Package 'youthvars'

August 4, 2021

Title Youth Mental Health Variables Modelling Toolkit

Version 0.0.0.9061

Description Classes that describe the structural properties of variables
commonly present in youth mental health datasets and some (where
freely available) related scoring algorithms. The main motivation for
this package is to enable data integrity tools that ensure that
methods are applied to the appropriate data structures. This
development version of the youthvars package has been made available
as part of the process of testing and documenting the package. The
documentation for this package has been automatically generated by the
ready4fun package and is therefore quite rudimentary. Human authored
documentation will follow in 2021. If you have any questions, please
contact the authors (matthew.hamilton@orygen.org.au).

License GPL-3 + file LICENSE

URL https://ready4-dev.github.io/youthvars/,

https://github.com/ready4-dev/youthvars,

https://ready4-dev.github.io/ready4/

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.1

Imports arsenal,
assertthat,
cowplot,
dplyr,
ggplot2,
ggpubr,
gridExtra,
here,
Hmisc,
hutils,
kableExtra,
knitr,
knitrBootstrap,
lifecycle,
lubridate,

       magrittr,
       Matrix,
       matrixcalc,
       methods,
       mice,
       psych,
       purrr,
       ready4fun (>= 0.0.0.9298),
       ready4show (>= 0.0.0.9037),
       ready4use (>= 0.0.0.9133),
       rlang,
       scales,
       simstudy,
       stats,
       stringi,
       stringr,
       Surrogate,
       testthat,
       tibble,
       tidyselect,
       utils

VignetteBuilder knitr

Depends R (>= 2.10)

Remotes ready4-dev/ready4show,
      ready4-dev/ready4use,
      ready4-dev/ready4fun

Suggests rmarkdown

R **topics documented:**

youthvars-package   *youthvars: Youth Mental Health Variables Modelling Toolkit*

Description

Classes that describe the structural properties of variables commonly present in youth mental health datasets and some (where freely available) related scoring algorithms. The main motivation for this package is to enable data integrity tools that ensure that methods are applied to the appropriate data structures. This development version of the youthvars package has been made available as part of the process of testing and documenting the package. The documentation for this package has been automatically generated by the ready4fun package and is therefore quite rudimentary. Human authored documentation will follow in 2021. If you have any questions, please contact the authors (matthew.hamilton@orygen.org.au).

Details

To learn more about youthvars, start with the vignettes: browseVignettes(package = "youthvars")

Author(s)

Maintainer: Matthew Hamilton <matthew.hamilton@orygen.org.au> (ORCID)

Authors:

- Caroline Gao <caroline.gao@orygen.org.au> (ORCID)

Other contributors:

- Orygen [copyright holder, funder]

- Headspace [funder]

- National Health and Medical Research Council [funder]

See Also

Useful links:

- https://ready4-dev.github.io/youthvars/

- https://github.com/ready4-dev/youthvars

- https://ready4-dev.github.io/ready4/

---

abbreviations_lup   *Common abbreviations lookup table*

Description

A lookup table for abbreviations commonly used in object names in the youthvarspackage.

Usage

```
abbreviations_lup
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 503 rows and 3 columns.

Details

A tibble

short_name_chr Short name (a character vector)

long_name_chr Long name (a character vector)

plural_lgl Plural (a logical vector)

Source

<https://doi.org/10.7910/DVN/2Y9VF9>

---

add_adol6d_scores   *Add Assessment of Quality of Life Six Dimension (Adolescent version) scores*

Description

add_adol6d_scores() is an Add function that updates an object by adding data to that object. Specifically, this function implements an algorithm to add assessment of quality of life six dimension (adolescent version) scores. Function argument unscored_aqol_tb specifies the object to be updated. The function returns Transformed Assessment of Quality of Life (a tibble).

Usage

```
add_adol6d_scores(
  unscored_aqol_tb,
  prefix_1L_chr = "aqol6d_q",
  id_var_nm_1L_chr = "fkClientID",
  wtd_aqol_var_nm_1L_chr = "aqol6d_total_w",
  total_aqol_var_nm_1L_chr = "aqol6d_total_c"
)
```

Arguments

unscored_aqol_tb
> Unscored Assessment of Quality of Life (a tibble)

prefix_1L_chr   Prefix (a character vector of length one), Default: 'aqol6d_q'

id_var_nm_1L_chr
> Identity variable name (a character vector of length one), Default: 'fkClientID'

wtd_aqol_var_nm_1L_chr
> Weighted Assessment of Quality of Life variable name (a character vector of length one), Default: 'aqol6d_total_w'

total_aqol_var_nm_1L_chr
> Total Assessment of Quality of Life variable name (a character vector of length one), Default: 'aqol6d_total_c'

Value

Transformed Assessment of Quality of Life (a tibble)

---

add_interval_var   *Add interval variable*

Description

add_interval_var() is an Add function that updates an object by adding data to that object. Specifically, this function implements an algorithm to add interval variable. Function argument data_tb specifies the object to be updated. The function returns Updated data (a tibble).

Usage

