

# Package ‘varsExplore’

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**Type** Package

**Title** Searchable Variable Explorer with Labelled Variables

**Version** 0.3.0

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**Description** Creates a summary dataframe that can be used in 'RStudio' similar to the variable explorer in 'Stata', but which also includes the summary statistics. By default the result is shown in the 'RStudio' Viewer Pane as a searchable data table. This is useful particularly if you have a large dataset with a very large number of labelled variables with hard to remember names. Can also be used to generate a table of summary statistics.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Imports** dplyr, magrittr, purrr, tidyr, stringr, glue, DT, rstudioapi,  
rio

**RoxygenNote** 7.1.0

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

**Repository** CRAN

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## R topics documented:

datatable2 . . . . .	2
num_x . . . . .	2
vars_explore . . . . .	3

<b>Index</b>	<b>5</b>
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datatable2	<i>datatable2 - Datatable with child rows</i>
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**Description**

Created by Reigo Hendrikson: <<http://www.reigo.eu/2018/04/extending-dt-child-row-example/>>

**Usage**

```
datatable2(x, vars = NULL, opts = NULL, font.size = "10pt", dom = "fti", ...)
```

**Arguments**

x	A dataframe
vars	String vector. The variables you want to put in the details table, rather than keep in the main table.
opts	Additional options for DT::datatable.
font.size	String. Default is "10pt".
dom	String. What DT::datatable elements to show. Default is 'fti'.
...	Additional parameters for DT::datatable.

**Value**

A DT::datatable.

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num_x	<i>Numeric x</i>
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**Description**

Numeric x

**Usage**

```
num_x(x)
```

**Arguments**

x	A vector
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**Value**

A vector of numbers with NAs removed, if 'x' is numeric. If 'x' is non-numeric or 100

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vars_explore	<i>Searchable variable explorer with labelled variables</i>
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### Description

Creates a summary dataframe that can be used in RStudio similar to the variable explorer in Stata, but which also includes the summary statistics. If 'viewer' is TRUE (default) the result is shown in RStudio's Viewer pane as a searchable datatable.

### Usage

```
vars_explore(  
  df,  
  viewer = TRUE,  
  digits = 2,  
  font.size = "10pt",  
  value.labels.width = 500,  
  silent = TRUE,  
  minimal = FALSE  
)
```

### Arguments

df	A data frame.
viewer	Logical. Whether to show results as a searchable datatable in RStudio's Viewer pane. Default is TRUE.
digits	Numeric. How many digits to show for the statistics in the Viewer Pane. Default is 2.
font.size	String. Font size in the Viewer Pane. Default is "10pt".
value.labels.width	Numeric. How many characters to include in the "Value labels" and "Values" columns. Default is 500.
silent	Logical. If FALSE, function will return the summary dataframe. Default is TRUE.
minimal	If TRUE only the number of observations and missing values are shown. Default is FALSE.

### Details

This is useful particularly if you have a large dataset with a very large number of labelled variables with hard to remember names. Can also be used to generate a table of summary statistics.

### Value

If 'silent = FALSE' the function returns the summary stats dataframe, each variable a row. This can be used for making summary tables, or viewed with the 'View()' function.

**Examples**

```
qog <- rio::import("http://www.qogdata.pol.gu.se/dataarchive/qog_bas_cs_jan18.dta")
vars_explore(qog, silent = FALSE, viewer = FALSE)
## Not run:
vars_explore(qog)
vars_explore(qog, minimal = TRUE)
vars_explore(qog, silent = FALSE, viewer = FALSE) %>% View()

## End(Not run)
qog_summary <- vars_explore(qog, silent = FALSE, viewer = FALSE)
```

# Index

`datatable2`, 2

`num_x`, 2

`vars_explore`, 3