

Package: labeler (via r-universe)

November 15, 2024

Title Easy to use and share data labels in R

Version 0.6.5

Description Functions to assign and use data labels in an easy and efficient way. With an easy-to-share structure.

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Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.2

URL <https://github.com/adatar-do/labeler>

BugReports <https://github.com/adatar-do/labeler/issues>

Imports sjlabelled, lifecycle, stringi, DT, haven, readr, magrittr, dplyr, labelled, cli

Suggests testthat, covr, knitr, rmarkdown

RdMacros lifecycle

VignetteBuilder knitr

Depends R (>= 2.10)

Config/pak/sysreqs make libicu-dev libx11-dev zlib1g-dev

Repository <https://adatar-do.r-universe.dev>

RemoteUrl <https://github.com/adatar-do/labeler>

RemoteRef HEAD

RemoteSha ff9b1878d00ad57dde328d6c3533631207a8fd03

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browse_dict	<i>Browse dictionary</i> [Experimental]
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Description

Allows you to browse the dictionary of the surveys in a web interface where you can check the name and label of the variables, as well as the data labels.

Usage

```
browse_dict(dict, ...)
```

Arguments

dict	database dictionary
...	for testing purposes

Value

a web interface with the data contained in the supplied dictionary

Examples

```
## Not run:
dict <- list(
  SEX = list(
    lab = "Sex of the person",
    labs = c("Man" = 1, "Woman" = 2)
  ),
  MARITAL_STATUS = list(
    lab = "Marital status of the person",
    labs = c("Single" = 1, "Married" = 2, "Widower" = 3)
  ),
  HEIGHT = list(
    lab = "Person height",
    labs = c("Short" = 1, "Normal" = 2, "High" = 3)
  )
)
browse_dict(dict)

## End(Not run)
```

get_dict	<i>Generate a dictionary of given dataset</i> [Experimental]
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Description

Generate a dictionary of given dataset **[Experimental]**

Usage

```
get_dict(tbl)
```

Arguments

tbl A labelled dataset

Value

A dictionary of the dataset

Examples

```
## Not run:  
get_dict(tbl)  
  
## End(Not run)
```

parse_dict	<i>Replace non ASCII characters with ASCII equivalents</i> [Experimental]
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Description

Replace non ASCII characters with ASCII equivalents **[Experimental]**

Usage

```
parse_dict(dict)
```

Arguments

dict A dictionary. See vignette('labeler', package = "labeler") for details.

Value

A dictionary with all non ASCII characters replaced with ASCII

Examples

```
## Not run:
dict = list(
  MARRIED = list(
    "Si" = 1,
    "No" = 2
  )
)
parse_dict(dict)

## End(Not run)
```

set_labels

Assign data labels to specified variables **[Experimental]**

Description

Assign data labels to specified variables **[Experimental]**

Usage

```
set_labels(tbl, dict, vars = NULL, ignore_case = FALSE, warn = TRUE)
```

Arguments

tbl [data.frame](#): Data.frame with the data
dict [data.frame](#): Dictionary with all the data labels to use
vars [character](#): If specified, only labels are assigned to those variables
ignore_case [logical](#): Indicate if case sensitive should be ignored.
warn [logical](#): Indicate if warnings should be shown.

Value

The data entered in the tbl argument but with data labels

See Also

Data labels vignette("labeler", package = "labeler")

Examples

```
## Not run:
dict <- list(
  SEX = list(
    lab = "Sex of the person",
    labs = c(
      "Man" = 1,
```

```
      "Woman" = 2
    )
  )
)
df <- data.frame(SEX = c(1, 2))
str(df)
str(set_labels(df, dict = dict))

## End(Not run)
```

use_labels *Use the data labels of a variable instead of its values* **[Experimental]**

Description

Use the data labels of a variable instead of its values **[Experimental]**

Usage

```
use_labels(tbl, dict, vars = NULL, ignore_case = F, check = TRUE, warn = TRUE)
```

Arguments

tbl	data.frame : Data.frame with the data
dict	data.frame : Dictionary with all the data labels to use if they have not yet been assigned. See Details
vars	character : If specified, only labels are assigned to those variables
ignore_case	logical : Indicate if case sensitive should be ignored
check	logical : If TRUE (default), the function will check if values present in variable are valid data labels in dictionary.
warn	logical : Indicate if warnings should be shown.

Details

This function assumes that the data labels have been assigned to the data before, unless a dict is supplied, in which case the latter will be used to assign and use the data labels.

Value

The data supplied in the tbl argument, but instead of values using the corresponding data labels

See Also

```
Data labels vignette("labeler", package = "labeler")
```

Examples

```
## Not run:
dict <- list(
  SEX = list(
    lab = "Sex of the person",
    labs = c(
      "Man" = 1,
      "Woman" = 2
    )
  )
)
enft <- data.frame(SEX = c(1, 2))
enft
use_labels(enft, dict = dict)

## End(Not run)
```

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