Package 'MDSGUI'

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Type Package

Title A GUI for interactive MDS in R

Version 0.1.6

Date 2012-08-28

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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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Contents

MDSGUI-package *An R package providing access to the MDS-GUI*

Description

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Details

-

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Type:	Package
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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

All MDS is based on the theory covered in "Multidimensional Scaling: Second Edition" by Cox, T.G. and Cox, M.A. (2001) and "Modern Multidimensional Scaling: Theory and Applications Second Edition" by Borg, I. and Groenen, P.J.F. (2005).

MDSgui *A GUI for interactive MDS in R*

Description

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Usage

```
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

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See Also

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

Examples

```
## 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 effiecient when treated as an individual function and not nested within the MDSgui function. The function should not be used independantly.

Author(s)

Andrew Timm

See Also

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