Package 'crosswalkr'

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| Title Rename and Encode Data Frames Using External Crosswalk Files |
|---|
| Version 0.2.6 |
| 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'. |
| <pre>URL https://github.com/btskinner/crosswalkr</pre> |
| BugReports https://github.com/btskinner/crosswalkr/issues |
| Depends R (>= 3.3.0) |
| Imports haven, labelled, methods, readr, readxl, tibble |
| License MIT + file LICENSE |
| Encoding UTF-8 |
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| VignetteBuilder knitr |
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| R topics documented: |
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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.

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
)
```

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Arguments

| .data | Data frame or tbl_df |
|---------------|---|
| var | Column name of vector to be encoded |
| cw_file | Either data frame object or string with path to 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 cw_file that contains values in current vector. |
| clean | Name of column in cw_file that contains new values for vector. |
| label | Name of column in cw_file with labels for new values. |
| delimiter | String delimiter used to parse cw_file. 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. |
| 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 vector. |

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

4 renamefrom

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

|--|

cw_file

Either data frame object or string with path to external crosswalk file, 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.

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| 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 cw_file. 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 cw_file. |
| 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.

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Usage

stcrosswalk

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

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