Package ‘GGEBiplotGUI’

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Type Package
Title GGEBiplotGUI: Interactive GGE Biplots in R
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Depends R (>= 2.14.2), rgl (>= 0.92.858), tcltk (>= 2.14.2), tkrplot
           (>= 0.0-23)
SystemRequirements BWidget
Description A GUI with which to construct and interact with GGE biplots.
License GPL (>= 2)
LazyData yes
NeedsCompilation no
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GGEBiplotGUI-package   GGEBiplotGUI: Interactive GGE Biplots in R

Description

  A GUI with which to construct and interact with GGE biplots.

Details
The GGEBiplotGUI package provides a graphical user interface for the construction of, interaction with, and manipulation of GGE biplots in R. Some of the functions of the package are: (i) ranking the cultivars based on their performance in any given environment, (ii) ranking the environments based on the relative performance of any given cultivar, (iii) comparing the performance of any pair of cultivars in different environments, (iv) identifying the best cultivar in each environment, (v) grouping the environments based on the best cultivars, (vi) evaluating the cultivars based on both average yield and stability and (vii) evaluating the environments based on both discriminating ability and representativeness. Three-dimensional biplots are incorporated via the rgl package. GGEBiplotGUI is designed to run under any of the major platforms (Windows, Linux and MacOS X). It will be necessary to install the toolkit "bwidget".

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GGEBiplot

Description

The GGEBiplotGUI package provides a graphical user interface for the construction of, interaction with, and manipulation of GGE biplots in R. Some of the functions of the package are: (i) ranking the cultivars based on their performance in any given environment, (ii) ranking the environments based on the relative performance of any given cultivar, (iii) comparing the performance of any pair of cultivars in different environments, (iv) identifying the best cultivar in each environment, (v) grouping the environments based on the best cultivars, (vi) evaluating the cultivars based on both average yield and stability and (vii) evaluating the environments based on both discriminating ability and representativeness. Three-dimensional biplots are incorporated via the rgl package.

Usage

GGEBiplot(Data)

Arguments

Data A data frame or matrix

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Ontario winter wheat (1993)

The sample data are yields from the 1993 Ontario winter wheat (Triticum aestivum L.) performance trials, in which 18 cultivars were tested at nine locations (Yan and Kang 2003).

Usage

data(Ontario)

Format

A data frame with 18 observations on the following 10 variables.

Source


Examples

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