

Package ‘ready4show’

April 7, 2021

Title Standardised Developer Tools for Sharing Insights from Projects
Developed with the Ready4 Suite

Version 0.0.0.9014

Description ready4show provides a set of classes and methods for authoring reports and user-interfaces that showcase insights generated by projects developed with the ready4 suite of tools for mental health data synthesis and modelling. This development version of the ready4show 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).

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URL <https://ready4-dev.github.io/ready4show/>,
<https://github.com/ready4-dev/ready4show>, <https://www.ready4-dev.com/>

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.1

Imports dplyr,
flextable,
ggfortify,
Hmisc,
kableExtra,
knitr,
knitrBootstrap,
lifecycle,
magrittr,
methods,
officer,
purrr,
ready4fun (>= 0.0.0.9285),
ready4use (>= 0.0.0.9117),
rlang,

rmarkdown,
testthat,
tibble,
xtable

VignetteBuilder knitr

Depends R (>= 2.10)

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

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ready4show-package	<i>ready4show: Standardised Developer Tools for Sharing Insights from Projects Developed with the Ready4 Suite</i>
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Description

ready4show provides a set of classes and methods for authoring reports and user-interfaces that showcase insights generated by projects developed with the ready4 suite of tools for mental health data synthesis and modelling. This development version of the ready4show 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).

Details

To learn more about ready4show, start with the vignettes: `browseVignettes(package = "ready4show")`

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- VicHealth [funder]
- Victoria University [funder]

See Also

Useful links:

- <https://ready4-dev.github.io/ready4show/>
- <https://github.com/ready4-dev/ready4show>
- <https://www.ready4-dev.com/>

abbreviations_lup	<i>Common abbreviations lookup table</i>
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Description

A lookup table for abbreviations commonly used in object names in the ready4showpackage.

Usage

abbreviations_lup

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 303 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)

fns_dmt_tb	<i>ready4u function documentation table</i>
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Description

Meta-data on each ready4u function used to create package documentation

Usage

fns_dmt_tb

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 6 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/ready4u/>

fn_type_lup_tb

Function type lookup table

Description

A lookup table to find descriptions for different types of functions used within the ready4show package suite.

Usage

fn_type_lup_tb

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 35 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)

make_eqn_ref	<i>Make eqn reference</i>
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Description

make_eqn_ref() is a Make function that creates a new R object. Specifically, this function implements an algorithm to make eqn reference. The function returns Eqn reference (a character vector of length one).

Usage

```
make_eqn_ref(eqn_nm_1L_chr, output_type_1L_chr)
```

Arguments

eqn_nm_1L_chr Eqn name (a character vector of length one)
output_type_1L_chr
Output type (a character vector of length one)

Value

Eqn reference (a character vector of length one)

make_rpvt_type_ls	<i>Make report type</i>
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Description

make_rpvt_type_ls() is a Make function that creates a new R object. Specifically, this function implements an algorithm to make report type list. The function returns Report type (a list).

Usage

```
make_rpvt_type_ls(rpvt_nm_1L_chr, rpvt_lup)
```

Arguments

rpvt_nm_1L_chr Report name (a character vector of length one)
rpvt_lup Report (a lookup table)

Value

Report type (a list)

print_table	<i>Print table</i>
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Description

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

Usage

```
print_table(
  data_tb,
  output_type_1L_chr = "PDF",
  use_rdocx_1L_lgl = F,
  caption_1L_chr = NA_character_,
  footnotes_chr = NA_character_,
  merge_row_idx_int = NA_integer_,
  digits_dbl = NULL,
  big_mark_1L_chr = " ",
  uselbls_as_col_nms_1L_lgl = F,
  scroll_box_args_ls = NULL,
  mkdn_tbl_ref_1L_chr,
  hline_after_ls = NULL,
  add_to_row_ls = NULL,
  sanitize_fn = getOption("xtable.sanitize.text.function", NULL)
)
```

Arguments

data_tb	Data (a tibble)
output_type_1L_chr	Output type (a character vector of length one), Default: 'PDF'
use_rdocx_1L_lgl	Use rdocx (a logical vector of length one), Default: F
caption_1L_chr	Caption (a character vector of length one), Default: 'NA'
footnotes_chr	Footnotes (a character vector), Default: 'NA'
merge_row_idx_int	Merge row index (an integer vector), Default: NA
digits_dbl	Digits (a double vector), Default: NULL
big_mark_1L_chr	Big mark (a character vector of length one), Default: ' '
uselbls_as_col_nms_1L_lgl	Use labels as column names (a logical vector of length one), Default: F
scroll_box_args_ls	Scroll box arguments (a list), Default: NULL
mkdn_tbl_ref_1L_chr	Markdown table reference (a character vector of length one)
hline_after_ls	Horizontal line after (a list), Default: NULL
add_to_row_ls	Add to row (a list), Default: NULL
sanitize_fn	Sanitize (a function), Default: getOption("xtable.sanitize.text.function", NULL)

write_mkdn_from_pkg	<i>Write markdown from package</i>
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Description

write_mkdn_from_pkg() is a Write function that writes a file to a specified local directory. Specifically, this function implements an algorithm to write markdown from package. The function is called for its side effects and does not return a value. **WARNING:** This function writes R scripts to your local environment. Make sure to only use if you want this behaviour

Usage

```
write_mkdn_from_pkg(  
  pkg_nm_1L_chr,  
  destn_dir_1L_chr = "Markdown",  
  overwrite_1L_lgl = F  
)
```

Arguments

pkg_nm_1L_chr Package name (a character vector of length one)
destn_dir_1L_chr Destn directory (a character vector of length one), Default: 'Markdown'
overwrite_1L_lgl Overwrite (a logical vector of length one), Default: F

write_rpvt	<i>Write report</i>
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Description

write_rpvt() is a Write function that writes a file to a specified local directory. Specifically, this function implements an algorithm to write report. The function returns Output smry (a list).

Usage

```
write_rpvt(  
  rpt_type_ls,  
  outp_smry_ls,  
  output_type_1L_chr = "PDF",  
  section_type_1L_chr = "#",  
  path_to_prjs_dir_1L_chr = "../.../.../Data/Project",  
  prt_dir_dir_1L_chr = "My_Project",  
  reports_dir_1L_chr = "Reports",  
  rltv_path_to_data_dir_1L_chr = "../Output",  
  nm_of_mkdn_dir_1L_chr = "Markdown",  
  push_copy_to_dv_1L_lgl = T  
)
```

Arguments

rprt_type_ls Report type (a list)
outp_smry_ls Output smry (a list)
output_type_1L_chr
 Output type (a character vector of length one), Default: 'PDF'
section_type_1L_chr
 Section type (a character vector of length one), Default: '#'
path_to_prjs_dir_1L_chr
 Path to prjs directory (a character vector of length one), Default: '.././../Data/Project'
prt_dir_dir_1L_chr
 Prt directory directory (a character vector of length one), Default: 'My_Project'
reports_dir_1L_chr
 Reports directory (a character vector of length one), Default: 'Reports'
rltv_path_to_data_dir_1L_chr
 Rltv path to data directory (a character vector of length one), Default: '../Output'
nm_of_mkdn_dir_1L_chr
 Name of markdown directory (a character vector of length one), Default: 'Mark-
 down'
push_copy_to_dv_1L_lgl
 Push copy to dataverse (a logical vector of length one), Default: T

Value

Output smry (a list)

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