

Package ‘RcmdrPlugin.MAc’

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Type Package

Title Meta-Analysis with Correlations (MAc) Rcmdr Plug-in

Version 1.0.9

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Description This is an R-Commander plug-in for the MAc package (Meta-Analysis with Correlations). 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 MAc package. The MAc package itself contains a variety of useful functions for conducting a research synthesis with correlational data. One of the unique features of the MAc package is in its integration of user-friendly functions to complete the majority of statistical steps involved in a meta-analysis with correlations. It uses recommended procedures as described in The Handbook of Research Synthesis and Meta-Analysis (Cooper, Hedges, & Valentine,2009).

Depends R (>= 2.10.1), Rcmdr, MAc

Suggests ggplot2

License GPL-2

Log-Exceptions

Models

Repository CRAN

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RcmdrPlugin.MAc-package

Meta-Analysis with Correlations (MAc) Rcmdr Plug-in

Description

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

```
Package:    RcmdrPlugin.MAc-package
Type:      Package
Version:    1.0.9
Date:      2010-03-19
License:    GPL-2
LazyLoad:  yes
```

Author(s)

AC Del Re

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References

AC Del Re & William T. Hoyt (2010). *MAc: Meta-Analysis with Correlations*. R package version 1.0.7. <http://CRAN.R-project.org/package=MAc>

See Also

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

Examples

```
# Implementing the RcmdrPlugin.MAc package:

# 1. Begin the meta-analysis project using Excel (or a similar program) and be sure
#    to have a column for id (study id), r (correlation coefficients), and n (sample
```

```
# size). All other variables in the dataset (i.e., moderators) can be named to ones
# liking.
# Note: this package requires the names of the study id, correlation coefficient,
# and sample size of the studies in the imported file to be named exactly as
# stated above (id, r, n) or the functions will not output data.
# 2. Import the worksheet or data into R:
# 2a. Save main data file (excel or spss) to a .csv file (e.g., see save options in
# Excel)
# 2b. Import the .csv data file using setwd() 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:
# mydata <- read.csv("MetaData.csv", header=TRUE,na.strings="")
# Where 'mydata' is the name of the object the data file will be saved as and can
# be recalled by typing the name of the object and hitting return. This name can
# be any name that is desired. 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 about the import.
# Checking to see if the file imported successfully, at the command prompt type
# ls() and the name of the file should appear on the screen.
# 3a. Next step is to download the RcmdrPlugin.MAC package (and other relevant packages
# if they are not automatically downloaded). This package will allow the user to
# conduct their meta-analysis (using the MAC package) in a menu-driven Graphical
# User Interface (GUI) environment, which is similar to the format of the SPSS
# program. To download the RcmdrPlugin.MAC 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.MAC and click on it).
# 3b. After the package(s) are downloaded, type: library(RcmdrPlugin.MAC) at the R
# command prompt. This will load the Rcmdr GUI with the MAC 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 click on the data file that was just imported.
# If the data file that was just imported does not show up then it was not
# imported. Otherwise, everything should be ready to run!
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