

Package ‘datadictionary’

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Title Create a Data Dictionary

Version 1.0.1

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 7.3.2

Imports chron, dplyr, haven, labelled, lubridate, openxlsx, stats,
tibble, tidyr, tidyrselect,

Suggests covr, testthat (>= 3.0.0)

Depends R (>= 4.1.0)

Config/testthat/edition 3

URL <https://github.com/DoctorBJones/datadictionary>

BugReports <https://github.com/DoctorBJones/datadictionary/issues>

NeedsCompilation no

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Repository CRAN

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| create_dictionary | <i>Create a data dictionary from any dataset</i> |
|-------------------|--|

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)
```

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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