

Package: safetyCharts (via r-universe)

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Title Charts for Monitoring Clinical Trial Safety

Version 0.3.0

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Description Contains chart code for monitoring clinical trial safety.
Charts can be used as standalone output, but are also designed for use with the 'safetyGraphics' package, which makes it easy to load data and customize the charts using an interactive web-based interface created with Shiny.

URL <https://github.com/SafetyGraphics/safetyCharts>

BugReports <https://github.com/SafetyGraphics/safetyCharts/issues>

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Suggests testthat, shinytest, safetyData, safetyGraphics, yaml

Depends R (>= 4.0)

Repository <https://safetygraphics.r-universe.dev>

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aeExplorer

*Make standalone aeExplorer html widget***Description**

Convenience mapping of render_widget for aeExplorer.

Usage

```
aeExplorer(
  data = list(dm = safetyData::sdtm_dm, aes = safetyData::sdtm_ae),
  mapping = NULL,
  ...
)
```

Arguments

data	list Named list of data frames that includes participant-level subject data (dm) and event-level adverse event data (aes).
mapping	list Named list with current data mappings. See details for default mapping.
...	additional options to be added to mapping. Will overwrite mapping.

Details

The **data** and **mapping** should match the specs described in the **aeExplorer** JavaScript library. Items passed in ... are added to mapping, and then the list is converted to JSON via `jsonlite::toJSON(mapping, auto_unbox=TRUE, NULL="NULL")`.

The default mapping shown below is designed to work with data in the CDISC ADaM format (like `safetydata::adam_adlbc`).

```
mapping <- list(
  dm = list(
    id_col = 'USUBJID',
    treatment_col = 'ARM'
  ),
  aes = list(
    id_col = 'USUBJID',
    bodsys_col = 'AEBODSYS',
    term_col = 'AEDECOD'
  )
)
```

Parameters that are not included in the default mapping can be accessed via

For more options see the **full specs** in the JavaScript library.

Examples

```
## Not run:
# Render widget with defaults.
aeExplorer()

# Render widget without stratification.
aeExplorer(
  mapping = list(
    dm = list(
      id_col = 'USUBJID'
```

```

    ),
    aes = list(
      id_col = 'USUBJID',
      bodsys_col = 'AEBODSYS',
      term_col = 'AEDECOD'
    )
  )
)

## End(Not run)

```

demogRTF_server *Demographics Table RTF - UI*

Description

Demographics Table RTF - UI

Usage

```
demogRTF_server(input, output, session, params)
```

Arguments

input	module input
output	module output
session	module session
params	parameters object with data and settings options.

Value

returns shiny module Server function

demogRTF_table *create demographics RTF table*

Description

create demographics RTF table

Usage

```
demogRTF_table(data, settings)
```

Arguments

- `data` demographics data frame with columns specified in settings object
- `settings` list with parameters specifying the column names for:
- `sex` (`settings$sex_col`),
 - `race` (`settings$race_col`)
 - `age` (`settings$age_Col`)

Value

rtf doc object

Examples

```
settings <- list(treatment_col = "ARM", sex_col = "SEX", race_col = "RACE", age_col = "AGE")
demogRTF_table(safetyData::sdtm_dm, settings)
```

demogRTF_ui *Demographics Table RTF - UI*

Description

Demographics Table RTF - UI

Usage

```
demogRTF_ui(id)
```

Arguments

`id` module id

Value

returns shiny module UI

 hepExplorer

Make standalone hepExplorer html widget

Description

Convenience mapping of render_widget for hepExplorer.

Usage

```
hepExplorer(data = safetyData::adam_adlbc, mapping = NULL, ...)
```

Arguments

data	data.frame Data frame containing lab data used to render hepExplorer. Default: safetyData::adam_adlbc
mapping	list named list with the current data mappings. See details for default mapping.
...	additional options to be added to mapping. Will overwrite mapping.

Details

The **data** and **mapping** should match the specs described in the **hepExplorer** javascript library. Items passed in ... are added to mapping, and then the list is converted to json via `jsonlite::toJSON(mapping, auto_unbox=TRUE, null="null")`.