```
add_interval_var(
  data_tb,
  id_var_nm_1L_chr = "fkClientID",
  msrmnt_date_var_nm_1L_chr = "d_interview_date",
  time_unit_1L_chr = "days",
  bl_date_var_nm_1L_chr = "bl_date_dtm",
  interval_var_nm_1L_chr = "interval_dbl",
  temp_row_nbr_var_nm_1L_chr = "temp_row_nbr_int",
  drop_bl_date_var_1L_lgl = F
)
```

Arguments

data_tb   Data (a tibble)

id_var_nm_1L_chr
> Identity variable name (a character vector of length one), Default: 'fkClientID'

msrmnt_date_var_nm_1L_chr
> Measurement date variable name (a character vector of length one), Default: 'd_interview_date'

time_unit_1L_chr
> Time unit (a character vector of length one), Default: 'days'

    bl_date_var_nm_1L_chr

                    Baseline date variable name (a character vector of length one), Default: 'bl_date_dtm'

    interval_var_nm_1L_chr

                    Interval variable name (a character vector of length one), Default: 'interval_dbl'

    temp_row_nbr_var_nm_1L_chr

                    Temporary row number variable name (a character vector of length one), De-
                    fault: 'temp_row_nbr_int'

    drop_bl_date_var_1L_lgl

                    Drop baseline date variable (a logical vector of length one), Default: F

Value

Updated data (a tibble)

---

    add_participation_var   *Add participation variable*

Description

add_participation_var() is an Add function that updates an object by adding data to that object.
Specifically, this function implements an algorithm to add participation variable. Function argument
data_tb specifies the object to be updated. The function returns Data (a tibble).

Usage

```
add_participation_var(
  data_tb,
  id_var_nm_1L_chr = "fkClientID",
  fup_round_nmbr_1L_int = 2L
)
```

Arguments

    data_tb   Data (a tibble)

    id_var_nm_1L_chr

                    Identity variable name (a character vector of length one), Default: 'fkClientID'

    fup_round_nmbr_1L_int

                    Follow-up round nmbr (an integer vector of length one), Default: 2

Value

Data (a tibble)

---

adol_dim_scalg_eqs_lup
AQoL6D (adolescent) item worst weightings equations lookup table

---

Description

Dimension scaling equations for adolescent version of AQoL6D scoring algorithm.

Usage

adol_dim_scalg_eqs_lup

Format

An object of class data.frame with 19 rows and 3 columns.

Details

A tibble

Dim_scal NO MATCH

Label NO MATCH

Equ NO MATCH

Source

<https://www.aqol.com.au/index.php/scoring-algorithms>

---

aqol6d_adult_disv_lup_tb
AQoL6D (adult version) item disvalues lookup table

Description

Disutility weights for individual AQoL6D (adult version) items.

Usage

aqol6d_adult_disv_lup_tb

Format

An object of class tbl_df (inherits from tbl, data.frame) with 20 rows and 7 columns.

Details

A tibble

Question_chr Question (a character vector)

Answer_1_dbl Answer 1 (a double vector)

Answer_2_dbl Answer 2 (a double vector)

Answer_3_dbl Answer 3 (a double vector)

Answer_4_dbl Answer 4 (a double vector)

Answer_5_dbl Answer 5 (a double vector)

Answer_6_dbl Answer 6 (a double vector)

Source

<https://www.aqol.com.au/index.php/scoring-algorithms>

---

aqol6d_adult_itm_wrst_wghts_lup_tb
AQoL6D (adult) item worst weightings lookup table

Description

Worst weightings for individual items in AQoL6D (adult version).

Usage

    aqol6d_adult_itm_wrst_wghts_lup_tb

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 20 rows and 2 columns.

Details

A tibble

Question_chr Question (a character vector)

Worst_Weight_dbl Worst Weight (a double vector)

Source

<https://www.aqol.com.au/index.php/scoring-algorithms>

---

aqol6d_adult_vldn_pop_with_STATA_scores_tb

STATA comparison validation synthetic population

Description

Synthetic population following application of STATA adult scoring algorithm.

Usage

aqol6d_adult_vldn_pop_with_STATA_scores_tb

Format

An object of class data.frame with 1711 rows and 87 columns.

Details

A tibble

v1 NO MATCH

aqol1 NO MATCH

aqol2 NO MATCH

aqol3 NO MATCH

aqol4 NO MATCH

aqol5 NO MATCH

aqol6 NO MATCH

aqol7 NO MATCH

aqol8 NO MATCH

aqol9 NO MATCH

aqol10 NO MATCH

aqol11 NO MATCH

aqol12 NO MATCH

aqol13 NO MATCH

aqol14 NO MATCH

aqol15 NO MATCH

aqol16 NO MATCH

aqol17 NO MATCH

aqol18 NO MATCH

aqol19 NO MATCH

aqol20 NO MATCH

Q1 NO MATCH

Q2 NO MATCH

Q3 NO MATCH

Q4 NO MATCH

Q5 NO MATCH

Q6 NO MATCH

Q7 NO MATCH

Q8 NO MATCH

Q9 NO MATCH

Q10 NO MATCH

Q11 NO MATCH

Q12 NO MATCH

Q13 NO MATCH

Q14 NO MATCH

Q15 NO MATCH

Q16 NO MATCH

Q17 NO MATCH

Q18 NO MATCH

Q19 NO MATCH

Q20 NO MATCH

DILmiss NO MATCH

DILmissno NO MATCH

DRLmiss NO MATCH

DRLmissno NO MATCH

DMHmiss NO MATCH

DMHmissno NO MATCH

DCOPmiss NO MATCH

DCOPmissno NO MATCH

DPmiss NO MATCH

DPmissno NO MATCH

DSENmiss NO MATCH

DSENmissno NO MATCH

dvQ1 NO MATCH

dvQ2 NO MATCH

dvQ3 NO MATCH

dvQ4 NO MATCH

dvQ5 NO MATCH

dvQ6 NO MATCH

dvQ7 NO MATCH

dvQ8 NO MATCH

dvQ9 NO MATCH

dvQ10 NO MATCH

dvQ11 NO MATCH

dvQ12 NO MATCH

dvQ13 NO MATCH

dvQ14 NO MATCH

dvQ15 NO MATCH

dvQ16 NO MATCH

dvQ17 NO MATCH

dvQ18 NO MATCH

dvQ19 NO MATCH

dvQ20 NO MATCH

dvD1 NO MATCH

dvD2 NO MATCH

dvD3 NO MATCH

dvD4 NO MATCH

dvD5 NO MATCH

dvD6 NO MATCH

vD1 NO MATCH

vD2 NO MATCH

vD3 NO MATCH

vD4 NO MATCH

vD5 NO MATCH

vD6 NO MATCH

uaqol6Dusing8D NO MATCH

uaqol6Dusing8Da NO MATCH

Source

   <https://www.aqol.com.au/index.php/scoring-algorithms>

---

aqol6d_dim_sclg_con_lup_tb
                              AQoL6D dimension scaling constants lookup table

---

Description

   Scaling constants for each dimension of AQoL6D.

Usage

   aqol6d_dim_sclg_con_lup_tb

Format

   An object of class tbl_df (inherits from tbl, data.frame) with 6 rows and 2 columns.

Details

A tibble

Dimension_chr Dimension (a character vector)

Constant_dbl Constant (a double vector)

Source

<https://www.aqol.com.au/index.php/scoring-algorithms>

---

aqol6d_domain_qs_lup_tb

AQoL6D dimension questions lookup table

Description

Breakdown of which questions relate to which dimension of the AQoL6D.

Usage

