

# Package ‘datadictionary’

October 13, 2022

**Title** Create a Data Dictionary

**Version** 0.1.0

**Description** Creates a data dictionary from any dataset 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** 7.2.0

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

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**NeedsCompilation** no

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**Repository** CRAN

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create\_dictionary      *Create a data dictionary from any dataset*

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## 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")
create_dictionary(iris, var_labels = iris.labels)
```

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summarise\_variable     *Summarise a single variable*

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**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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