The default mapping shown below is designed to work with data in the CDISC ADaM format (like `safetydata::adam_adlbc`).

```
mapping <- list(
  measure_col = "PARAM",
  measure_values = list(
    ALT = "Alanine Aminotransferase (U/L)",
    AST = "Aspartate Aminotransferase (U/L)",
    TB = "Bilirubin (umol/L)",
    ALP = "Alkaline Phosphatase (U/L)"
  ),
  id_col = "USUBJID",
  value_col = "AVAL",
  normal_col_low = "A1LO",
  normal_col_high = "A1HI",
  studyday_col = "ADY",
  visit_col = "VISIT",
  visitn_col = "VISITNUM"
)
```

Parameters that are not included in the default mapping can be accessed via ...; Key options and defaults for `safetyData::adam_adlbc` shown below:

- `filters`: list of columns to be included as data filters (e.g. `'filters=c("SEX","AGEGR1")'`)
- `group_cols`: list of columns used to define grouping and set point color (e.g. `'filters=c("SEX","AGEGR1")'`)
- `x_options` and `y_options` - specify which labs can be used for x and y axis dropdowns. By default, all options are included on x-axis, but only Bilirubin is shown on y-axis. To allow an interactive y-axis, use `y_options="all"`.
- `baseline` - flag defining the baseline visit for each participant. `baseline` must be provided to enable the mDish view on the hep-explorer chart. Define as a list with `value_col` and `values` (e.g. `baseline=list(value_col="ABLFL", values="Y")`)
- `title` and `warningText` - Strings used to define the header text shown above the filters.

For more options see the [full specs](#) in the javascript library.

Examples

```
## Not run:
# Render widget with defaults
hepExplorer()

# Add age group to default
hepExplorer(group_cols=c("SEX","AGEGR1"))

# Enable interactive y-axis
hepExplorer(y_options='all')

# Use custom mapping for SDTM data
hepExplorer(
  data=safetyData::sdtm_lb,
  measure_col = "LBTEST",
  measure_values = list(
    ALT = "Alanine Aminotransferase",
    AST = "Aspartate Aminotransferase",
    TB = "Bilirubin",
    ALP = "Alkaline Phosphatase"
  ),
  id_col = "USUBJID",
  value_col = "LBSTRESN",
  normal_col_low = "LBORNRL0",
  normal_col_high = "LBORNRI",
  studyday_col = "LBDY",
  visit_col = "VISIT",
  visitn_col = "VISITNUM"
)

## End(Not run)
```

init_aeExplorer	<i>Initialize Settings for Adverse Event Explorer widget</i>
-----------------	--

Description

Initialize Settings for Adverse Event Explorer widget

Usage

```
init_aeExplorer(data, settings)
```

Arguments

data	list Named list of data frames that includes participant-level subject data (dm) and event-level adverse event data (aes).
settings	list Named list of settings.

Value

returns list with data and settings

init_aeTimelines	<i>Initialize Settings for AE Timeline widget</i>
------------------	---

Description

Initialize Settings for AE Timeline widget

Usage

```
init_aeTimelines(data, settings)
```

Arguments

data	adverse events data structured as one record per event. See details for column requirements.
settings	named list of settings

Value

returns list with data and settings

init_cmExplorer	<i>Initialize Settings for Conmeds Explorer widget</i>
-----------------	--

Description

Initialize Settings for Conmeds Explorer widget

Usage

```
init_cmExplorer(data, settings)
```

Arguments

data	Con meds and demographics data. See details for column requirements.
settings	named list of settings

Value

returns list with data and settings

init_mhExplorer	<i>Initialize Settings for Medical History Explorer widget</i>
-----------------	--

Description

Initialize Settings for Medical History Explorer widget

Usage

```
init_mhExplorer(data, settings)
```

Arguments

data	medical history and demographics data.
settings	named list of settings

Value

returns list with data and settings

`init_paneledOutlierExplorer`*Initialize Settings for Paneled Outlier Explorer widget*

Description

Initialize Settings for Paneled Outlier Explorer widget

Usage

```
init_paneledOutlierExplorer(data, settings)
```

Arguments

<code>data</code>	labs data structured as one record per person per visit per measurement. See details for column requirements.
<code>settings</code>	named list of settings

Value

returns list with data and settings

`init_safetyOutlierExplorer`*Initialize Settings for Safety Outlier Explorer widget*

Description

Initialize Settings for Safety Outlier Explorer widget

Usage

```
init_safetyOutlierExplorer(data, settings)
```

Arguments

<code>data</code>	labs data structured as one record per person per visit per measurement. See details for column requirements.
<code>settings</code>	named list of settings

