

# Package ‘mekko’

January 3, 2018

**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. ```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

**Author** Eric Rynerson [cre, aut],  
Julius Vainora [ctb]

**Repository** CRAN

**Date/Publication** 2018-01-03 12:20:48 UTC

## R topics documented:

barmekko . . . . .	2
positions . . . . .	2

<b>Index</b>	<b>4</b>
--------------	----------

---

barmekko	<i>Create a bar mekko plot.</i>
----------	---------------------------------

---

**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	<i>Calculate positions from widths.</i>
-----------	---

---

**Description**

Calculate positions from widths.

**Usage**

```
positions(width)
```

*positions*

3

**Arguments**

width            A numeric vector of bar widths.

**Value**

A numeric vector of bar positions.

# Index

barmekko, 2

positions, 2