

Package ‘datadictionary’

July 22, 2025

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.

License MIT + file LICENSE

Encoding UTF-8

Language en-GB

RoxygenNote 7.3.2

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

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

Author Bethany Jones [aut, cre]

Maintainer Bethany Jones <r.data.nerd@gmail.com>

Repository CRAN

Date/Publication 2025-03-20 23:10:02 UTC

Contents

create_dictionary	2
summarise_variable	3
Index	4

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	<i>Summarise a single variable</i>
--------------------	------------------------------------

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")
```

Index

`create_dictionary`, [2](#)

`summarise_variable`, [3](#)