Package 'melviewr'

December 4, 2016

Type Package

Title View and Classify MELODIC Output for ICA+FIX

Version 0.0.0.9000

Description More about what it does (maybe more than one line)
Use four spaces when indenting paragraphs within the Description.

License GPL-3

Encoding UTF-8

LazyData true

Imports gtools, RColorBrewer, RNifti, grDevices, RGtk2, cairoDevice, methods, jsonlite

Depends gWidgetsRGtk2, gWidgets

RoxygenNote 5.0.1

NeedsCompilation no

Author Andrew Poppe [aut, cre]

Maintainer Andrew Poppe <Poppe076@gmail.com>

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`melviewr-package` *melviewr: A viewer for MELODIC output and ICA+FIX classification.*

Description

The melviewr package allows the user to easily view and classify MELODIC output for the purposes of later running ICA+FIX. The user categorizes a component as signal or noise based on its spatial characteristics as well as its temporal profile. melviewr can then save a text file of these classifications in the format required by ICA+FIX.

melviewr functions

melviewr

melviewr *melviewr*

Description

View and Classify Components from a Melodic Analysis

Usage

```
melviewr(melodic_dir, standard_file = NULL, motion_file = NULL)
```

Arguments

melodic_dir	string Path to MELODIC output directory. This directory must include a melodic_IC.nii or melodic_IC.nii.gz file.
standard_file	string Optional path to a 3-dimensional Nifti standard file of the same voxel dimensions as the melodic output
motion_file	string Optional path to a summary motion text file. This file should have one column and as many rows as there are volumes in the functional data

Value

Invisibly returns a reference class object of class "Viewr"

Examples

```
## Not run:
melodic_dir <- system.file("extdata", "example.ica", package = "melviewr")
standard_file <- system.file("extdata", "MNI152_T1_2mm_brain.nii.gz", package = "melviewr")
motion_file <- system.file("extdata", "Movement_RelativeRMS.txt", package = "melviewr")
melviewr(melodic_dir)
melviewr(melodic_dir, standard_file)
melviewr(melodic_dir, standard_file, motion_file)

## End(Not run)
```

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