

Package ‘MVA’

July 16, 2026

Title An Introduction to Applied Multivariate Analysis with R

Version 1.0-10

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, ellipse

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

License GPL-2

Encoding UTF-8

NeedsCompilation no

Author Brian S. Everitt [aut],
Torsten Hothorn [aut, cre] (ORCID:
<https://orcid.org/0000-0001-8301-0471>>)

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

Repository CRAN

Date/Publication 2026-07-16 07:40:02 UTC

Contents

bvbox	2
chiplot	2
stalac	3
Index	4

bvbox	<i>Bivariate Boxplot</i>
-------	--------------------------

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	<i>Chi-squared Plot</i>
--------	-------------------------

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](#)