Value

returns list with data and settings

`init_safetyResultsOverTime` *Initialize Settings for Safety Results Over Time widget*

Description

Initialize Settings for Safety Results Over Time widget

Usage

`init_safetyResultsOverTime(data, settings)`

Arguments

<code>data</code>	labs data structured as one record per person per visit per measurement. See details for column requirements.
<code>settings</code>	named list of settings

Value

returns list with data and settings

`init_safetyShiftPlot` *Initialize Settings for Safety Shift Plot widget*

Description

Initialize Settings for Safety Shift Plot widget

Usage

`init_safetyShiftPlot(data, settings)`

Arguments

<code>data</code>	labs data structured as one record per person per visit per measurement. See details for column requirements.
<code>settings</code>	named list of settings

Value

returns list with data and settings

`lab_distribution_server`*lab distribution Module - Server*

Description

A simple server for a shiny module looking at lab histograms. Intended primarily for technical demos.

Usage

```
lab_distribution_server(input, output, session, params)
```

Arguments

<code>input</code>	module input
<code>output</code>	module output
<code>session</code>	module session
<code>params</code>	parameters object with data and settings options.

Value

returns shiny module Server function

`lab_distribution_ui` *Lab distribution Module - UI*

Description

A simple UI for a shiny module looking at lab histograms. Intended primarily for technical demos.

Usage

```
lab_distribution_ui(id)
```

Arguments

<code>id</code>	module id
-----------------	-----------

Value

returns shiny module UI

meta_aes	<i>Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the ae domain. One record per unique data mapping</i>
----------	--

Description

Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the ae domain. One record per unique data mapping

Usage

meta_aes

Format

A data frame with X rows and 10 columns

domain Data domain

text_key Text key indicating the setting name. '--' delimiter indicates a field level data mapping

col_key Key for the column mapping

field_key Key for the field mapping (if any)

type type of mapping - "field" or "column"

label Label

description Description

multiple Mapping supports multiple columns/fields

standard_adam Default values for the ADaM data standard

standard_sdtm Default values for the SDTM data standard

Source

Created for this package

meta_cm	<i>Metadata data frame containing information about the data mapping used to configure safetyGraphics for the Concomitant medications Domain. One record per unique data mapping</i>
---------	--

Description

Metadata data frame containing information about the data mapping used to configure safetyGraphics for the Concomitant medications Domain. One record per unique data mapping

Usage

meta_cm

Format

A data frame with X rows and 10 columns

domain Data domain

text_key Text key indicating the setting name. '--' delimiter indicates a field level data mapping

col_key Key for the column mapping

field_key Key for the field mapping (if any)

type type of mapping - "field" or "column"

label Label

description Description

multiple Mapping supports multiple columns/fields

standard_adam Default values for the ADaM data standard

standard_sdtm Default values for the SDTM data standard

Source

Created for this package

meta_dm	<i>Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the dm domain. One record per unique data mapping</i>
---------	--

Description

Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the dm domain. One record per unique data mapping

Usage

meta_dm

Format

A data frame with X rows and 10 columns

domain Data domain

text_key Text key indicating the setting name. '--' delimiter indicates a field level data mapping

col_key Key for the column mapping

field_key Key for the field mapping (if any)

type type of mapping - "field" or "column"
label Label
description Description
multiple Mapping supports multiple columns/fields
standard_adam Default values for the ADaM data standard
standard_sdtm Default values for the SDTM data standard

Source

Created for this package

meta_ecg	<i>Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the ecg domain. One record per unique data mapping</i>
----------	---

Description

Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the ecg domain. One record per unique data mapping

Usage

meta_ecg

Format

A data frame with 22 rows and 10 columns

domain Data domain
text_key Text key indicating the setting name. '--' delimiter indicates a field level data mapping
col_key Key for the column mapping
field_key Key for the field mapping (if any)
type type of mapping - "field" or "column"
label Label
description Description
multiple Mapping supports multiple columns/fields
standard_adam Default values for the ADaM data standard
standard_sdtm Default values for the SDTM data standard

Source

Created for this package

meta_ex	<i>Metadata data frame containing information about the data mapping used to configure safetyGraphics for the Exposure Domain. One record per unique data mapping</i>
---------	---

