rendervisNodeLinkChart(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 visaNodeLinkChart
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.

Value

a Shiny output or render function for visaNodeLinkChart htmlwidgets

 world_map

world_map

Description

R wrapper for [@visa/world-map](#) via [htmlwidgets](#).

Here is an example of world-map in action:

Usage

```

world_map(
  data,
  joinAccessor = "",
  joinNameAccessor = "",
  markerAccessor = "",
  markerNameAccessor = "",
  latitudeAccessor = "",
  longitudeAccessor = "",
  valueAccessor,
  groupAccessor = "",
  mainTitle = "",
  subTitle = "",
  accessibility = list(),
  props = list(),
  ...
)

```

Arguments

<code>data</code>	required to be a valid, R data frame. Data used to create chart, an array of objects which includes keys that map to chart accessors.
<code>joinAccessor</code>	String. Key used to determine country's key property (ISO 3-Digit Code).
<code>joinNameAccessor</code>	String. Key used to determine country's name property.
<code>markerAccessor</code>	String. Key used to determine marker's key property.
<code>markerNameAccessor</code>	String. Key used to determine marker's name property.
<code>latitudeAccessor</code>	String. Key used to determine marker's latitude property.
<code>longitudeAccessor</code>	String. Key used to determine marker's longitude property.
<code>valueAccessor</code>	String. Key used to determine the country/marker's numeric property.
<code>groupAccessor</code>	String. Key used to determine country/marker color.
<code>mainTitle</code>	String. The dynamic tag of title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>subTitle</code>	String. The dynamic tag for a sub title for the map (or you can create your own separately). See <code>highestHeadingLevel</code> prop for how tags get assigned.
<code>accessibility</code>	List(). Manages messages and settings for chart accessibility, see object definition
<code>props</code>	List(). A valid R list with additional property configurations, see all props for @visa/world-map
<code>...</code>	All other props passed into the function will be passed through to the chart, see all props for @visa/world-map .

Details

To see all available options for the chart properties/API see [@visa/world-map](#).

Value

a visaChart htmlwidget object for plotting a world map

Examples

```
library(tidyverse)
quakes %>%
  sample_n(100) %>%
  tibble::rowid_to_column() %>%
  world_map(
    markerAccessor = "rowid",
    latitudeAccessor = "long",
    longitudeAccessor = "lat",
    valueAccessor = "stations",
    markerStyle=list(
      visible=TRUE,
      fill=TRUE,
      opacity=.5,
      radiusRange=c(5,15)
    )
  )
```

Index

alluvial_diagram, [2](#)
bar_chart, [4](#)
circle_packing, [5](#)
clustered_bar_chart, [6](#)
dumbbell_plot, [8](#)
heat_map, [9](#)
line_chart, [10](#)
parallel_plot, [11](#)
pie_chart, [13](#)
renderVisaChart (visaChart-shiny), [17](#)
rendervisaNodeLinkChart
 (visaNodeLinkChart-shiny), [19](#)
scatter_plot, [14](#)
stacked_bar_chart, [15](#)
visaChart, [17](#)
visaChart-shiny, [17](#)
visaChartOutput (visaChart-shiny), [17](#)
visaNodeLinkChart, [18](#)
visaNodeLinkChart-shiny, [19](#)
visaNodeLinkChartOutput
 (visaNodeLinkChart-shiny), [19](#)
world_map, [19](#)