Package ‘codified’

October 12, 2022

Title  Produce Standard/ Formalized Demographics Tables

Description  Augment clinical data with metadata to create output used in conventional publications and reports.

Version  0.3.0


BugReports  https://github.com/OuhscBbmc/codified/issues

Depends  R(>= 4.1.0)

Imports  checkmate (>= 1.8.4), dplyr (>= 1.0.0), kableExtra, knitr (>= 1.18.0), rlang, tibble (>= 1.4.0), tidyr (>= 1.0.0)

Suggests  covr, readr (>= 1.1.0), REDCapR, rmarkdown, testthat (>= 3.0)

License  MIT + file LICENSE

VignetteBuilder  knitr

Encoding  UTF-8

RoxygenNote  7.2.1

Config/testthat/edition  3

Language  en-US

NeedsCompilation  no

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Repository  CRAN

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table_nih_enrollment  Produce an NIH-compliant enrollment table.

Description

Produce an NIH enrollment table, leveraging metadata to adapt to the observed data.frame.

Usage

```r
table_nih_enrollment(  
d,  
d_lu_gender = NULL,  
d_lu_race = NULL,  
d_lu_ethnicity = NULL,  
variable_gender = "gender",  
variable_race = "race",  
variable_ethnicity = "ethnicity"  )
```

Arguments

- **d**  
  data.frame of observed values in the investigation. Required.
- **d_lu_gender**  
  data.frame that maps the observed levels of gender to the NIH-recommended levels of gender. Required only if the levels are not the same.
- **d_lu_race**  
  data.frame that maps the observed levels of gender to the NIH-recommended levels of gender. Required only if the levels are not the same.
- **d_lu_ethnicity**  
  data.frame that maps the observed levels of gender to the NIH-recommended levels of gender. Required only if the levels are not the same.
- **variable_gender**  
  name of the gender variable in the d data.frame. Defaults to gender.
- **variable_race**  
  name of the race variable in the d data.frame. Defaults to race.
- **variable_ethnicity**  
  name of the ethnicity variable in the d data.frame. Defaults to ethnicity.

Details


Value

Table for publication

Author(s)

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Examples

```r
ds_1 <- tibble::tribble(
  ~subject_id, ~gender , ~race , ~ethnicity ,
    1L, "Male" , "Black or African American", "Not Hispanic or Latino" ,
    2L, "Male" , "Black or African American", "Not Hispanic or Latino" ,
    3L, "Female", "Black or African American", "Unknown/Not Reported Ethnicity",
    4L, "Male" , "White" , "Not Hispanic or Latino" ,
    5L, "Male" , "White" , "Not Hispanic or Latino" ,
    6L, "Female", "White" , "Not Hispanic or Latino" ,
    7L, "Male" , "White" , "Hispanic or Latino" ,
    8L, "Male" , "White" , "Hispanic or Latino"
)
table_nih_enrollment(ds_1)
table_nih_enrollment_pretty(ds_1)

ds_2 <- tibble::tribble(
  ~subject_id, ~gender , ~race , ~ethnicity ,
    1L, "Male" , "Black or African American", "Not Latino" ,
    2L, "Male" , "Black or African American", "Not Latino" ,
    3L, "Female", "Black or African American", "Unknown" ,
    4L, "Male" , "White" , "Not Latino" ,
    5L, "Male" , "White" , "Not Latino" ,
    6L, "Female", "White" , "Not Latino" ,
    7L, "Male" , "White" , "Latino" ,
    8L, "Male" , "White" , "Latino"
)
table_nih_enrollment(ds_2)
table_nih_enrollment_pretty(ds_2)

ds_lu_ethnicity <- tibble::tribble(
  ~input , ~displayed ,
    "Not Latino", "Not Hispanic or Latino" ,
    "Latino" , "Hispanic or Latino" ,
    "Unknown" , "Unknown/Not Reported Ethnicity"
)
table_nih_enrollment(ds_2, d_lu_ethnicity = ds_lu_ethnicity)
table_nih_enrollment_pretty(ds_2, d_lu_ethnicity = ds_lu_ethnicity)

## Read a 500-patient fake dataset
path <- system.file("misc/example-data-1.csv", package = "codified")
ds_3 <- readr::read_csv(path) |> 
dplyr::mutate(
  gender = as.character(gender),
)
table_nih_enrollment

race = as.character(race),
etnicity = as.character(ethnicity)
)

ds_lu_gender <- tibble::tribble(
  ~input, ~displayed ,
  "0" , "Female",
  "1" , "Male",
  "U" , "Unknown/Not Reported"
)

ds_lu_race <- tibble::tribble(
  ~input, ~displayed ,
  "1" , "American Indian/Alaska Native",
  "2" , "Asian",
  "3" , "Native Hawaiian or Other Pacific Islander",
  "4" , "Black or African American",
  "5" , "White",
  "M" , "More than One Race",
  "6" , "Unknown or Not Reported"
)

ds_lu_ethnicity <- tibble::tribble(
  ~input, ~displayed ,
  "1" , "Hispanic or Latino",
  "2" , "Not Hispanic or Latino",
  "0" , "Unknown/Not Reported Ethnicity"
)

table_nih_enrollment(
  d = ds_3,
  d_lu_gender = ds_lu_gender,
  d_lu_race = ds_lu_race,
  d_lu_ethnicity = ds_lu_ethnicity
)

table_nih_enrollment_pretty(
  d = ds_3,
  d_lu_gender = ds_lu_gender,
  d_lu_race = ds_lu_race,
  d_lu_ethnicity = ds_lu_ethnicity
)
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