Package ‘cncaGUI’

February 19, 2015

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Type   Package
Title  Canonical Non-symmetrical Correspondence Analysis in R
Version  0.0-2
Date  2012-07-06
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Depends  R (>= 2.14.2), rgl (>= 0.92.858), tcltk (>= 2.14.2), tcltk2
       (>= 1.2-3), tkrplot (>= 0.0-23)
Description  Provides a GUI with which users can construct and interact
             with Canonical Non-symmetrical Correspondence Analysis.
License  GPL (>= 2)
Repository  CRAN
Date/Publication  2012-07-18 20:09:05
NeedsCompilation  no
SystemRequirements  Tcl/Tk package BWidget.

R topics documented:

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Description

Provides a GUI with which users can construct and interact with Canonical Non-symmetrical Correspondence Analysis

Details

Package: cncaGUI
Type: Package
Version: 0.0-2
Date: 2012-07-01
License: GPL (>=2)
LazyLoad: yes

Author(s)

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Description

Provides a GUI with which users can construct and interact with Canonical Non-symmetrical Correspondence Analysis

Usage

cnca(fespecies, fvambientales)

Arguments

fespecies a data frame with information about species
fvambientales a data frame with information about enviromental variables
Details

When the function is launched, firstly, you can change the names of the sets of species, variables and sites. Then, an options window is displayed where you can change the color, the size, the label and/or the symbol of an element or of a set of elements; to select the transformation data; to tick the checkbox to show the axes in the graph; to tick the checkbox to show the points representing the sites and to tick the checkbox to show the sites labels. Press the Graph button and choose the number of axes to be retained. When the graph will be shown the function will allow you to change characteristics of the points with the mouse. Press the right mouse button and a window will be displayed to change the color, the size, the label and/or the symbol of the nearest point of position clicked. Press the left mouse button and a window will be displayed to select one option: Change the position label, Remove label or Do nothing. Press the 3D button and a window will be displayed with the 3D-graph.

Value

A graph showing the data representation and an output file containing the contributions, qualities of representation, coordinates and eigen values

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References


Examples

data(especies)
data(variables)
cnca(especies, variables)

Description

12 species of hunting spiders caught in pitfall traps in a Dutch dune area Ter-Braak (1986).

Usage

data(especies)

Format

A data frame with 28 observations on 12 variables.
References


Examples

data(especies)

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<table>
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<tr>
<th>variables</th>
<th>Environmental variables data</th>
</tr>
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Description

Six environmental variables measured in 28 sites

Usage

data(variables)

Format

A data frame with 28 observations on 6 variables.

References


Examples

data(variables)
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