Package 'odktidy'

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Type Package

Title What the Package Does (Title Case)

Version 0.1.0

Author Who wrote it

Maintainer The package maintainer <yourself@somewhere.net>

Description More about what it does (maybe more than one line)
Use four spaces when indenting paragraphs within the Description.

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Encoding UTF-8

LazyData true

Suggests testthat,
knitr,
rmarkdown

Imports pillar,
purrr,
crayon,
tibble,
magrittr,
koboquest (>= 1.0.1),
vctrs,
assertthat

RoxygenNote 6.1.1

Remotes mabafaba/koboquest

VignetteBuilder knitr

Depends categorical

R topics documented:

`as_odk` *create ODK object*

Description

create ODK object

Usage

```
as_odk(x, questions, choices, ...)
```

Arguments

`x`	a data.frame or tibble with the recorded surveys
`questions`	the survey sheet in the kobo questionnaire as a data.frame
`choices`	the choices sheet in the kobo questionnaire as a data.frame
`...`	(ignored)

`mutate_select_multiple` *label.odk_select_multiple<-function(x) labels<-attributes(x)$labels lapply(x, function(y) y_labeled<-as.character(y) y_labeled[y y_labeled)*

Description

#' @param x a character vector with concatenated select_multiple choices (for example 'c("choice_A choices_B", "choice_C")‘) #' @param choices list of options; equivalent to factor levels (in case some options were never selected but we want to track them regardless) #' @param labels named vector with choice labels. the vector name is the value in ‘x‘, the vector value is the label. #' @param sep the delimeter used to separate the choices in each element of ‘x‘ ("choice_A choice_B" vs. "choice_A; choice_B"). uses regex. #' @export select_multiple <- function(x = character(), choices = NULL, labels = NULL, sep = " ") # if(class(x)=='matrix' & typeof(x)=='logical') # # return(gather_select_multiple(x)) # if(!is.list(x))x<-vctrs::vec_cast(x,character()) new_select_multiple(x, choices, labels = labels, sep)

Usage

```
mutate_select_multiple(.data, ...)
```

Details

#' @param x a character vector with concatenated select_multiple choices (for example 'c("choice_A choices_B", "choice_C")‘) #' @param choices list of options; equivalent to factor levels (in case some options were never selected but we want to track them regardless) #' @param labels named vector with choice labels. the vector name is the value in ‘x‘, the vector value is the label. #' @param sep the delimeter used to separate the choices in each element of ‘x‘ ("choice_A choice_B" vs. "choice_A; choice_B"). uses regex. new_select_multiple<-function(x = character(), choices = NULL, labels = NULL, sep = " ") if(!is.list(x))vctrs::vec_assert(x, character())

choices<-as.character(choices)

if(is.list(x)) x_split<-x # get choices from supplied choices, all factor levels and values: choices<-c(choices,levels(unlist(x)),unlist(x)) else x<-as.character(x) # prepare factor levels x_split<-strsplit(x,split = sep) choices<-c(choices,as.character(unlist(x_split)))

convert to list of factor vectors x_split<-lapply(x_split,function(x) factor(x,levels = choices)) attributes(x_split)$choices<-choices # class(x_split)<-c('select_multiple') vctrs::new_vctr(x_split, class = "odk_select_multiple", labels = labels)

format.odk_select_multiple<-function(x, ...)

x<-purrr::map_chr(x,function(x) x<-as.character(x)

paste0(# number of selected items crayon::silver(crayon::italic(paste0(" (",length(x),") "))), # concatenated choices paste0(x, collapse = crayon::silver(crayon::italic(" & "))))

)

x

basic type functions

#' check if vector is of class odk_select_multiple #' @param x a vector #' @return TRUE if it is #' @export is_select_multiple<-function(x) inherits(x,'odk_select_multiple')

as_select_multiple<-select_multiple

pretty printing

print.odk_select_multiple<-function(x, ...) cat(format(x), sep = "\n") invisible(x)

library(vctrs)

vec_ptype_abbr.odk_select_multiple <- function(x, ...) "s_mult"

pillar_shaft.odk_select_multiple<- function(x, ...) out <- format(x) out[is.na(x)] <- NA pillar::new_pillar_shaft_simple(o align = "left", na_indent = 5)

#' @importFrom pillar type_sum #' @export type_sum.odk_select_multiple <- function(x) "s_mult"

#' @export as.logical.odk_select_multiple<-function(x) spread_select_multiple(x)

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