Package 'datadictionary'

March 12, 2023

Title Create a Data Dictionary

Version 1.0.0

Description Creates a data dictionary from any dataframe or tibble in your R environment.
You can opt to add variable labels. You can write the object directly to Excel.

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Encoding UTF-8

Language en-GB

RoxygenNote 7.2.0

Imports chron, data.table, dplyr, haven, labelled, lubridate,
magrittr, openxlsx, stats, tibble, tidyr, tidyselect,

Suggests covr, testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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Depends R (>= 3.5.0)

Repository CRAN

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R topics documented:

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create_dictionary　　　　　*Create a data dictionary from any dataset*

Description

Create a data dictionary from any dataset

Usage

```
create_dictionary(dataset, id_var = NULL, file = NULL, var_labels = NULL)
```

Arguments

dataset	The dataset you wish to summarise
id_var	A variable/vector of variables that are identifiers (optional)
file	The file path to write an Excel spreadsheet (optional)
var_labels	A named vector of variable labels (optional)

Value

Either an Excel spreadsheet or a dataframe

Examples

```
# A simple dictionary printed to console
create_dictionary(esoph)

# You can specify id variable/s
mtcars$id <- 1:nrow(mtcars)
create_dictionary(mtcars, id_var = "id")

# You can also specify labels with a named vector
iris.labels <- c(Sepal.Length = "Sepal length in mm",
    Sepal.Width = "Sepal width in mm",
    Petal.Length = "Petal length in mm",
    Petal.Width = "Petal width in mm",
    Species = "Species of iris")
create_dictionary(iris, var_labels = iris.labels)
```

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summarise_variable   *Summarise a single variable*

Description

Summarise a single variable

Usage

```
summarise_variable(dataset, column)
```

Arguments

dataset	The dataset with the variable you wish to summarise
column	The column you wish to summarise as a quoted string

Value

A dataframe with a summary of the variable

Examples

```
summarise_variable(mtcars, "mpg")

summarise_variable(iris, "Species")
```

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