

Package ‘youthvars’

April 7, 2021

Title Youth Mental Health Variables Modelling Toolkit

Version 0.0.0.9013

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 tools contained in this development release automate a number of tasks which MODIFY THE DIRECTORY STRUCTURE OF YOUR LOCAL MACHINE. Therefore you should only trial this software if you feel confident that you understand what it does and have created a sandpit area in which you can safely undertake testing. If you have any questions, please contact the authors (matthew.hamilton@orygen.org.au). 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.

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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 dplyr,
Hmisc,
hutils,
knitr,
knitrBootstrap,
lifecycle,
magrittr,
methods,
mice,
purrr,

ready4show (\geq 0.0.0.9017),
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 rlang,
 simstudy,
 stats,
 stringr,
 testthat,
 tibble,
 tidyselect,
 utils

VignetteBuilder knitr

Depends R (\geq 2.10)

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

R topics documented:

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youthvars-package	<i>youthvars: Youth Mental Health Variables Modelling Toolkit</i>
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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 tools contained in this development release automate a number of tasks which **MODIFY THE DIRECTORY STRUCTURE OF YOUR LOCAL MACHINE**. Therefore you should only trial this software if you feel confident that you understand what it does and have created a sandpit area in which you can safely undertake testing. If you have any questions, please contact the authors (matthew.hamilton@orygen.org.au). 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.

Details

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

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- 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 339 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)

add_adol6d_scores	<i>Add adol6d scores</i>
-------------------	--------------------------

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 adol6d 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"
)
```

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
Id var name (a character vector of length one), Default: 'fkClientID'

wtd_aqol_var_nm_1L_chr
Wtd Assessment of Quality of Life var name (a character vector of length one),
Default: 'aqol6d_total_w'

Value

Transformed Assessment of Quality of Life (a tibble)

adol_dim_scalg_eqs_lup	<i>AQoL6D (adolescent) item worst weightings equations lookup table</i>
------------------------	---

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_coeffs_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_coeffs_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 Var name (a character vector)

coeff_dbl Coeff (a double vector)

Source

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

aqol_scrg_dict_r3	<i>Data dictionary for AQoL scoring</i>
-------------------	---

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 59 rows and 4 columns.

Details

A tibble

var_nm_chr Var name (a character vector)

var_cat_chr Var cat (a character vector)

var_desc_chr Var description (a character vector)

var_type_chr Var type (a character vector)

fns_dmt_tb	<i>youthvars function documentation table</i>
------------	---

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 23 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	<i>Function type lookup table</i>
----------------	-----------------------------------

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 37 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)

is_youthvars_aqol6d_adol

Is First Bounce 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 First Bounce 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

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

is_youthvars_bads

Is First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Description

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

Usage

is_youthvars_bads(x)

Arguments

x An object of any type

Details

First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Value

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

is_youthvars_gad7	<i>Is First Bounce S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores</i>
-------------------	---

Description

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

Usage

is_youthvars_gad7(x)

Arguments

x An object of any type

Details

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

Value

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

is_youthvars_k6	<i>Is First Bounce S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores</i>
-----------------	--

Description

Check whether an object is a valid instance of the First Bounce 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

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

Value

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

is_youthvars_oasis	<i>Is First Bounce S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores</i>
--------------------	--

Description

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

Usage

is_youthvars_oasis(x)

Arguments

x	An object of any type
---	-----------------------

Details

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

Value

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

is_youthvars_phq9	<i>Is First Bounce S3 class for Patient Health Questionnaire (PHQ-9) scores</i>
-------------------	---

Description

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

Usage

is_youthvars_phq9(x)

Arguments

x	An object of any type
---	-----------------------

Details

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

Value

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

is_youthvars_scared	<i>Is First Bounce S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores</i>
---------------------	--

Description

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

Usage

is_youthvars_scared(x)

Arguments

x	An object of any type
---	-----------------------

Details

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

Value

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

is_youthvars_sofas	<i>Is First Bounce S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)</i>
--------------------	--

Description

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

Usage

is_youthvars_sofas(x)

Arguments

x	An object of any type
---	-----------------------

Details

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

Value

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

make_new_youthvars_aqol6d_adol

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

Description

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

Details

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

Value

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

make_new_youthvars_bads

Make new First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Description

Create a new unvalidated instance of the First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Usage

make_new_youthvars_bads(x)

Arguments

- x A prototype for the First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Details

First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Value

An unvalidated instance of the First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

make_new_youthvars_gad7

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

Description

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

Usage

make_new_youthvars_gad7(x)

Arguments

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

Details

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

Value

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

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

Description

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

Usage

make_new_youthvars_k6(x)

Arguments

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

Details

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

Value

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

make_new_youthvars_oasis
Make new First Bounce S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores

Description

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

Usage

make_new_youthvars_oasis(x)

Arguments

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

Details

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

Value

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

make_new_youthvars_phq9

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

Description

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

Usage

make_new_youthvars_phq9(x)

Arguments

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

Details

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

Value

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

make_new_youthvars_scared

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

Description

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

Usage

make_new_youthvars_scared(x)

Arguments

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

Details

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

Value

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

make_new_youthvars_sofas

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

Description

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

Usage

make_new_youthvars_sofas(x)

Arguments

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

Details

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

Value

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

make_pt_youthvars_aqol6d_adol

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

Description

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

Usage

make_pt_youthvars_aqol6d_adol()

Details

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

Value

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

make_pt_youthvars_bads

Make prototype First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Description

Create a new prototype for the First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Usage

make_pt_youthvars_bads()

Details

First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Value

A prototype for First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

make_pt_youthvars_gad7

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

Description

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

Usage

make_pt_youthvars_gad7()

Details

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

Value

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

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

Description

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

Usage

make_pt_youthvars_k6()

Details

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

Value

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

make_pt_youthvars_oasis *Make prototype First Bounce S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores*

Description

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

Usage

make_pt_youthvars_oasis()

Details

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

Value

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

`make_pt_youthvars_phq9`

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

Description

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

Usage