```
aqol6d_domain_qs_lup_tb
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 20 rows and 2 columns.

Details

A tibble

Question_dbl Question (a double vector)

Domain_chr Domain (a character vector)

Source

<https://www.aqol.com.au/index.php/scoring-algorithms>

---

aqol6d_from_8d_coefs_lup_tb

Model 2A Coefficients To Weight AQoL6D

Description

Coefficients for model to predict AQoL-6D utility score from AQoL-8D. The optimal model is Model 2A (see Richardson et al (2011, 18-19)*/

Usage

```
aqol6d_from_8d_coefs_lup_tb
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 7 rows and 2 columns.

Details

A tibble

var_name_chr Variable name (a character vector)
coef_dbl Coefficient (a double vector)

Source

https://www.aqol.com.au/index.php/scoring-algorithms

---

aqol_scrg_dict_r3 *Data dictionary for AQoL scoring*

Description

A data dictionary of the variables used in scoring AQoL 6D utility questionnaire responses.

Usage

```
aqol_scrg_dict_r3
```

Format

An object of class `ready4_dictionary` (inherits from `tbl_df`, `tbl`, `data.frame`) with 60 rows and 4 columns.

Details

A tibble

var_nm_chr Variable name (a character vector)
var_ctg_chr Variable category categories (a character vector)
var_desc_chr Variable description (a character vector)
var_type_chr Variable type (a character vector)

---

assert_ds_is_valid   *Assert dataset is valid*

Description

assert_ds_is_valid() is an Assert function that validates that an object conforms to required condition(s). If the object does not meet all required conditions, program execution will be stopped and an error message provided. Specifically, this function implements an algorithm to assert dataset is valid. Function argument data_tb specifies the object on which assert validation checks are to be performed. Argument id_var_nm_1L_chr provides the object containing values used for validation tests. The function is called for its side effects and does not return a value.

Usage

```
assert_ds_is_valid(
  data_tb,
  id_var_nm_1L_chr,
  round_var_nm_1L_chr,
  round_bl_val_1L_chr,
  msrmnt_date_var_nm_1L_chr = NULL
)
```

Arguments

data_tb	Data (a tibble)
id_var_nm_1L_chr	
	Identity variable name (a character vector of length one)
round_var_nm_1L_chr	
	Round variable name (a character vector of length one)
round_bl_val_1L_chr	
	Round baseline value (a character vector of length one)
msrmnt_date_var_nm_1L_chr	
	Measurement date variable name (a character vector of length one), Default: NULL

---

fns_dmt_tb   *youthvars function documentation table*

Description

Meta-data on each youthvars function used to create package documentation

Usage

```
fns_dmt_tb
```

Format

An object of class tbl_df (inherits from tbl, data.frame) with 65 rows and 10 columns.

Details

A tibble

fns_chr Functions (a character vector)

title_chr Title (a character vector)

desc_chr Description (a character vector)

details_chr Details (a character vector)

inc_for_main_user_lgl Include for main user (a logical vector)

output_chr Output (a character vector)

example_lgl Example (a logical vector)

args_ls Arguments (a list)

file_nm_chr File name (a character vector)

file_pfx_chr File prefix (a character vector)

Source

https://ready4-dev.github.io/youthvars/

---

fn_type_lup_tb   *Function type lookup table*

Description

A lookup table to find descriptions for different types of functions used within the youthvars package suite.

Usage

```
fn_type_lup_tb
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 46 rows and 6 columns.

