Package ‘boxly’

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Title Interactive Box Plot
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Description Interactive box plot using 'plotly' for clinical trial analysis.
License GPL (>= 3)
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boxly Create an interactive box plot

Description
Create an interactive box plot

Usage

boxly(
  outdata,
  color = NULL,
  hover_summary_var = c("n", "min", "q1", "median", "mean", "q3", "max"),
  hover_outlier_label = c("Participant Id", "Parameter value"),
  x_label = "Visit",
  y_label = "Change",
  heading_select_list = "Lab parameter",
  heading_summary_table = "Number of Participants"
)

Arguments

outdata An outdata object created from prepare_ae_forestly().
color Color for box plot.
hover_summary_var
  A character vector of statistics to be displayed on hover label of box.
hover_outlier_label
  A character vector of hover label for outlier.
x_label x-axis label.
y_label y-axis label.
heading_select_list
  Select list menu label.
heading_summary_table
  Summary table label.
**Value**

Interactive box plot.

**Examples**

```r
# Only run this example in interactive R sessions
if (interactive()) {
  library(metalite)

  meta_boxly(
    boxly_adsl,
    boxly_adlb,
    population_term = "apat",
    observation_term = "wk12"
  ) |> prepare_boxly() |> boxly()
}
```

---

**Description**

Definition of each variable can be found in [https://github.com/phuse-org/phuse-scripts/tree/master/data/adam/cdisc](https://github.com/phuse-org/phuse-scripts/tree/master/data/adam/cdisc)

**Usage**

`boxly_aedeg`

**Format**

A data frame with 32139 and 35 variables:

**Source**

boxly_adlb | An example ADLB dataset

**Description**
Definition of each variable can be found in https://github.com/phuse-org/phuse-scripts/tree/master/data/adam/cdisc

**Usage**
boxly_adlb

**Format**
A data frame with 24746 and 24 variables:

**Source**
https://github.com/phuse-org/phuse-scripts/tree/master/data/adam/cdisc

boxly_adsl | A Subject Level Demographic Dataset

**Description**
A dataset containing the demographic information of a clinical trial following CDISC ADaM standard.

**Usage**
boxly_adsl

**Format**
A data frame with 254 rows and 51 variables.

**Details**
Definition of each variable can be found in https://github.com/phuse-org/phuse-scripts/tree/master/data/adam/cdisc

**Source**
https://github.com/phuse-org/phuse-scripts/tree/master/data/adam/cdisc
**boxly_advs**

An example ADVS dataset

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**Description**

Definition of each variable can be found in [https://github.com/phuse-org/phuse-scripts/tree/master/data/adam/cdisc](https://github.com/phuse-org/phuse-scripts/tree/master/data/adam/cdisc)

**Usage**

```r
boxly_advs
```

**Format**

A data frame with 32139 and 34 variables:

**Source**


---

**meta_boxly**

Create an example metadata object

---

**Description**

Create an example metadata object

**Usage**

```r
meta_boxly(
    dataset_adsl,
    dataset_param,
    population_term,
    population_subset = SAFFL == "Y",
    observation_term,
    observation_subset = SAFFL == "Y",
    parameters = unique(dataset_param$PARAMCD)
)
```
prepare_boxly

Arguments

```r
prepare_boxly(
  meta, population = NULL, observation = NULL, analysis = NULL)
```

**Description**

Prepare data for interactive box plot

**Usage**

```r
prepare_boxly(meta, population = NULL, observation = NULL, analysis = NULL)
```

**Arguments**

- `meta` A metadata object created by metalite.
- `population` A character value of population term name. The term name is used as key to link information.
- `observation` A character value of observation term name. The term name is used as key to link information.
- `analysis` A character value of analysis term name. The term name is used as key to link information.
Value

Metadata list with plotting dataset.
Metadata list with plotting dataset

Examples

library(metalite)

meta <- meta_boxly(
  boxly_adsl,
  boxly_adlb,
  population_term = "apat",
  observation_term = "wk12"
)
prepare_boxly(meta)
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