Description

Metadata data frame containing information about the data mapping used to configure safetyGraphics for the Exposure Domain. One record per unique data mapping

Usage

meta_ex

Format

A data frame with X rows and 10 columns

domain Data domain

text_key Text key indicating the setting name. '--' delimiter indicates a field level data mapping

col_key Key for the column mapping

field_key Key for the field mapping (if any)

type type of mapping - "field" or "column"

label Label

description Description

multiple Mapping supports multiple columns/fields

standard_adam Default values for the ADaM data standard

standard_sdtm Default values for the SDTM data standard

Source

Created for this package

meta_hepExplorer	<i>Metadata data frame containing information about the data mapping used to configure safetyGraphics for the hepExplorer Chart. One record per unique data mapping</i>
------------------	---

Description

Metadata data frame containing information about the data mapping used to configure safetyGraphics for the hepExplorer Chart. One record per unique data mapping

Usage

```
meta_hepExplorer
```

Format

A data frame with X rows and 10 columns

domain Data domain

text_key Text key indicating the setting name. '--' delimiter indicates a field level data mapping

col_key Key for the column mapping

field_key Key for the field mapping (if any)

type type of mapping - "field" or "column"

label Label

description Description

multiple Mapping supports multiple columns/fields

standard_adam Default values for the ADaM data standard

standard_sdtm Default values for the SDTM data standard

Source

Created for this package

meta_labs	<i>Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the labs domain. One record per unique data mapping</i>
-----------	--

Description

Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the labs domain. One record per unique data mapping

Usage

```
meta_labs
```

Format

A data frame with X rows and 10 columns

domain Data domain

text_key Text key indicating the setting name. '--' delimiter indicates a field level data mapping

col_key Key for the column mapping

field_key Key for the field mapping (if any)

type type of mapping - "field" or "column"

label Label

description Description

multiple Mapping supports multiple columns/fields

standard_adam Default values for the ADaM data standard

standard_sdtm Default values for the SDTM data standard

Source

Created for this package

meta_mh	<i>Metadata data frame containing information about the data mapping used to configure safetyGraphics for the Medical History Domain. One record per unique data mapping</i>
---------	--

Description

Metadata data frame containing information about the data mapping used to configure safetyGraphics for the Medical History Domain. One record per unique data mapping

Usage

meta_mh

Format

A data frame with X rows and 10 columns

domain Data domain

text_key Text key indicating the setting name. '--' delimiter indicates a field level data mapping

col_key Key for the column mapping

field_key Key for the field mapping (if any)

type type of mapping - "field" or "column"

label Label

description Description

multiple Mapping supports multiple columns/fields

standard_adam Default values for the ADaM data standard

standard_sdtm Default values for the SDTM data standard

Source

Created for this package

meta_vitals	<i>Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the vital signs domain. One record per unique data mapping</i>
-------------	---

Description

Metadata data frame containing information about the data mapping used to configure safetyGraphics charts for the vital signs domain. One record per unique data mapping

Usage

```
meta_vitals
```

Format

A data frame with X rows and 10 columns

domain Data domain

text_key Text key indicating the setting name. '--' delimiter indicates a field level data mapping

col_key Key for the column mapping

field_key Key for the field mapping (if any)

type type of mapping - "field" or "column"

label Label

description Description

multiple Mapping supports multiple columns/fields

standard_adam Default values for the ADaM data standard

standard_sdtm Default values for the SDTM data standard

Source

Created for this package

paneledOutlierExplorer	<i>Make standalone paneledOutlierExplorer html widget</i>
------------------------	---

Description

Convenience mapping of render_widget for paneledOutlierExplorer.

Usage

```
paneledOutlierExplorer(df = safetyData::adam_adlbc, mapping = NULL, ...)
```

Arguments

df	data frame containing lab data used to render for paneledOutlierExplorer. Default is safetyData::adam_adlbc.
mapping	named list with the current data mappings. See details for default mapping.
...	additional options to be added to mapping. Will overwrite mapping.

Details

The **data** and **mapping** should match the specs described in the **paneledOutlierExplorer** javascript library. Items passed in ... are added to mapping, and then the list is converted to json via `jsonlite::toJSON(mapping, auto_unbox=TRUE, null="null")`.