Details

A tibble

fn_type_nm_chr Function type name (a character vector)

fn_type_desc_chr Function type description (a character vector)

first_arg_desc_chr First argument description (a character vector)

second_arg_desc_chr Second argument description (a character vector)

is_generic_lgl Is generic (a logical vector)

is_method_lgl Is method (a logical vector)

Source

https://doi.org/10.7910/DVN/2Y9VF9

is_youthvars_aqol6d_adol

Is youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Description

Check whether an object is a valid instance of the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Usage

```
is_youthvars_aqol6d_adol(x)
```

Arguments

x   An object of any type

Details

youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Value

A logical value, TRUE if a valid instance of the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

is_youthvars_bads   *Is youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores*

Description

Check whether an object is a valid instance of the youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Usage

```
is_youthvars_bads(x)
```

Arguments

x   An object of any type

Details

youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Value

A logical value, TRUE if a valid instance of the youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

---

is_youthvars_gad7	*Is youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores*

Description

Check whether an object is a valid instance of the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Usage

```
is_youthvars_gad7(x)
```

Arguments

x   An object of any type

Details

youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Value

A logical value, TRUE if a valid instance of the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

---

is_youthvars_k6	*Is youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores*

Description

Check whether an object is a valid instance of the youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Usage

```
is_youthvars_k6(x)
```

Arguments

x   An object of any type

Details

youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Value

A logical value, TRUE if a valid instance of the youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

---

is_youthvars_oasis	*Is youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores*

Description

Check whether an object is a valid instance of the youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Usage

```
is_youthvars_oasis(x)
```

Arguments

x   An object of any type

Details

youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Value

A logical value, TRUE if a valid instance of the youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

---

is_youthvars_phq9	*Is youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores*

Description

Check whether an object is a valid instance of the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Usage

```
is_youthvars_phq9(x)
```

Arguments

x   An object of any type

Details

youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Value

A logical value, TRUE if a valid instance of the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

---

is_youthvars_scared   *Is youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores*

Description

Check whether an object is a valid instance of the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Usage

```
is_youthvars_scared(x)
```

Arguments

x   An object of any type

Details

youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Value

A logical value, TRUE if a valid instance of the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

---

is_youthvars_sofas   *Is youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)*

Description

Check whether an object is a valid instance of the youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Usage

```
is_youthvars_sofas(x)
```

Arguments

x   An object of any type

Details

youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Value

A logical value, TRUE if a valid instance of the youthvars S3 class for Social and Occupational
Functioning Assessment Scale (SOFAS)

---

make_corstars_tbl_xx *Make corstars table*

Description

make_corstars_tbl_xx() is a Make function that creates a new R object. Specifically, this function
implements an algorithm to make corstars table output object of multiple potential types. The
function is called for its side effects and does not return a value.

Usage

```
make_corstars_tbl_xx(
  x,
  caption_1L_chr = NULL,
  mkdn_tbl_ref_1L_chr = NULL,
  method_chr = c("pearson", "spearman"),
  removeTriangle_chr = c("upper", "lower"),
  result_chr = "none"
)
```

Arguments

x	An object
caption_1L_chr	Caption (a character vector of length one), Default: NULL
mkdn_tbl_ref_1L_chr	
	Markdown table reference (a character vector of length one), Default: NULL
method_chr	Method (a character vector), Default: c("pearson", "spearman")
removeTriangle_chr	
	RemoveTriangle (a character vector), Default: c("upper", "lower")
result_chr	Result (a character vector), Default: 'none'

---

make_descv_stats_tbl *Make descriptive statistics table*

Description

make_descv_stats_tbl() is a Make function that creates a new R object. Specifically, this func-
tion implements an algorithm to make descriptive statistics table. The function returns Descriptive
statistics table (a tibble).

Usage

```
make_descv_stats_tbl(
  data_tb,
  key_var_nm_1L_chr = "round",
  key_var_vals_chr = NULL,
  variable_nms_chr,
  dictionary_tb = NULL,
  test_1L_lgl = F,
  sections_as_row_1L_lgl = F,
  nbr_of_digits_1L_int = NA_integer_
)
```

Arguments

data_tb	Data (a tibble)
key_var_nm_1L_chr	
	Key variable name (a character vector of length one), Default: 'round'
key_var_vals_chr	
	Key variable values (a character vector), Default: NULL
variable_nms_chr	
	Variable names (a character vector)
dictionary_tb	Dictionary (a tibble), Default: NULL
test_1L_lgl	Test (a logical vector of length one), Default: F
sections_as_row_1L_lgl	
	Sections as row (a logical vector of length one), Default: F
nbr_of_digits_1L_int	
	Number of digits (an integer vector of length one), Default: NA

Value

Descriptive statistics table (a tibble)

---

make_final_rpln_ds_dict

Make final rpln dataset dictionary

Description

make_final_rpln_ds_dict() is a Make function that creates a new R object. Specifically, this function implements an algorithm to make final rpln dataset dictionary. The function returns Dictionary (a tibble).

Usage

```
make_final_rpln_ds_dict(
  seed_dictionary_tb = NULL,
  additions_tb = NULL,
  utl_unwtd_var_nm_1L_chr = "aqol6d_total_c"
)
```

Arguments

`seed_dictionary_tb`
                    Seed dictionary (a tibble), Default: NULL

`additions_tb`   Additions (a tibble), Default: NULL

`utl_unwtd_var_nm_1L_chr`
                    Utility unwtd variable name (a character vector of length one), Default: 'aqol6d_total_c'

Value

Dictionary (a tibble)

---

make_formula   *Make formula*

Description

make_formula() is a Make function that creates a new R object. Specifically, this function implements an algorithm to make formula. The function is called for its side effects and does not return a value.

Usage

```
make_formula(
  depnt_var_nm_1L_chr,
  predictors_chr,
  environment_env = parent.frame()
)
```

Arguments

`depnt_var_nm_1L_chr`
                    Dependent variable name (a character vector of length one)

`predictors_chr`   Predictors (a character vector)

`environment_env`
                    Environment (an environment), Default: parent.frame()

Value

NA ()

---

make_itm_resp_plts   *Make item resp plots*

Description

make_itm_resp_plts() is a Make function that creates a new R object. Specifically, this function implements an algorithm to make item resp plots. The function returns Composite (a plot).

