

Package ‘pcp’

June 14, 2022

Type Package

Title Parallel Coordinate Plot

Version 1.0

Date 2022-06-02

Author Chase Robertson

Maintainer Chase Robertson <crob873@aucklanduni.ac.nz>

Description Plots any convertible list of variables
as a series of lines between each observation's
[0,1] normalised values.

License GPL-2

R topics documented:

pcp 1

Index 3

pcp	<i>Parallel Coordinate Plot</i>
-----	---------------------------------

Description

Plots any convertible list of variables as a series of configurable lines between each observation's [0,1] normalised values.

Usage

```
pcp(data, col = 2, lwd = 1, lty = 1, ...)
```

Arguments

data	A list whose 2 or more items' coordinating values will be parallel plotted. Item vectors must be finite numeric, or convertible to finite numeric via factor/integer.
col	Color(s) to use for each coordinate line.
lwd	Line width(s) to use for each coordinate line.
lty	Line type(s) to use for each coordinate line.
...	Further graphical parameters to be passed to <code>graphics::matplot(...)</code>

Value

Returns a [0,1] normalised matrix constructed from argument `data`, with each list item from `data` as a named column. Character or factor type list items from `data` are cast to numeric with base `as.type(x)` methods.

Author(s)

Chase Robertson, University of Auckland

Examples

```
# basic usage
pcp(iris, col=iris$Species)

# can convert character-type vectors and/or recycle values
recycled <- list(x=0, y=1:2, z=c("a", "b", "c"))
pcp(recycled, col=1:3, lty=1:3, lwd=1:3)

# further graphical parameters passed to graphics::matplot
with_params <- list(x=1:12, y=month.abb, z=12:1)
pcp(with_params, cex=2, ylim=c(-1, 2), add=FALSE)
```

Index

pcp, [1](#)