The default mapping shown below is designed to work with data in the CDISC ADaM format (like `safetydata::adam_adlbc`).

```
mapping <- list(
  measure_col = 'PARAM',
  time_cols = list(
    list(
      value_col = "VISIT",
      order_col = "VISITNUM",
      label = "VISIT",
      type = 'ordinal',
      label="Visit",
      rotate_tick_labels = TRUE,
      vertical_space = 75
    ),
    list(
      value_col = "ADY",
      order_col = "ADY",
      label = "Study Day",
      type = 'linear',
      label="Visit",
      rotate_tick_labels = FALSE,
      vertical_space = 0
    )
  ),
  value_col = 'AVAL',
  id_col = 'USUBJID',
  lln_col = 'A1LO',
  uln_col = 'A1HI'
)
```

Parameters that are not included in the default mapping can be accessed via ...; Key options and defaults for `safetyData::adam_adlbc` shown below:

- **filters**: list of columns to be included as data filters formatted as `filters=c("SEX","AGEGR1")`

For more options see the **full specs** in the javascript library.

Examples

```
## Not run:
# Render widget with defaults
paneledOutlierExplorer()

# Add Sex and Age Filters
paneledOutlierExplorer(
  filters=list(
    list(value_col="SEX"),
    list(value_col="AGEGR1",label="Age")
  )
)

# customize panel size (in pixels)
paneledOutlierExplorer(multiples_sizing=list("width"= 500,"height"= 300))

# customize default normal range
paneledOutlierExplorer(
  normal_range_method = 'quantiles',
  normal_range_quantile_low = 0.2,
  normal_range_quantile_high = 0.8,
)

## End(Not run)
```

QT_OutlierExplorer_server

QT Outlier Explorer Module - UI

Description

QT Outlier Explorer Module - UI

Usage

```
QT_OutlierExplorer_server(input, output, session, params)
```

Arguments

input	module input
output	module output
session	module session
params	parameters object with data and settings options.

Value

returns shiny module Server function

QT_OutlierExplorer_ui *QT Outlier Explorer Module - UI*

Description

QT Outlier Explorer Module - UI

Usage

QT_OutlierExplorer_ui(id)

Arguments

id module id

Value

returns shiny module UI

QT_Outlier_Explorer *QT Outlier Explorer*

Description

QT Outlier Explorer

Usage

QT_Outlier_Explorer(data, settings)

Arguments

data	ECG data structured as one record per person per visit per measurement. See details for column requirements.
settings	named list of settings with the parameters specified below.

Details

The settings object provides details the columns in the data set.

- "id_col" ID column
- "value_col" Value column
- "measure_col" Measure column
- "measure_values" Measure values
- "visit_col" Visit column

- "visitn_col" Visit number column (numeric)
- "baseline_flag_col" Baseline flag column
- "baseline_flag_values" Baseline flag value

Value

returns a chart object

render_widget	<i>Render an htmlwidget using standard safetyGraphics workflow</i>
---------------	--

Description

Render an htmlwidget using standard safetyGraphics workflow

Usage

```
render_widget(widgetName, data, mapping)
```

Arguments

widgetName	name of the widget saved in safetyCharts
data	named list of current data sets
mapping	named list with the current data mappings

safetyOutlierExplorer_server	<i>Safety Outlier Explorer Module - UI</i>
------------------------------	--

Description

Safety Outlier Explorer Module - UI

Usage

```
safetyOutlierExplorer_server(input, output, session, params)
```

Arguments

input	module input
output	module output
session	module session
params	parameters object with data and settings options.

Value

returns shiny module Server function

safetyOutlierExplorer_ui

Safety Outlier Explorer Module - UI

Description

Safety Outlier Explorer Module - UI

Usage

```
safetyOutlierExplorer_ui(id)
```

Arguments

id	module id
----	-----------

Value

returns shiny module UI

safety_outlier_explorer

Safety Outlier Explorer

Description

Safety Outlier Explorer

Usage

```
safety_outlier_explorer(data, settings)
```

Arguments

data	labs data structured as one record per person per visit per measurement. See details for column requirements.
settings	named list of settings with the parameters specified below.

Details

The settings object provides details the columns in the data set.