Usage

```
make_itm_resp_plts(
  data_tb,
  col_nms_chr,
  lbl_nms_chr,
  plot_rows_cols_pair_int,
  heights_int,
  round_var_nm_1L_chr = "round",
  y_label_1L_chr = "Percentage"
)
```

Arguments

data_tb	Data (a tibble)
col_nms_chr	Column names (a character vector)
lbl_nms_chr	Label names (a character vector)
plot_rows_cols_pair_int	
	Plot rows columns pair (an integer vector)
heights_int	Heights (an integer vector)
round_var_nm_1L_chr	
	Round variable name (a character vector of length one), Default: 'round'
y_label_1L_chr	Y label (a character vector of length one), Default: 'Percentage'

Value

Composite (a plot)

---

make_new_youthvars_aqol6d_adol

         Make new youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Description

Create a new unvalidated instance of the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Usage

```
make_new_youthvars_aqol6d_adol(x)
```

Arguments

x	A prototype for the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Details

youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Value

An unvalidated instance of the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

---

make_new_youthvars_bads

Make new youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

---

Description

Create a new unvalidated instance of the youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Usage

```
make_new_youthvars_bads(x)
```

Arguments

x	A prototype for the youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Details

youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Value

An unvalidated instance of the youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

make_new_youthvars_gad7

Make new youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Description

Create a new unvalidated instance of the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Usage

```
make_new_youthvars_gad7(x)
```

Arguments

x   A prototype for the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Details

youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Value

An unvalidated instance of the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

make_new_youthvars_k6   *Make new youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores*

Description

Create a new unvalidated instance of the youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Usage

```
make_new_youthvars_k6(x)
```

Arguments

x   A prototype for the youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Details

youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Value

An unvalidated instance of the youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

---

make_new_youthvars_oasis

Make new youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

---

Description

Create a new unvalidated instance of the youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Usage

```
make_new_youthvars_oasis(x)
```

Arguments

x   A prototype for the youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Details

youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Value

An unvalidated instance of the youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

---

make_new_youthvars_phq9

Make new youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

---

Description

Create a new unvalidated instance of the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Usage

```
make_new_youthvars_phq9(x)
```

Arguments

x   A prototype for the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Details

youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Value

An unvalidated instance of the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

---

make_new_youthvars_scared

Make new youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

---

Description

Create a new unvalidated instance of the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Usage

```
make_new_youthvars_scared(x)
```

Arguments

x   A prototype for the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Details

youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Value

An unvalidated instance of the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

---

make_new_youthvars_sofas

Make new youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Description

Create a new unvalidated instance of the youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Usage

```
make_new_youthvars_sofas(x)
```

Arguments

x A prototype for the youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Details

youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Value

An unvalidated instance of the youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

---

make_pt_youthvars_aqol6d_adol

Make prototype youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Description

Create a new prototype for the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Usage

```
make_pt_youthvars_aqol6d_adol()
```

Details

youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Value

A prototype for youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

---

make_pt_youthvars_bads

Make prototype youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

---

Description

Create a new prototype for the youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Usage

```
make_pt_youthvars_bads()
```

Details

youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Value

A prototype for youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

---

make_pt_youthvars_gad7

Make prototype youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

---

Description

Create a new prototype for the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Usage

```
make_pt_youthvars_gad7()
```

Details

youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Value

A prototype for youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

---

make_pt_youthvars_k6   *Make prototype youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores*

Description

Create a new prototype for the youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Usage

```
make_pt_youthvars_k6()
```

Details

youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Value

A prototype for youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

---

make_pt_youthvars_oasis

Make prototype youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

---

Description

Create a new prototype for the youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Usage

```
make_pt_youthvars_oasis()
```

Details

youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Value

A prototype for youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

---

make_pt_youthvars_phq9

Make prototype youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

---

Description

Create a new prototype for the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Usage

```
make_pt_youthvars_phq9()
```

Details

youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Value

A prototype for youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

```
make_pt_youthvars_scared
```
                    Make prototype youthvars S3 class for Screen for Child Anxiety Re-
                    lated Disorders (SCARED) scores

Description

Create a new prototype for the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Usage

```
make_pt_youthvars_scared()
```

Details

youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Value

A prototype for youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

```
make_pt_youthvars_sofas
```
                    Make prototype youthvars S3 class for Social and Occupational Func-
                    tioning Assessment Scale (SOFAS)

Description

Create a new prototype for the youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Usage

```
make_pt_youthvars_sofas()
```

Details

youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Value

A prototype for youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

---

make_sub_tot_plts   *Make sub total plots*

Description

make_sub_tot_plts() is a Make function that creates a new R object. Specifically, this function implements an algorithm to make sub total plots. The function returns Composite (a plot).

Usage

```
make_sub_tot_plts(
  data_tb,
  col_nms_chr,
  plot_rows_cols_pair_int,
  round_var_nm_1L_chr = "round",
  make_log_log_tfmn_1L_lgl = F,
  heights_int,
  y_label_1L_chr = "Percentage"
)
```

Arguments

data_tb	Data (a tibble)
col_nms_chr	Column names (a character vector)
plot_rows_cols_pair_int	
	Plot rows columns pair (an integer vector)
round_var_nm_1L_chr	
	Round variable name (a character vector of length one), Default: 'round'
make_log_log_tfmn_1L_lgl	
	Make log log transformation (a logical vector of length one), Default: F
heights_int	Heights (an integer vector)
y_label_1L_chr	Y label (a character vector of length one), Default: 'Percentage'

Value

Composite (a plot)

---

make_tfd_repln_ds_dict_r3

      Make transformed replication dataset dictionary

Description

make_tfd_repln_ds_dict_r3() is a Make function that creates a new R object. Specifically, this function implements an algorithm to make transformed replication dataset dictionary ready4 s3. The function returns Transformed replication dataset dictionary (a ready4 S3).

