

# Package: datadictionary (via r-universe)

November 2, 2024

**Title** Create a Data Dictionary

**Version** 1.0.0.9000

**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

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.0

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

**Suggests** covr, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Repository** <https://doctorbjones.r-universe.dev>

**RemoteUrl** <https://github.com/doctorbjones/datadictionary>

**RemoteRef** HEAD

**RemoteSha** 1e1275f92ce9c91413a20d13b82aef280b0d3802

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create_dictionary	<i>Create a data dictionary from any dataset</i>
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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",
                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*

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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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