Package 'MSeasyTkGUI'

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Type Package

Title MSeasy Tcl/Tk Graphical User Interface

Version 5.2

Date 2011-09-06

Author Yann Guitton

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Depends R (>= 2.12.0), MSeasy, tcltk

Suggests xcms

Description A Tcl/Tk GUI for some basic functions in the MSeasy package

License GPL-2

URL http://sites.google.com/site/rpackagemseasy/

LazyLoad yes

R topics documented:

MSeasyTkGUI-package

MSeasyTkGUI

Description

MSeasyTkGUI is a user interface for MSeasy manly based on code from ade4TkGUI

Details

Package:	MSeasyTkGUI
Type:	Package
Version:	5.2
Date:	2011-09-06
License:	GPL-2
LazyLoad:	yes

Author(s)

Yann Guitton Maintainer: Yann Guitton <yann.guitton@univ-st-etienne.fr>

References

ade4TkGUI was used as source code for MSeasyTkGUI

MSeasyTkGUI	*Tcl/Tk GUI for the MSeasy package*

Description

A Tcl/Tk GUI for some basic functions in the `MSeasy` package. It was created on the basis of the ade4TkGUI package by Jean Thioulouse <jthioulouse@biomserv.univ-lyon1.fr>, Stephane Dray <dray@biomserv.univ-lyon1.fr>

Usage

```
MSeasyTkGUI()
```

Details

Right-click on MSeasy function buttons to get help on these functions. You can also click on the questionhead icon in the dialog windows. This displays the R help for the corresponding function.

In all dialog windows, entries can either be filled with a `"set"` button, or typed directly in the entry field. The `"set"` button displays a listbox with a list of available objects in the global environment.

Buttons

The first row of buttons (`- MSeasy -`) is used to format MS data (`Step 1- ...`) prior to the clustering (`Step 2- ...`), either from a tab-delimited text file exported from Excel (`User made file`), or from raw MS data files (`Agilent or ASCII files`; right-click on the button to get help and for details on MS data format).

The second block of buttons (`- Demonstration -`) gives access to `MSeasy` test datasets (`DataTest` or `DataClust`) by `Load an MSeasy dataset` or to predifined exemples of the MSeasy functions (like `MS.DataCreation, MS.clust...`).

Menu bar

The menu bar at the top of the window can be used to launch all the MSeasy functions. All theses menus are tear-off.

The `Menu` can be used to compile or cluster MS data as the buttons described above, and to quit R :

- `Help` allows to read MSeasy help files.

- `Quit R` opens a dialog window to ask if the environment should be saved before quitting R.

Author(s)

Yann Guitton <yann.guitton@gmail.com>

Examples

```
## Not run:
## Start the GUI
MSeasyTkGUI()

## End(Not run)
```

MSeasyTkGUI-internal

Internal functions for the MSeasyTkGUI package.

Description

Internal functions for the MSeasyTkGUI package

Details

These are not to be called by the user.

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