Usage

```
make_tfd_repln_ds_dict_r3(repln_ds_dict_r3 = NULL)
```

Arguments

```
repln_ds_dict_r3
```
                    Replication dataset dictionary (a ready4 S3), Default: NULL

Value

Transformed replication dataset dictionary (a ready4 S3)

---

make_var_by_round_plt   *Make variable by round*

Description

make_var_by_round_plt() is a Make function that creates a new R object. Specifically, this function implements an algorithm to make variable by round plot. The function returns Variable by round (a plot).

Usage

```
make_var_by_round_plt(
  data_tb,
  var_nm_1L_chr,
  round_var_nm_1L_chr = "round",
  x_label_1L_chr,
  y_label_1L_chr = "Percentage",
  y_scale_scl_fn = scales::percent,
  label_fill_1L_chr = "Data collection"
)
```

Arguments

```
data_tb         Data (a tibble)
var_nm_1L_chr   Variable name (a character vector of length one)
round_var_nm_1L_chr
```
                    Round variable name (a character vector of length one), Default: 'round'

```
x_label_1L_chr  X label (a character vector of length one)
y_label_1L_chr  Y label (a character vector of length one), Default: 'Percentage'
y_scale_scl_fn  Y scale scale (a function), Default: scales::percent
label_fill_1L_chr
```
                    Label fill (a character vector of length one), Default: 'Data collection'

Value

Variable by round (a plot)

---

predictors_lup   *Predictors lookup table*

Description

A lookup table of the short name and long name of each predictor used in the models included with the youthu package.

Usage

```
predictors_lup
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 7 rows and 9 columns.

Details

A tibble

short_name_chr Short name (a character vector)

long_name_chr Long name (a character vector)

min_val_dbl Minimum value (a double vector)

max_val_dbl Maximum value (a double vector)

class_chr Class (a character vector)

increment_dbl Increment (a double vector)

class_fn_chr Class function (a character vector)

mdl_scaling_dbl Model scaling (a double vector)

covariate_lgl Covariate (a logical vector)

---

print_descv_stats_tbl   *Print descriptive statistics table*

Description

print_descv_stats_tbl() is a Print function that prints output to console Specifically, this function implements an algorithm to print descriptive statistics table. The function is called for its side effects and does not return a value.

Usage

```
print_descv_stats_tbl(
  df,
  bl_fup_vals_chr = c("Baseline", "Follow-up"),
  caption_1L_chr = NULL,
  header_col_nms_chr = NULL,
  mkdn_tbl_ref_1L_chr = NULL,
  output_type_1L_chr,
  round_var_nm_1L_chr,
  test_1L_lgl = F,
  variable_nms_chr
)
```

Arguments

df   Data.frame (a data.frame)

bl_fup_vals_chr

                        Baseline follow-up values (a character vector), Default: c("Baseline", "Follow-
                        up")

caption_1L_chr Caption (a character vector of length one), Default: NULL

header_col_nms_chr

                        Header column names (a character vector), Default: NULL

mkdn_tbl_ref_1L_chr

                        Markdown table reference (a character vector of length one), Default: NULL

output_type_1L_chr

                        Output type (a character vector of length one)

round_var_nm_1L_chr

                        Round variable name (a character vector of length one)

test_1L_lgl   Test (a logical vector of length one), Default: F

variable_nms_chr

                        Variable names (a character vector)

---

prototype_lup   *Class prototype lookup table*

Description

Metadata on classes used in readyforwhatsnext suite

Usage

```
prototype_lup
```

Format

An object of class ready4_class_pt_lup (inherits from ready4_class_pt_lup, tbl_df, tbl,
data.frame) with 28 rows and 6 columns.

Details

A tibble

type_chr Type (a character vector)

val_chr Value (a character vector)

pt_ns_chr Prototype namespace (a character vector)

fn_to_call_chr Function to call (a character vector)

default_val_chr Default value (a character vector)

old_class_lgl Old class (a logical vector)

---

replication_popl_tb   *Synthetic population replication dataset*

Description

A purely synthetic dataset, representative of the original study data, that can be used for replication runs of package algorithms.

Usage

```
replication_popl_tb
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 1711 rows and 43 columns.

Details

A tibble

fkClientID unique client identifier

round round of data collection

d_interview_date date of data collection

d_age age

d_gender gender

d_sex_birth_s sex at birth

d_sexual_ori_s sexual orientation

d_ATSI Aboriginal or Torres Strait Islander

d_country_bir_s country Of birth

d_english_home speaks English at home

d_english_native native English speaker

d_studying_working education and employment status

d_relation_s relationship status

s_centre service centre name

c_p_diag_s primary diagnosis

c_clinical_staging_s clinical stage

k6_total Kessler Psychological Distress Scale (6 Dimension)

