Package ‘MDSGUI’

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Type Package
Title A GUI for interactive MDS in R
Version 0.1.6
Date 2012-08-28
Author Andrew Timm and Sugnet Gardner-Lubbe
Maintainer Andrew Timm <timmand@gmail.com>
Depends MASS, boot, RColorBrewer, scatterplot3d, tcltk, tcltk2, tkrplot, rpanel, graphics, rgl
Description A graphical user interface (GUI) for performing Multidimensional Scaling applications and interactively analysing the results all within the GUI environment. The MDS-GUI provides means of performing Classical Scaling, Least Squares Scaling, Metric SMACOF, Non-Metric SMACOF, Kruskal's Analysis and Sammon Mapping with animated optimisation.
License GPL (>= 3)
LazyLoad yes
OS_type windows
SystemRequirements windows, 'BWidget', 'Tktable'
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An R package providing access to the MDS-GUI

Description

A graphical user interface (GUI) for performing Multidimensional Scaling applications and interactively analysing the results all within the GUI environment. The MDS-GUI provides means of performing Classical Scaling, Least Squares Scaling, Metric SMACOF, Non-Metric SMACOF, Kruskals Analysis and Sammon Mapping with animated optimisation.

Details

- Package: MDSGUI
- Type: Package
- Version: 0.1
- Date: 2012-08-28
- License: GPL (>= 3)
- LazyLoad: yes

Note

The GUI was developed in R with the tcltk package. For the best results it is recommended that R-2.13.0 be used. Also, package version 2_1.1-5 of tcltk2 and 0.0-23 of tkrplot produce the best results.

Author(s)

Andrew Timm and Sugnet Gardner-Lubbe
Maintainer: Andrew Timm <timmand@gmail.com>

References

**Description**

A graphical user interface (GUI) for performing Multidimensional Scaling applications and interactively analysing the results all within the GUI environment. The MDS-GUI provides means of performing Classical Scaling, Least Squares Scaling, Metric SMACOF, Non-Metric SMACOF, Kruskals Analysis and Sammon Mapping with animated optimisation.

**Usage**

```r
MDSgui()
```

**Details**

MDSgui is the sole function available to the user from the MDSGUI package. The function calls the MDS-GUI (Multidimensional Scaling Graphical User Interface).

The function requires no parameters when called and data to be analysed is loaded from the MDS-GUI.

**Note**

The GUI was developed in R with the tcltk package. For the best results it is recommended that R-2.13.0 be used. Also, package version 2_1.1-5 of tcltk2 and 0.0-23 of tkrplot produce the best results.

**Author(s)**

Andrew Timm and Sugnet Gardner-Lubbe

**References**


**See Also**

Refer to the software User Manual and Vignette for information on the use of the MDS-GUI

**Examples**

```r
## Not run: MDSgui()
```
ShepFirstRun

A supporting function to the MDS-GUI

Description

This function is not intended for use by user. It is instead called upon by the MDS-GUI.

Note

This function was found to be most efficient when treated as an individual function and not nested within the MDSgui function. The function should not be used independently.

Author(s)

Andrew Timm

See Also

MDSgui
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