Package 'ready4show'

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 developped 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

R topics documented:

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ready4show-package	*ready4show: Standardised Developer Tools for Sharing Insights from Projects Developed with the Ready4 Suite*

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")`

Author(s)

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- Orygen [copyright holder, funder]

- 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/>

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abbreviations_lup   *Common abbreviations lookup table*

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)

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fns_dmt_tb   *ready4u function documentation table*

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/

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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 *Make eqn reference*

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_rprt_type_ls   *Make report type*

Description

make_rprt_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_rprt_type_ls(rprt_nm_1L_chr, rprt_lup)
```

Arguments

rprt_nm_1L_chr   Report name (a character vector of length one)

rprt_lup   Report (a lookup table)

Value

Report type (a list)

---

print_table   *Print table*

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 = " ",
  use_lbls_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: ' '
`use_lbls_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`	Horizonal 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	*Write markdown from package*

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_rndrd_rprt   *Write rndrd report*

Description

write_rndrd_rprt() is a Write function that writes a file to a specified local directory. Specifically, this function implements an algorithm to write rndrd report. 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_rndrd_rprt(
  rprt_type_ls,
  params_ls = list(output_type_1L_chr = "HTML"),
  paths_to_fls_to_copy_chr = NA_character_,
  path_to_write_dirs_to_1L_chr = NA_character_,
  nm_of_mkdn_dir_1L_chr = "Markdown",
  path_to_rprt_dir_1L_chr = "./",
  overwrite_1L_lgl = T
)
```

Arguments

rprt_type_ls	Report type (a list)
params_ls	Params (a list), Default: list(output_type_1L_chr = "HTML")
paths_to_fls_to_copy_chr	
	Paths to files to copy (a character vector), Default: 'NA'
path_to_write_dirs_to_1L_chr	
	Path to write directories to (a character vector of length one), Default: 'NA'
nm_of_mkdn_dir_1L_chr	
	Name of markdown directory (a character vector of length one), Default: 'Markdown'
path_to_rprt_dir_1L_chr	
	Path to report directory (a character vector of length one), Default: './'
overwrite_1L_lgl	
	Overwrite (a logical vector of length one), Default: T

write_rprt   *Write report*

Description

write_rprt() 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_rprt(
  rprt_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: 'Markdown'

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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