

Package: MVA (via r-universe)

September 17, 2024

Title An Introduction to Applied Multivariate Analysis with R

Date 2022-03-17

Version 1.0-8

Author Brian S. Everitt and Torsten Hothorn

Maintainer Torsten Hothorn <Torsten.Hothorn@R-project.org>

Description Functions, data sets, analyses and examples from the book
`An Introduction to Applied Multivariate Analysis with R'
(Brian S. Everitt and Torsten Hothorn, Springer, 2011).

Depends HSAUR2

Suggests mvtnorm, mclust, lattice, flexclust, nlme, RLRsim, multcomp,
ape, MASS, sem, KernSmooth, scatterplot3d

URL <http://dx.doi.org/10.1007/978-1-4419-9650-3>

License GPL-2

Encoding UTF-8

NeedsCompilation no

Date/Publication 2022-03-18 07:40:05 UTC

Repository <https://thothorn.r-universe.dev>

RemoteUrl <https://github.com/cran/MVA>

RemoteRef HEAD

RemoteSha 27285c3191d82292eaab67150b28faa195ded148

Contents

bvbox	2
chiplot	2
stalac	3
Index	4

bvbox *Bivariate Boxplot*

Description

Boxplots in two dimensions

Usage

```
bvbox(a, d = 7, mtitle = "Bivariate Boxplot", method = "robust",  
      xlab = "X", ylab = "Y", add = FALSE, ...)
```

Arguments

a	a matrix
d	dimension
mtitle	title
method	character
xlab	x axis label
ylab	y axis label
add	add to existing plot?
...	additional plot arguments

Details

See Chapter 2: Visualization.

chplot *Chi-squared Plot*

Description

Chi-squared plot for independence

Usage

```
chplot(x, y, ...)
```

Arguments

x	a numeric vector
y	a numeric vector
...	additional plot arguments

Details

See Chapter 2: Visualization.

stalac

Stalactite plot

Description

The stalactite plot, specifically designed for the detection and identification of multivariate outliers.

Usage

stalac(x)

Arguments

x numeric vector

Details

See Chapter 2: Visualization.

Index

* **plot**
 bvbox, 2
 chiplot, 2
 stalac, 3

bvbox, 2

chiplot, 2

stalac, 3