```
make_pt_youthvars_phq9()
```

Details

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

Value

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

`make_pt_youthvars_scared`

Make prototype First Bounce S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Description

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

Usage

```
make_pt_youthvars_scared()
```

Details

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

Value

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

make_pt_youthvars_sofas

Make prototype First Bounce S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Description

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

Usage

```
make_pt_youthvars_sofas()
```

Details

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

Value

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

make_tfd_repln_ds_dict_r3

Make transformed repln dataset dict

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 repln dataset dict ready4 s3. The function returns Transformed repln dataset dict (a ready4 S3).

Usage

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

Arguments

repln_ds_dict_r3

Repln dataset dict (a ready4 S3), Default: NULL

Value

Transformed repln dataset dict (a ready4 S3)

prototype_lup	<i>Class prototype lookup table</i>
---------------	-------------------------------------

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 27 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	<i>Synthetic population replication dataset</i>
---------------------	---

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
bad5_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 Var name (a character vector)
var_cat_chr Var cat (a character vector)
var_desc_chr Var description (a character vector)
var_type_chr Var type (a character vector)

validate_youthvars_aqol6d_adol

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

Description

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

Details

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

Value

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

validate_youthvars_bads

Validate First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Description

Validate an instance of the First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Usage

validate_youthvars_bads(x)

Arguments

- x An unvalidated instance of the First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Details

First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

Value

A prototype for First Bounce S3 class for Behavioural Activation for Depression Scale (BADs) scores

validate_youthvars_gad7

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

Description

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

Usage

validate_youthvars_gad7(x)

Arguments

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

Details

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

Value

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

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

Description

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

Usage

validate_youthvars_k6(x)

Arguments

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

Details

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

Value

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

validate_youthvars_oasis

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

Description

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

Usage

validate_youthvars_oasis(x)

Arguments

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

Details

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

Value

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

validate_youthvars_phq9

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

Description

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

Usage

validate_youthvars_phq9(x)

Arguments

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

Details

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

Value

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

validate_youthvars_scared

Validate First Bounce S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores

Description

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

Usage

validate_youthvars_scared(x)

Arguments

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

Details

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

Value

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

validate_youthvars_sofas

Validate First Bounce S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)

Description

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

Usage

validate_youthvars_sofas(x)

Arguments

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

Details

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

Value

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

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

Description

Create a new valid instance of the First Bounce 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 First Bounce S3 class for Assessment of Quality of Life Six Dimension Health Utility - Adolescent Version (AQoL6d Adolescent), Default: make_pt_youthvars_aqol6d_adol()

Details

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

Value

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

youthvars_bads	<i>First Bounce S3 class for Behavioural Activation for Depression Scale (BADS) scores</i>
----------------	--

Description

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

Usage

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

Arguments

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

Details

First Bounce S3 class for Behavioural Activation for Depression Scale (BADS) scores

Value

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

youthvars_gad7	<i>First Bounce S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores</i>
----------------	--

Description

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

Usage

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

Arguments

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

Details

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

Value

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

youthvars_k6	<i>First Bounce S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores</i>
--------------	---

Description

Create a new valid instance of the First Bounce 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 First Bounce S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores, Default: <code>make_pt_youthvars_k6()</code>
---	--

Details

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

Value

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

youthvars_oasis	<i>First Bounce S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores</i>
-----------------	---

Description

Create a new valid instance of the First Bounce 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 First Bounce S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores, Default: <code>make_pt_youthvars_oasis()</code>
---	---

Details

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

Value

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

youthvars_phq9	<i>First Bounce S3 class for Patient Health Questionnaire (PHQ-9) scores</i>
----------------	--

Description

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

Usage

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

Arguments

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

Details

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

Value

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

youthvars_scared	<i>First Bounce S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores</i>
------------------	---

Description

Create a new valid instance of the First Bounce 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 First Bounce S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores, Default: make_pt_youthvars_scared()

Details

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

Value

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

youthvars_sofas	<i>First Bounce S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)</i>
-----------------	---

Description

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

Usage

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

Arguments

x	A prototype for the First Bounce S3 class for Social and Occupational Functioning Assessment Scale (SOFAS), Default: <code>make_pt_youthvars_sofas()</code>
---	---

Details

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

Value

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

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