

# Package ‘youthvars’

May 12, 2021

**Title** Youth Mental Health Variables Modelling Toolkit

**Version** 0.0.0.9044

**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](mailto:matthew.hamilton@orygen.org.au)).

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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

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**Roxygen** list(markdown = TRUE)

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cowplot,  
dplyr,  
ggplot2,  
ggpubr,  
gridExtra,  
here,  
Hmisc,  
hutils,  
knitr,  
knitrBootstrap,  
lifecycle,  
lubridate,  
magrittr,  
Matrix,

matrixcalc,  
 methods,  
 mice,  
 psych,  
 purrr,  
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 ready4use ( $\geq 0.0.0.9132$ ),  
 rlang,  
 scales,  
 simstudy,  
 stats,  
 stringi,  
 stringr,  
 Surrogate,  
 testthat,  
 tibble,  
 tidyselect,  
 utils

**VignetteBuilder** knitr

**Depends** R ( $\geq 2.10$ )

**Remotes** ready4-dev/ready4show,  
 ready4-dev/ready4use,  
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**Suggests** rmarkdown

## R topics documented:

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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](mailto:matthew.hamilton@orygen.org.au)).

## 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	<i>Common abbreviations lookup table</i>
-------------------	--

---

**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 501 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	<i>Add Assessment of Quality of Life Six Dimension (Adolescent version) 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 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	<i>Add interval variable</i>
------------------	------------------------------

---

**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), Default: '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)

---

`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 57 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	<i>Is youthvars S3 class for Behavioural Activation for Depression Scale (BADs) scores</i>
-------------------	--

---

**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	<i>Is youthvars S3 class for Generalised Anxiety Disorder Scale (GAD-7) scores</i>
-------------------	--

---

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

---

**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	<i>Is youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores</i>
--------------------	---

---

**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	<i>Is youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores</i>
-------------------	--

---

**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	<i>Is youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores</i>
---------------------	---

---

**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	<i>Is youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)</i>
--------------------	---

---

### 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_descv_stats_tbl	<i>Make descriptive statistics table</i>
----------------------	--

---

### Description

make\_descv\_stats\_tbl() is a Make function that creates a new R object. Specifically, this function 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,  
  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)  
 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"  
)
```

**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'

**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 Related 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 Functioning 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	<i>Make sub total plots</i>
-------------------	-----------------------------

---

### 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
)
```

### 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)

### Value

Composite (a plot)

---

make_tfd_repln_ds_dict_r3	<i>Make transformed replication dataset dictionary</i>
---------------------------	--

---

### 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)

---

<code>predictors_lup</code>	<i>Predictors lookup table</i>
-----------------------------	--------------------------------

---

**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)

---

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  
**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** 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 prototype 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 prototype 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 prototype 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 prototype 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 prototype 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 prototype 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	<i>Write descriptive tables</i>
------------------	---------------------------------

---

**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 (BADSD) scores

---

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

---

**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	<i>youthvars S3 class for Kessler Psychological Distress Scale (K6) - US Scoring System scores</i>
--------------	--

---

**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	<i>youthvars S3 class for Overall Anxiety Severity and Impairment Scale (OASIS) scores</i>
-----------------	--

---

**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 Impairment 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	<i>youthvars S3 class for Patient Health Questionnaire (PHQ-9) scores</i>
----------------	---

---

**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	<i>youthvars S3 class for Screen for Child Anxiety Related Disorders (SCARED) scores</i>
------------------	--

---

**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: <code>make_pt_youthvars_scared()</code>
---	---

**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	<i>youthvars S3 class for Social and Occupational Functioning Assessment Scale (SOFAS)</i>
-----------------	--

---

**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: <code>make_pt_youthvars_sofas()</code>
---	--

**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)



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