Package 'crosswalkr'

November 23, 2018

Title Rename and Encode Data Frames Using External Crosswalk Files
Version 0.1.1
Description A pair of functions for renaming and encoding data frames using external crosswalk files. It is especially useful when constructing master data sets from multiple smaller data sets that do not name or encode variables consistently across files. Based on similar commands in 'Stata'.
URL https://github.com/btskinner/crosswalkr
BugReports https://github.com/btskinner/crosswalkr/issues
Depends R (>= $3.3.0$)
Imports dplyr, haven, labelled, methods, readr, readxl, tibble
License MIT + file LICENSE
Encoding UTF-8
LazyData true
RoxygenNote 6.0.1
Suggests testthat, knitr, rmarkdown
VignetteBuilder knitr
NeedsCompilation no
Author Benjamin Skinner [aut, cre]
Maintainer Benjamin Skinner btskinner@virginia.edu>
Repository CRAN
Date/Publication 2017-10-17 10:45:19 UTC
R topics documented:
crosswalkr
Index

2 encodefrom

crosswalkr	crosswalkr: Rename and Encode Data Frames Using External Crosswalk Files
------------	--

Description

A pair of functions for renaming and encoding data frames using external crosswalk files. Especially useful when constructing master data sets from multiple smaller data sets that do not name or encode variables consistently across files. Based on -renamefrom- and -encodefrom- Stata commands.

encodefrom	Encode data frame column using external crosswalk file.
------------	---

Description

Encode data frame column using external crosswalk file.

vector.

Usage

```
encodefrom(.data, var, cw_file, raw, clean, label, delimiter = NULL,
    sheet = NULL, case_ignore = TRUE, ignore_tibble = FALSE)

encodefrom_(.data, var, cw_file, raw, clean, label, delimiter = NULL,
    sheet = NULL, case_ignore = TRUE, ignore_tibble = FALSE)
```

Arguments

.data	Data frame or tbl_df	
var	Column name of vector to be encoded	
cw_file	String of external crosswalk file, including path, which has columns representing raw (current) vector values, clean (new) vector values, and labels for values. Values in raw and clean columns must be unique (1:1 match) or an error will be thrown. Acceptable file types include: delimited (.csv, .tsv, or other), R (.rda, .rdata, .rds), or Stata (.dta).	
raw	Name of column in <code>cw_file</code> that contains values in current vector.	
clean	Name of column in <code>cw_file</code> that contains new new values for vector.	
label	Name of column in cw_file with labels for new values.	
delimiter	String delimiter used to parse <code>cw_file</code> . Only necessary if using a delimited file that isn't a comma-separated or tab-separated file (guessed by function based on file ending).	
sheet	Specify sheet if <code>cw_file</code> is an Excel file and required sheet isn't the first one.	
case_ignore	Ignore case when matching current (raw) vector name with new (clean) column name.	
ignore_tibble		
	Ignore .data status as tbl_df and return vector as a factor rather than labelled	

renamefrom 3

Value

Vector that is either a factor or labelled, depending on data input and options

Functions

• encodefrom_: Standard evaluation version of encodefrom (var, raw, clean, and label must be strings when using this version)

Examples

renamefrom

Rename data frame columns using external crosswalk file.

Description

Rename data frame columns using external crosswalk file.

Usage

```
renamefrom(.data, cw_file, raw, clean, label = NULL, delimiter = NULL,
    sheet = NULL, drop_extra = TRUE, case_ignore = TRUE,
    keep_label = FALSE, name_label = FALSE)

renamefrom_(.data, cw_file, raw, clean, label = NULL, delimiter = NULL,
    sheet = NULL, drop_extra = TRUE, case_ignore = TRUE,
    keep_label = FALSE, name_label = FALSE)
```

Arguments

.data	Data frame or tbl_df
cw_file	String of external crosswalk file, including path, which has columns representing raw (current) column names, clean (new) column names, and labels (optional). Values in raw and clean columns must be unique (1:1 match) or an error will be thrown. Acceptable file types include: delimited (.csv, .tsv, or other), R (.rda, .rdata, .rds), or Stata (.dta).
raw	Name of column in cw file that contains column names of current data frame.

4 stcrosswalk

clean	Name of column in cw_file that contains new column names.
label	Name of column in cw_file with labels for columns.
delimiter	String delimiter used to parse <code>cw_file</code> . Only necessary if using a delimited file that isn't a comma-separated or tab-separated file (guessed by function based on file ending).
sheet	Specify sheet if cw_file is an Excel file and required sheet isn't the first one.
drop_extra	Drop extra columns in current data frame if they are not matched in <code>cw_file</code> .
case_ignore	Ignore case when matching current (raw) column names with new (clean) column names.
keep_label	Keep current label, if any, on data frame columns that aren't matched in cw_file . Default FALSE means that unmatched columns have any existing labels set to NULL.
name_label	Use old (raw) column name as new (clean) column name label. Cannot be used if label option is set.

Value

Data frame or tbl_df with new column names and labels.

Functions

• renamefrom_: Standard evaluation version of renamefrom (raw, clean, and label must be strings when using this version)

Examples

stcrosswalk

State crosswalk data set.

Description

An example state crosswalk. Includes information for all states plus the District of Columbia.

Usage

```
stcrosswalk
```

stcrosswalk 5

Format

A data frame with 51 rows and 7 variables:

stfips Two-digit state FIPS codes

stabbr Two-letter state abbreviation

stname Full state name

cenreg Census region number

cenregnm Census region name

cendiv Census division number

cendivnm Census division name

Index

```
*Topic datasets
stcrosswalk, 4

crosswalkr, 2
crosswalkr-package (crosswalkr), 2
encodefrom, 2, 3
encodefrom_(encodefrom), 2

renamefrom, 3, 4
renamefrom_(renamefrom), 3
stcrosswalk, 4
```