Package ‘varsExplore’

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Type Package
Title Searchable Variable Explorer with Labelled Variables
Version 0.1.0
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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.
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Encoding UTF-8
LazyData true
Imports dplyr, magrittr, purrr, tidyr, stringr, glue, DT, rstudioapi,
    rio
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Suggests knitr, rmarkdown
VignetteBuilder knitr
NeedsCompilation no
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dataTable2  
*dataTable2 - Datatable with child rows*

**Description**


**Usage**

```r
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.

vars_explore  
*Searchable variable explorer with labelled variables*

**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**

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

**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**

```r
qog <- rio::import("http://www.qogdata.pol.gu.se/dataarchive/qog_bas_cs_jan18.dta")

vars_explore(qog)
vars_explore(qog, minimal = TRUE)
vars_explore(qog, silent = FALSE, viewer = FALSE) %>% View()

qog_summary <- vars_explore(qog, silent = FALSE, viewer = FALSE)
```
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