

Package ‘bivariatemaps’

March 17, 2024

Title Creates Bivariate Maps

Version 1.3

Description

Contains functions to plot bivariate maps. For more info, see: Hidasi-Neto, J (2015) <<https://rfunctions.blogspot.com/2015/03/bivariate-maps-bivariatemap-function.html>>.

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Encoding UTF-8

Imports classInt, terra, base, graphics, stats

RoxygenNote 7.2.3

NeedsCompilation no

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bivariate.map	<i>bivariate.map: Create a Bivariate Map</i>
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Description

Creates a Bivariate Map using two rasters and a color matrix created with colmat() function.

Usage

```
bivariate.map(rasterx, rastery, colormatrix, nquantiles = 10)
```

Arguments

rasterx	raster
rastery	raster
colormatrix	color matrix from colmat() function
nquantiles	number of quantiles in color matrix (same as used when using colmat() function)

Value

A plot with the bivariate map.

Examples

```
# https://rfunctions.blogspot.com/2015/03/bivariate-maps-bivariatemap-function.html
```

colmat	<i>colmat: Create a Color Matrix</i>
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Description

Creates a color matrix to be used in bivariate.map() function.

Usage

```
colmat(
  nquantiles = 10,
  upperleft = "blue",
  upperright = "red",
  bottomleft = "grey",
  bottomright = "yellow",
  xlab = "x label",
  ylab = "y label"
)
```

Arguments

nquantiles	numeric variable for number of quantiles in color matrix
upperleft	upperleft color of color matrix
upperright	upperright color of color matrix
bottomleft	bottomleft color of color matrix
bottomright	bottomright color of color matrix
xlab	character variable
ylab	character variable

Value

Two outputs: a color matrix object to be used in `bivariate.map()` function, and a plot of the color matrix.

Examples

```
col.matrix<-colmat(nquantiles=10, xlab="My x label", ylab="My y label")
```

```
# https://rfunctions.blogspot.com/2015/03/bivariate-maps-bivariatemap-function.html
```

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