

Package ‘mecdf’

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Title Multivariate Empirical Cumulative Distribution Functions

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Description Multivariate empirical cumulative distribution functions, including both step functions and continuous functions.

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Depends s3x (>= 0.3.0)

Suggests mvtnorm

Repository CRAN

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deprecated *deprecated functions*

Description

Don't use.

Usage

```
mecdf.theme (theme)
```

Arguments

theme .

ecdfinv *univariate continuous ecdf inverse*

Description

This function computes the inverse of a univariate continuous ECDF, with no model correction. This function is deprecated. Unlike the mecdf function, it doesn't return a function, rather it returns a scalar value.

Usage

```
ecdfinv (x, p, sort=TRUE)
```

Arguments

x	A numeric vector.
p	Probability.
sort	Whether or not to sort the data. Unless the data is already sorted, this must be true.

vector. Note that a regular vector can be used as an argument, however it's meaning is ambiguous. If the model is univariate, vector arguments are equivalent to matrices with one column. If the model is multivariate, vector arguments, are equivalent to a matrices with one row.

plotbcdf *surface plots of bivariate cdfs*

Description

Prototype functions for plotting bivariate CDFs using three dimensional graphics. Note that setting regular to false, can be very slow. Also note bcdfplot and bcdf.plot are deprecated.

Usage

```
plotbcdf(m, ...)
## S3 method for class 'mecdf'
plotbcdf(m, regular=TRUE, res=16, ulim, vlim, ...)
## S3 method for class 'matrix'
plotbcdf(m, mmin=0, mmax=1, ..., labs)
bcdfplot (...)
bcdf.plot (...)
```

Arguments

m	Either an mecdf object or a square matrix.
regular	Logical (defaults to true), whether or not to use a regularly spaced grid. If false, the plot uses the actual data values.
res	Ignored unless regular is true. The number of points in both directions of the grid.
ulim	Ignored unless regular is true. A vector giving the minimum and maximum values for the first variable on the grid. Defaults to the minimum and maximum observed values.
vlim	Same as ulim, except for the second variable.
mmin	Minimum value.
mmax	Maximum value.
labs	.
...	.

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