phq9_total Patient Health Questionnaire

bads_total Behavioural Activation for Depression Scale

gad7_total Generalised Anxiety Disorder Scale

oasis_total Overall Anxiety Severity and Impairment Scale

scared_total Screen for Child Anxiety Related Disorders

c_sofas Social and Occupational Functioning Assessment Scale

aqol6d_q1 Assessment of Quality of Life (6 Dimension) question 1

aqol6d_q2 Assessment of Quality of Life (6 Dimension) question 2

aqol6d_q3 Assessment of Quality of Life (6 Dimension) question 3

aqol6d_q4 Assessment of Quality of Life (6 Dimension) question 4

aqol6d_q5 Assessment of Quality of Life (6 Dimension) question 5

aqol6d_q6 Assessment of Quality of Life (6 Dimension) question 6

aqol6d_q7 Assessment of Quality of Life (6 Dimension) question 7

aqol6d_q8 Assessment of Quality of Life (6 Dimension) question 8

aqol6d_q9 Assessment of Quality of Life (6 Dimension) question 9

aqol6d_q10 Assessment of Quality of Life (6 Dimension) question 10

aqol6d_q11 Assessment of Quality of Life (6 Dimension) question 11

aqol6d_q12 Assessment of Quality of Life (6 Dimension) question 12

aqol6d_q13 Assessment of Quality of Life (6 Dimension) question 13

aqol6d_q14 Assessment of Quality of Life (6 Dimension) question 14

aqol6d_q15 Assessment of Quality of Life (6 Dimension) question 15

aqol6d_q16 Assessment of Quality of Life (6 Dimension) question 16

aqol6d_q17 Assessment of Quality of Life (6 Dimension) question 17

aqol6d_q18 Assessment of Quality of Life (6 Dimension) question 18

aqol6d_q19 Assessment of Quality of Life (6 Dimension) question 19

aqol6d_q20 Assessment of Quality of Life (6 Dimension) question 20

---

repln_ds_dict_r3   *Data dictionary for study population dataset*

Description

A data dictionary of the variables used in the source and replication (synthetic) datasets for the First Bounce transfer to utility study

Usage

```
repln_ds_dict_r3
```

Format

An object of class `ready4_dictionary` (inherits from `tbl_df`, `tbl`, `data.frame`) with 47 rows and 4 columns.

Details

A tibble

var_nm_chr Variable name (a character vector)

var_ctg_chr Variable category categories (a character vector)

var_desc_chr Variable description (a character vector)

var_type_chr Variable type (a character vector)

```
transform_ds_for_tstng
```
Transform dataset for testing

Description

transform_ds_for_tstng() is a Transform function that edits an object in such a way that core object attributes - e.g. shape, dimensions, elements, type - are altered. Specifically, this function implements an algorithm to transform dataset for testing. Function argument data_tb specifies the object to be updated. Argument depnt_var_nm_1L_chr provides the object to be updated. The function returns Transformed data (a tibble).

Usage

```
transform_ds_for_tstng(
  data_tb,
  depnt_var_nm_1L_chr = "aqol6d_total_w",
  dep_var_max_val_1L_dbl = 0.999,
  candidate_predrs_chr = NA_character_,
  covar_var_nms_chr = NA_character_,
  round_var_nm_1L_chr = "round",
  round_val_1L_chr = "Baseline",
  remove_all_msng_1L_lgl = F
)
```

Arguments

```
data_tb          Data (a tibble)
depnt_var_nm_1L_chr
```
                 Dependent variable name (a character vector of length one), Default: 'aqol6d_total_w'

```
dep_var_max_val_1L_dbl
```
                 Dep variable maximum value (a double vector of length one), Default: 0.999

```
candidate_predrs_chr
```
                 Candidate predictors (a character vector), Default: 'NA'

```
covar_var_nms_chr
```
                 Covariate variable names (a character vector), Default: 'NA'

```
round_var_nm_1L_chr
```
                        Round variable name (a character vector of length one), Default: 'round'
```
round_val_1L_chr
```
                        Round value (a character vector of length one), Default: 'Baseline'
```
remove_all_msng_1L_lgl
```
                        Remove all missing (a logical vector of length one), Default: F

Value

Transformed data (a tibble)

```
transform_raw_ds_for_analysis
```
                        Transform raw dataset for analysis

Description

transform_raw_ds_for_analysis() is a Transform function that edits an object in such a way that core object attributes - e.g. shape, dimensions, elements, type - are altered. Specifically, this function implements an algorithm to transform raw dataset for analysis. Function argument raw_ds_tb specifies the object to be updated. The function returns Transformed dataset (a tibble).

Usage

```
transform_raw_ds_for_analysis(raw_ds_tb)
```

Arguments

raw_ds_tb   Raw dataset (a tibble)

Value

Transformed dataset (a tibble)

```
validate_youthvars_aqol6d_adol
```
                        Validate youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Description

Validate an instance of the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Usage

```
validate_youthvars_aqol6d_adol(x)
```

Arguments

x   An unvalidated instance of the youthvars S3 class for Assessment of Quality of
                       Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Details

youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent
Version (AQoL6d Adolescent))

Value

A prototpe for youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility -
Adolescent Version (AQoL6d Adolescent))

---

validate_youthvars_bads

*Validate youthvars S3 class for Behavioural Activation for Depression
Scale (BADS) scores*

Description

Validate an instance of the youthvars S3 class for Behavioural Activation for Depression Scale
(BADS) scores

Usage

```
validate_youthvars_bads(x)
```

Arguments

x   An unvalidated instance of the youthvars S3 class for Behavioural Activation for
                       Depression Scale (BADS) scores

Details

youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Value

A prototpe for youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

---

validate_youthvars_gad7

Validate youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

---

Description

Validate an instance of the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Usage

```
validate_youthvars_gad7(x)
```

Arguments

x   An unvalidated instance of the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Details

youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Value

A prototpe for youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

---

validate_youthvars_k6   *Validate youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores*

