Package 'RcmdrPlugin.MAd'

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Type Package

Title Meta-Analysis with Mean Differences (MAd) Rcmdr Plug-in

Version 0.6.2

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Author AC Del Re

Maintainer AC Del Re <acdelre@gmail.com>

Description This is an R-Commander plug-in for the MAd package (Meta-Analysis with Mean Differences). This package enables the user to conduct a meta-analysis in a menu-driven, graphical user interface environment (e.g., SPSS), while having the full statistical capabilities of R and the MAd package. The MAd package itself contains a variety of useful functions for conducting a research synthesis with mean differences data. One of the unique features of the MAd package is in its integration of user-friendly functions to complete many of the statistical steps involved in a meta-analysis with mean differences. It uses recommended procedures as described in The Handbook of Research Synthesis and Meta-Analysis (Cooper, Hedges, & Valentine, 2009).

Depends R (>= 2.13.0), Rcmdr, MAd

Suggests ggplot2, metafor

Enhances compute.es

License GPL-2

Log-Exceptions

Models

URL http://rwiki.sciviews.org/doku.php?id=packages:cran:ma_meta-analysis

Repository CRAN

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R topics documented:

`RcmdrPlugin.MAd-package`
Meta-Analysis with Mean Differences (MAd) Rcmdr Plug-in

Description

This package provides an Rcmdr plug-in for the **MAd** package, which is useful for conducting meta-analyses with mean differences data. This package will run all of the meta-analytic functions from the **MAd** package though a familiar Graphical User Interface (GUI) environment (e.g., SPSS). For more details regarding the **MAd** package, please see the **MAd** link on the CRAN website http://CRAN.R-project.org/package=MAd

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Type:	Package
Version:	0.6.2
Date:	2011-06-21
License:	GPL-2
LazyLoad:	yes

Author(s)

AC Del Re

Maintainer: AC Del Re <acdelre@gmail.com>

References

AC Del Re (2010). *MAd: Meta-Analysis with Mean Differences*. R package version 0.6. http://CRAN.R-project.org/package=MAd

See Also

MAd package: http://CRAN.R-project.org/package=MAd; **MAc** package: http://CRAN.R-project.org/package=MAc; **RcmdrPlugin.MAc** package: http://CRAN.R-project.org/package=RcmdrPlugin.MAc

Examples

```
# Implementing the RcmdrPlugin.MAd package:

# 1.  Consider beginning the meta-analysis project using Excel (or a similar program).
# 2.  Import the worksheet or data into R:
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```
# 2a. Save main data file (spreadsheet) to a .csv file
# 2b. Import the .csv data file using setwd() into R by setting the R working
#     directory to the location of your .csv data file. e.g., at the R command prompt
#     type: setwd("C:/Users/Desktop/R")
#     Or, if preferred, use the R menu: File --> Change Dir --> (location of .csv file)
# 2c. Then, use a similar command to import the data, e.g.:
#     mydata <- read.csv("MetaData.csv", header=TRUE,na.strings="")
#     Where 'mydata' is the name of the 'object' that the data file will be saved as,
#     which can be recalled by typing the name of the object and hitting return. This
#     name can be any desired name. Withing the parentheses of the command, be sure
#     to match the name of the .csv exactly as named in the saved .csv file. Note:
#     If the file successfully imports there will be no feedback regarding the import.
#     Checking to see if the file imported successfully, type ls() at the command prompt
#     and the name of the file should appear on the screen.
# 3a. Next step is to download the RcmdrPlugin.MAd package (and other relevant packages
#     if they are not automatically downloaded). This package will allow the user to
#     conduct their meta-analysis (using the MAd package) in a menu-driven Graphical
#     User Interface (GUI) environment, which is similar to the format of the SPSS
#     program. To download the RcmdrPlugin.MAd package, open R locally and look toward
#     the top where the pull-down menus reside. Click on: Packages --> (select a
#     CRAN mirror--find any mirror that is in relatively close proximity,
#     if possible) --> (scroll down to RcmdrPlugin.MAd and click on it).
# 3b. After the package(s) are downloaded, type: library(RcmdrPlugin.MAd) at the R
#     command prompt. This will load the Rcmdr GUI with the MAd package's meta-analysis
#     functions in its own pull-down menu (on the top right of the program). From
#     here, the researcher can use the pull-down menu to run all analyses. The first
#     step in analyzing data is to click to the right of 'Data set' (top left) that
#     says <No active dataset> and then select the data file that was just imported.
#     If the imported data file does not show up then it was not
#     imported properly. Otherwise, everything should be ready to run!
```

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