

Package ‘mekko’

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Type Package

Title Variable Width Bar Charts: Bar Mekko

Version 0.1.0

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Description Create variable width bar charts i.e. ```bar mekko``` charts to include important quantitative context. Closely related to mosaic, spine (or spinogram), matrix, submarine, olympic, Mondrian or product plots and tree maps.

Imports ggplot2 (>= 2.0.0)

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 5.0.1

Suggests knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

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barmekko *Create a bar mekko plot.*

Description

A smarter bar chart.

Usage

```
barmekko(data, x, y, width, values = FALSE)
```

Arguments

data	A data frame.
x	A categorical variable defining the width categories.
y	A numeric variable defining the bar height.
width	A numeric variable defining the bar widths
values	A boolean indicating whether to show value labels in bars

Value

A bar mekko constructed with ggplot2.

Examples

```
library(ggplot2)
df <- data.frame(
  region = c('Northeast', 'Southeast', 'Central', 'West'),
  sales = c(1200, 800, 450, 900),
  avg_margin = c(3.2, -1.4, 0.1, 2.1)
)
barmekko(df, region, avg_margin, sales)
barmekko(df, region, avg_margin, sales) + labs(title = 'Margins by Region')
barmekko(df[order(-df$sales),], region, avg_margin, sales)
barmekko(df[order(-df$avg_margin),], region, avg_margin, sales)
```

positions *Calculate positions from widths.*

Description

Calculate positions from widths.

Usage

```
positions(width)
```

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Arguments

width A numeric vector of bar widths.

Value

A numeric vector of bar positions.

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