- "id_col" ID column
- "value_col" Value column
- "measure_col" Measure column
- "measure_values" Measure values
- "studyday_col" Study Day (numeric)

Value

returns a chart object

Examples

```
settings <- list(  
  id_col = "USUBJID",  
  measure_col = "LBTEST",  
  measure_values = c("Albumin", "Bilirubin", "Chloride"),  
  studyday_col = "VISITDY",  
  value_col = "LBORRES"  
)  
safety_outlier_explorer(safetyData::sdtm_lb, settings)
```

safety_results_over_time

Safety Results Over Time plot

Description

Safety Results Over Time plot

Usage

```
safety_results_over_time(data, settings)
```

Arguments

data	labs data structured as one record per person per visit per measurement. See details for column requirements.
settings	named list of settings with the parameters specified below.

Details

The settings object provides details the columns in the data set.

- "value_col" Value column
- "measure_col" Measure column
- "measure_values" Measure values
- "visit_col" Study Visit
- "visitn_col" Study Number
- "group_col" Grouping column
- "violins" Show Violin plots?
- "boxplots" Show Box Plots?
- "axis" set to "log" to use a log transformed axis, linear otherwise
- "drop_visit_string" Drop visits that contain this string. e.g. "unscheduled"

Value

returns a chart object

Examples

```
library(dplyr)
lb <- safetyData::sdtm_lb
sub_ids <- unique(lb$USUBJID)[1:100]
lb <- lb %>% filter(USUBJID %in% sub_ids)
settings <- list(
  value_col = "LBORRES",
  measure_col = "LBTEST",
  measure_values = c("Chloride"),
  visit_col = "VISIT",
  visitn_col = "VISITNUM",
  axis = "log"
)
safety_results_over_time(lb, settings)

# remove unscheduled visits, add violin plot and 2nd panel
settings$drop_visit_string <- "unscheduled"
settings$violins <- TRUE
settings$measure_values <- c("Albumin")
safety_results_over_time(lb, settings)

# add grouping by treatment
dm_sub <- safetyData::sdtm_dm %>% select(USUBJID, ARM)
dm_lb <- dm_sub %>% left_join(lb)
settings$group_col <- "ARM"
safety_results_over_time(dm_lb, settings)
```

stack_events

Combine Event Domains

Description

Combine Event Domains

Usage

```
stack_events(
  data = list(aes = safetyData::sdtm_ae, cm = safetyData::sdtm_cm, ex =
    safetyData::sdtm_ex),
  settings = list(aes = rlang::set_names(as.list(safetyCharts::meta_aes$standard_sdtm),
    safetyCharts::meta_aes$col_key), cm =
    rlang::set_names(as.list(safetyCharts::meta_cm$standard_sdtm),
    safetyCharts::meta_cm$col_key), ex =
    rlang::set_names(as.list(safetyCharts::meta_ex$standard_sdtm),
```

```

      safetyCharts::meta_ex$col_key)),
    domains = c("aes", "cm", "ex")
  )

```

Arguments

data list Named list of data domains.

settings list Named list of settings objects containing column and value mappings.

domains character Vector of data domain names to stack.

Value

combined dataset with stacked AE and CM data

Examples

```
stack_events()
```

standardize_events *Create a standardized event data set*

Description

Create an event data set with a standard set of hard-coded column names using standard safety-Graphics settings and data. The settings for each specified domain should contain valid mappings for ID ("id_col"), event start date ("stdy_col") and event end date ("endy_col"). Missing start day and end day values are extrapolated to NA. All other columns specified in settings are collapsed into a single "details" column. The final standardized data contains the following columns: "id", "domain", "stdy", "endy", "details".

Usage

```
standardize_events(data, settings, domain = "")
```

Arguments

data data.frame Data domain.

settings list List of column and value mappings.

domain character Name of data domain.

Value

combined dataset with stacked AE and CM data

tendril_chart	<i>Tendril plot</i>
---------------	---------------------

Description

Create a plot using the Tendril package

Usage

```
tendril_chart(data, settings)
```

Arguments

data	list of data frames including dataframes named aes (adverse events) and dm (demographics)
settings	named list of domain-specific settings with the parameters specified below.

Details

The settings object provides details regarding the columns in the data sets.

- "settings\$dm\$id_col" ID column
- "settings\$dm\$treatment_col" Treatment column
- "settings\$dm\$treatment_values-group1" Name of treatment 1
- "settings\$dm\$treatment_values-group2" Name of treatment 2
- "settings\$aes\$id_col" ID column)
- "settings\$aes\$bodsys_col" Body System
- "settings\$aes\$stdy_col" Study Day

Value

returns a chart object

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