Package ‘mekko’

October 13, 2022

Type  Package
Title  Variable Width Bar Charts: Bar Mekko
Version  0.1.0
Maintainer  Eric Rynerson <eric.rynerson@gmail.com>
Description  Create variable width bar charts i.e.
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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**

```r
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)
positions

Arguments

width A numeric vector of bar widths.

Value

A numeric vector of bar positions.
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