Package ‘mountainplot’

July 13, 2017

Title  Mountain Plots, Folded Empirical Cumulative Distribution Plots
Version  1.2
Date  2017-07-12
License  GPL-3
LazyData  yes
Description  Lattice functions for drawing folded empirical cumulative distribution plots, or mountain plots. A mountain plot is similar to an empirical CDF plot, except that the curve increases from 0 to 0.5, then decreases from 0.5 to 1 using an inverted scale at the right side.
URL  https://github.com/kwstat/mountainplot
BugReports  https://github.com/kwstat/mountainplot/issues
VignetteBuilder  knitr
Imports  lattice, stats
Suggests  knitr, latticeExtra, testthat
RoxygenNote  6.0.1
NeedsCompilation  no
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mountainplot

**Description**

A mountain plot is similar to an empirical CDF, but decreases from .5 down to 1, using a separate scale on the right axis.

**Usage**

```r
mountainplot(x, data = NULL,
prepanel = "prepanel.mountainplot", panel = "panel.mountainplot",
ylab = gettext("folded empirical cdf"),
yscale.components = mountainplotyscale.components, scales = list(y = list(alternating = 3)), ...)
```

**Arguments**

- `x` Variable in the data.frame `data`.
- `data` A data frame
- `...` Other arguments
- `prepanel` The prepanel function. Default "prepanel.mountainplot".
- `panel` The panel function. Default "panel.mountainplot".
- `ylab` Vertical axis label.
- `yscale.components` Function for drawing left and right side axes.
- `scales` The "scales" argument used by lattice functions.
- `xlab` Horizontal axis label.

**Value**

A lattice object

**References**


Examples

data(singer, package = "lattice")
singer <- within(singer, {
  section <- voice.part
  section <- gsub(" 1", "", section)
  section <- gsub(" 2", "", section)
  section <- factor(section)
})
mountainplot(~height, data = singer, type='b')
mountainplot(~height|voice.part, data = singer, type='p')
mountainplot(~height|section, data = singer, groups=voice.part, type='l',
  auto.key=list(columns=4), as.table=TRUE)

panel.mountainplot

The panel function for mountainplot

Description

The panel function for mountainplot

Usage

panel.mountainplot(x, type = "s", groups = NULL, ref = TRUE, ...)

Arguments

x The data to be plotted.
type The type of ecdf line to use. Default is 's' square.
groups Variable to use for grouping
ref If TRUE, draw horizontal reference lines at 0,1
... Other arguments

prepanel.mountainplot

The prepanel function for mountainplot

Description

The prepanel function for mountainplot

Usage

prepanel.mountainplot(x, ...)


Arguments

x          The data to be plotted.
...        Other arguments
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