Description

Validate an instance of the youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Usage

```
validate_youthvars_k6(x)
```

Arguments

x   An unvalidated instance of the youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Details

youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Value

A prototpe for youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

---

validate_youthvars_oasis

Validate youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

---

Description

Validate an instance of the youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Usage

```
validate_youthvars_oasis(x)
```

Arguments

x   An unvalidated instance of the youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Details

youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Value

A prototpe for youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

---

validate_youthvars_phq9

Validate youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

---

Description

Validate an instance of the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Usage

```
validate_youthvars_phq9(x)
```

Arguments

x   An unvalidated instance of the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Details

youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Value

A prototpe for youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

---

```
validate_youthvars_scared
```
Validate youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

---

Description

Validate an instance of the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Usage

```
validate_youthvars_scared(x)
```

Arguments

x   An unvalidated instance of the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Details

youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Value

A prototpe for youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

---

```
validate_youthvars_sofas
```
Validate youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Description

Validate an instance of the youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Usage

```
validate_youthvars_sofas(x)
```

Arguments

x	An unvalidated instance of the youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Details

youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Value

A prototpe for youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

---

write_all_outp_dirs   *Write all output directories*

Description

write_all_outp_dirs() is a Write function that writes a file to a specified local directory. Specifically, this function implements an algorithm to write all output directories. The function returns Paths (a list).

Usage

```
write_all_outp_dirs(paths_ls)
```

Arguments

paths_ls	Paths (a list)

Value

Paths (a list)

---

write_descv_tbls   *Write descriptive tables*

Description

write_descv_tbls() is a Write function that writes a file to a specified local directory. Specifically, this function implements an algorithm to write descriptive tables. The function returns Descriptive table (a list).

Usage

```
write_descv_tbls(
  data_tb,
  ds_descvs_ls,
  predictors_lup,
  descv_outp_dir_1L_chr,
  nbr_of_digits_1L_int = 2
)
```

Arguments

`data_tb`	Data (a tibble)
`ds_descvs_ls`	Dataset descriptives (a list)
`predictors_lup`	Predictors (a lookup table)
`descv_outp_dir_1L_chr`	
	Descriptive output directory (a character vector of length one)
`nbr_of_digits_1L_int`	
	Number of digits (an integer vector of length one), Default: 2

Value

Descriptive table (a list)

---

youthvars_aqol6d_adol   *youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))*

Description

Create a new valid instance of the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Usage

```
youthvars_aqol6d_adol(x = make_pt_youthvars_aqol6d_adol())
```

Arguments

x	A prototype for the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent)), Default: make_pt_youthvars_aqol6d_adol()

Details

youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

Value

A validated instance of the youthvars S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent))

---

youthvars_bads	*youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores*

Description

Create a new valid instance of the youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Usage

```
youthvars_bads(x = make_pt_youthvars_bads())
```

Arguments

x   A prototype for the youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores, Default: make_pt_youthvars_bads()

Details

youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

Value

A validated instance of the youthvars S3 class for Behavioural Activation for Depression Scale (BADS) scores

---

youthvars_gad7	*youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores*

Description

Create a new valid instance of the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Usage

```
youthvars_gad7(x = make_pt_youthvars_gad7())
```

Arguments

x   A prototype for the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores, Default: make_pt_youthvars_gad7()

Details

youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

Value

A validated instance of the youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores

---

youthvars_k6   *youthvars S3 class for Kessler Psychological Distress Scale (K6) - US*
                                Scoring System scores

Description

Create a new valid instance of the youthvars S3 class for Kessler Psychological Distress Scale (K6)
- US Scoring System scores

Usage

```
youthvars_k6(x = make_pt_youthvars_k6())
```

Arguments

x   A prototype for the youthvars S3 class for Kessler Psychological Distress Scale
                      (K6) - US Scoring System scores, Default: make_pt_youthvars_k6()

Details

youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores

Value

A validated instance of the youthvars S3 class for Kessler Psychological Distress Scale (K6) - US
Scoring System scores

---

youthvars_oasis   *youthvars S3 class for Overall Anxiety Severity and Impairment Scale*
                                (OASIS) scores

Description

Create a new valid instance of the youthvars S3 class for Overall Anxiety Severity and Impairment
Scale (OASIS) scores

Usage

```
youthvars_oasis(x = make_pt_youthvars_oasis())
```

Arguments

x   A prototype for the youthvars S3 class for Overall Anxiety Severity and Impair-
                      ment Scale (OASIS) scores, Default: make_pt_youthvars_oasis()

Details

youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Value

A validated instance of the youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

---

youthvars_phq9	*youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores*

Description

Create a new valid instance of the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Usage

```
youthvars_phq9(x = make_pt_youthvars_phq9())
```

Arguments

x	A prototype for the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores, Default: make_pt_youthvars_phq9()

Details

youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

Value

A validated instance of the youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores

---

youthvars_scared	*youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores*

Description

Create a new valid instance of the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Usage

```
youthvars_scared(x = make_pt_youthvars_scared())
```

Arguments

x	A prototype for the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores, Default: make_pt_youthvars_scared()

Details

youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Value

A validated instance of the youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

---

youthvars_sofas	*youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)*

Description

Create a new valid instance of the youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Usage

```
youthvars_sofas(x = make_pt_youthvars_sofas())
```

Arguments

x   A prototype for the youthvars S3 class for Social and Occupational Functioning
                         Assessment Scale (SOFAS), Default: make_pt_youthvars_sofas()

Details

youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Value

A validated instance of the youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Index