

Package ‘IalsaSynthesis’

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Title Synthesizing Information Across Collaborating Research

Description Synthesizes information across collaborating research. Created specifically for Integrative Analysis of Longitudinal Studies of Aging (IALSA).

Version 0.1.3

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URL <https://github.com/IALSA/IalsaSynthesis>, <http://www.ialsa.org/>

BugReports <https://github.com/IALSA/IalsaSynthesis/issues>

Depends R(>= 3.0.0),
stats

Imports testit

Suggests devtools,
knitr,
readr,
testthat (>= 0.9)

License GPL-2

LazyData TRUE

VignetteBuilder knitr

Roxygen list(wrap = TRUE)

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IalsaSynthesis-package

Synthesizing Information Across Collaborating Research

Description

Synthesizing information across collaborating research. Created for [Integrative Analysis of Longitudinal Studies of Aging \(IALSA\)](#).

Note

The release version will be available through [CRAN](#). The most recent development version is available through [GitHub](#). Please see the installation examples below. If you're having trouble with the package, please install the development version. If this doesn't solve your problem, please create a [new issue](#), or email Will or Andrey.

Author(s)

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Examples

```
## Not run:
# Install/update IalsaSynthesis with the release version from CRAN.
install.packages('IalsaSynthesis')

# Install/update IalsaSynthesis with the development version from GitHub
#install.packages('devtools') #Uncomment if `devtools` isn't installed already.
devtools::install_github('IALSA/IalsaSynthesis')

## End(Not run)
```

extract

Extract the values within model output files.

Description

Functions that extract the values within model output files.

Usage

```
extract_output_filename(mplus_output)
```

Arguments

mplus_output Text containing model output.

Value

A numeric value corresponding to the desired quantity.

Author(s)

Will Beasley

Examples

```
library(IalsaSynthesis) #Load the package into the current R session.
```

validate	<i>Functions that check the validity of values throughout the workflow.</i>
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Description

These functions help identify mistakes in formatting before the create difficult-to-diagnose problems later.

Usage

```
validate_filename_output(filename, path, file_extension_expected = "out",  
  underscore_count_expected = 4L)
```

Arguments

filename	The name of the file to be validated.
path	The location of the file to be validated.
file_extension_expected	The extension of the file. This defaults to "out", which corresponds to Mplus output.
underscore_count_expected	The number of underscores required in the name (not currently used).

Value

An invisible TRUE value if the filename is valid. Otherwise, an error is thrown.

Author(s)

Will Beasley

Examples

```
library(IalsaSynthesis) #Load the package into the current R session.  
## Not run:  
path <- "../studies/eas"  
good_name <- "u1_male_aehplus_muscle_noCog_hand_noCogSpec.out"  
validate_filename_output(good_name, path)  
  
bad_name <- "missing_something.outtttt"  
validate_filename_output(bad_name, path)  
  
## End(Not run)
```

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