

Package ‘IalsaSynthesis’

May 26, 2015

Title Synthesizing Information Across Collaborating Research

Description Synthesizing information across collaborating research. Created for Integrative Analysis of Longitudinal Studies of Aging (<http://www.ialsa.org/>).

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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)

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LazyData TRUE

VignetteBuilder knitr

Roxygen list(wrap = TRUE)

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extract	<i>Extract the values within model output files.</i>
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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.
```

IalsaSynthesis	<i>IalsaSynthesis.</i>
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Description

IalsaSynthesis.

validate*Functions that check the validity of values throughout the workflow.*

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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