

Package ‘IalsaSynthesis’

September 2, 2015

Title Synthesizing Information Across Collaborating Research

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

Version 0.1.6

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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

NeedsCompilation no

Repository CRAN

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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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[Andrey Koval](#) –Post Doc, [University of Victoria, Department of Psychology](#)

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

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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