

# Package ‘multibiplotGUI’

May 11, 2022

**Type** Package

**Title** Multibiplot Analysis in R

**Version** 1.1

**Date** 2022-05-10

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**Description** Provides a GUI with which users can construct and interact  
with Multibiplot Analysis.

**Depends** R (>= 3.1.1)

**Imports** rgl, tkrplot, tcltk, tcltk2, shapes, plotrix, MASS, Matrix,  
cluster, dendroextras, grDevices, graphics, stats, utils

**SystemRequirements** Tcl/Tk package BWidget.

**Repository** CRAN

**License** GPL (>= 2)

**Encoding** UTF-8

**NeedsCompilation** no

**Date/Publication** 2022-05-11 14:30:02 UTC

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multibiplotGUI-package

*Multibiplot Analysis package*

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### Description

Provides a GUI with which users can construct and interact with Multibiplot Analysis

### Details

Package: multibiplotGUI  
Type: Package  
Version: 1.1  
Date: 2022-05-11  
License: GPL (>=2)  
LazyLoad: yes

### Author(s)

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multibiplot

*Multibiplot Analysis in R*

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### Description

Provides a GUI with which users can construct and interact with Multibiplot Analysis

### Usage

```
multibiplot(x, ni)
```

### Arguments

x                    A data frame in which the different sets data have been juxtaposed  
ni                    A vector specifying the length of each set data

**Details**

see documentation When the function is launched, firstly, it is necessary to enter the number of tables to intervent in the analysis and choose a option in the dropdown menu. 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 and to tick the checkbox to show the axes in the graph. Press the Graph button and then 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, goodness of fit, coordinates and eigen values

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**References**

Baccala N (2004). “Contribuciones al analisis de matrices de datos multivaria: Tipologia de las variables.” Master’s thesis, Universidad de Salamanca.

**Examples**

```
data(iris)
multibiplot(iris[,-5], rep(50,3))
```

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