Package ‘MVA’

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Title  An Introduction to Applied Multivariate Analysis with R
Date  2015-07-28
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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
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**Bivariate Boxplot**

**Description**

Boxplots in two dimensions

**Usage**

```r
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.

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**Chi-squared Plot**

**Description**

Chi-squared plot for independence

**Usage**

```r
chiplot(x, y, ...)
```

**Arguments**

- `x`: a numeric vector
- `y`: a numeric vector
- `...`: additional plot arguments
Details

See Chapter 2: Visualization.

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**stalac**

*Stalactite plot*

Description

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

Usage

```r
stalac(x)
```

Arguments

- `x` numeric vector

Details

See Chapter 2: Visualization.
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