

Package: gendercoder (via r-universe)

August 31, 2026

Title Recodes Sex/Gender Descriptions into a Standard Set

Version 0.1.1

Description Provides dictionary-based tools for recoding free-text gender responses into consistent categories while preserving gender diversity where possible. The package standardises spelling, capitalization, whitespace, and common variants through curated named character-vector dictionaries, supports either detailed or collapsed output categories, and can retain original unmatched responses for manual review. It also includes helpers for creating custom dictionaries from approximate string matches and a local interactive application for recoding uploaded data files.

Depends R (>= 3.0.0)

Maintainer Yaoxiang Li <liyaoxiang@outlook.com>

License GPL-2

Encoding UTF-8

LazyData true

RoxygenNote 7.3.3

Suggests knitr, rmarkdown, bs4Dash, haven, shiny

VignetteBuilder knitr

URL <https://github.com/ropensci/gendercoder>

BugReports <https://github.com/ropensci/gendercoder/issues>

Repository <https://ropensci.r-universe.dev>

Date/Publication 2026-08-30 23:41:23 UTC

RemoteUrl <https://github.com/ropensci/gendercoder>

RemoteRef master

RemoteSha b1722e4542e043e7c6c74fa7bc32681508028f11

Contents

fewlevels_en	2
gender_create_dictionary	2
gendercoder	3
gendercoder_app	4
manylevels_en	4
recode_gender	5
sample	6
Index	7

fewlevels_en	<i>fewlevels_en</i>
--------------	---------------------

Description

An English dictionary for the recode_gender function that has fewer levels

gender_create_dictionary	<i>Create a custom dictionary from fuzzy matches</i>
--------------------------	--

Description

gender_create_dictionary suggests dictionary entries for gender responses that are not already matched exactly. The returned named character vector is intended to be reviewed before it is combined with a built-in dictionary and passed to recode_gender().

Usage

```
gender_create_dictionary(  
  gender,  
  dictionary = gendercoder::manylevels_en,  
  max_distance = 1  
)
```

Arguments

- | | |
|--------------|---|
| gender | a character vector of gender responses for recoding |
| dictionary | a character vector whose names are known gender responses and whose values are replacement values |
| max_distance | maximum edit distance allowed for a suggested match |

Value

a named character vector of suggested replacement values

Examples

```
suggested <- gender_create_dictionary(  
  c("maile", "unknown"),  
  dictionary = manylevels_en,  
  max_distance = 1  
)  
suggested
```

gendercoder

gendercoder: A Package for Recoding Freetext Gender Data

Description

Provides dictionaries and `recode_gender()` to allow for easy automatic coding of common variations in free-text responses to the question **"What is your gender?"**

Author(s)

Maintainer: Yaoxiang Li <liyaoxiang@outlook.com> ([ORCID](#))

Authors:

- Jennifer Beaudry <jbeaudry@swin.edu.au> ([ORCID](#))
- Emily Kothe <emily.kothe@deakin.edu.au> ([ORCID](#))
- Felix Singleton Thorn <fsingletonthorn@gmail.com> ([ORCID](#))
- Rhydwyn McGuire <rhydwyn@rhydwyn.net>
- Nicholas Tierney <nicholas.tierney@gmail.com> ([ORCID](#))
- Mathew Ling <mathewtyling@gmail.com> ([ORCID](#))

Other contributors:

- Julia Silge (Julia reviewed the package (v. 0.0.0.9000) for rOpenSci, see <<https://github.com/ropensci/software-review/issues/435>>) [reviewer]
- Elin Waring (Elin reviewed the package (v. 0.0.0.9000) for rOpenSci, see <<https://github.com/ropensci/software-review/issues/435>>) [reviewer]

See Also

Useful links:

- <https://github.com/ropensci/gendercoder>
- Report bugs at <https://github.com/ropensci/gendercoder/issues>

gendercoder_app	<i>Launch the gendercoder Shiny app</i>
-----------------	---

Description

Code data interactively in a Shiny app that runs locally in RStudio or a web browser using a **bs4Dash** interface. The app supports CSV, Stata, SPSS, RDS, and R data files. Stata and SPSS files require the optional **haven** package.

Usage

```
gendercoder_app(...)
```

Arguments

... arguments to pass to `shiny::runApp()`

Value

Called for its side effect of launching a Shiny app.

Examples

```
if (interactive()) {
  gendercoder_app()
}
```

manylevels_en	<i>manylevels_en</i>
---------------	----------------------

Description

An English dictionary for the `recode_gender` function that has many levels

recode_gender	<i>recode_gender</i>
---------------	----------------------

Description

recode_gender matches uncleaned gender responses to cleaned list using an built-in or custom dictionary.

Usage

```
recode_gender(
  gender,
  dictionary = gendercoder::manylevels_en,
  retain_unmatched = FALSE
)
```

Arguments

gender	a character vector of gender responses for recoding
dictionary	a list that the contains gender responses and their replacement values. A built-in dictionary manylevels_en is used by default if an alternative dictionary is not supplied.
retain_unmatched	logical indicating if gender responses that are not found in dictionary should be filled with the uncleaned values during recoding

Value

a character vector of recoded genders

Examples

```
df <- data.frame(
  stringsAsFactors = FALSE,
  gender = c("male", "MALE", "mle", "I am male", "femail", "female", "enby"),
  age = c(34L, 37L, 77L, 52L, 68L, 67L, 83L)
)

df$recoded_gender <- recode_gender(df$gender,
  dictionary = manylevels_en,
  retain_unmatched = TRUE
)
df
```

sample	<i>sample</i>
--------	---------------

Description

A sample data.frame of free-text gender in English for testing and demonstration

Index

`fewlevels_en`, [2](#)

`gender_create_dictionary`, [2](#)

`gendercoder`, [3](#)

`gendercoder-package (gendercoder)`, [3](#)

`gendercoder_app`, [4](#)

`manylevels_en`, [4](#)

`recode_gender`, [5](#)

`sample`, [6](#)