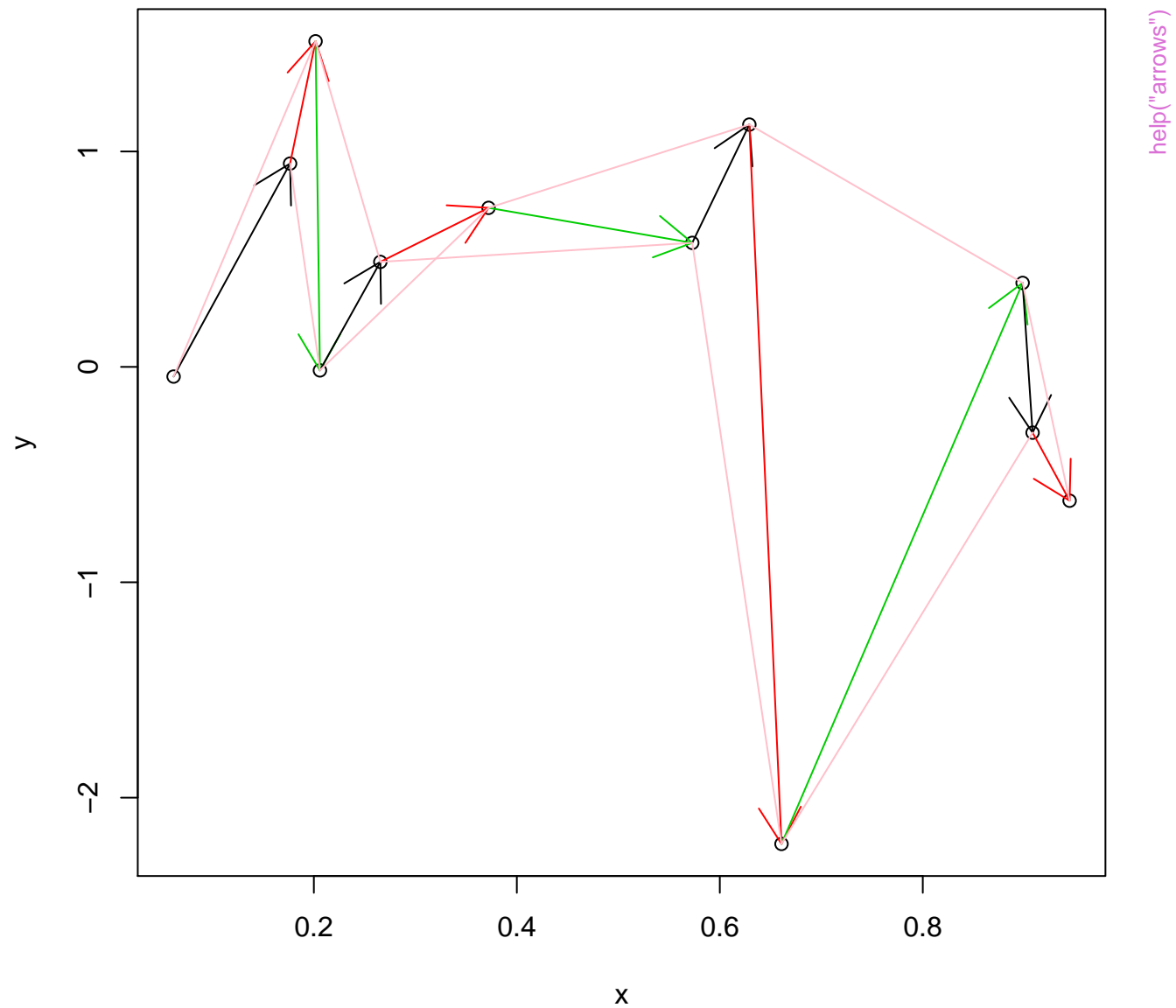
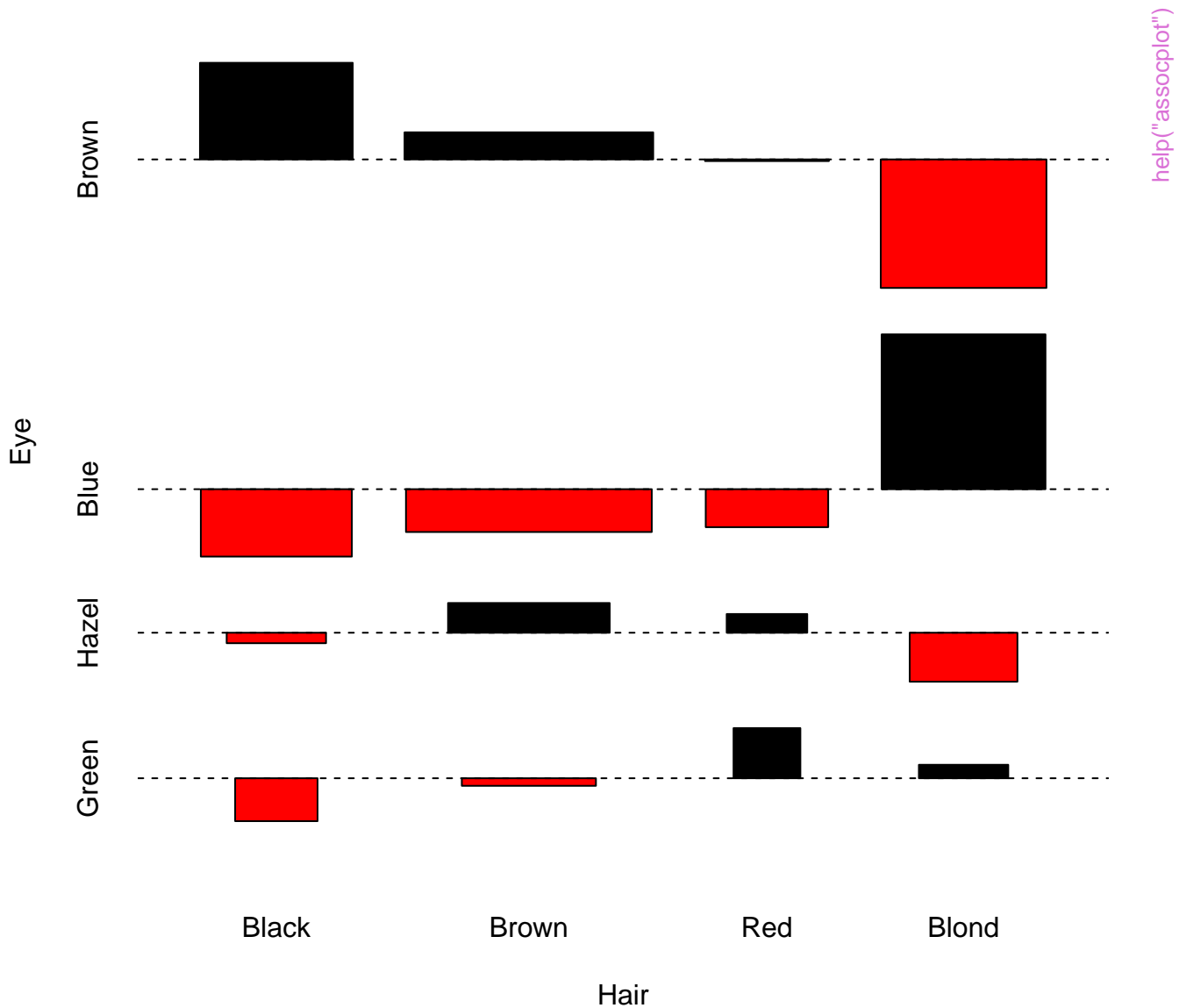
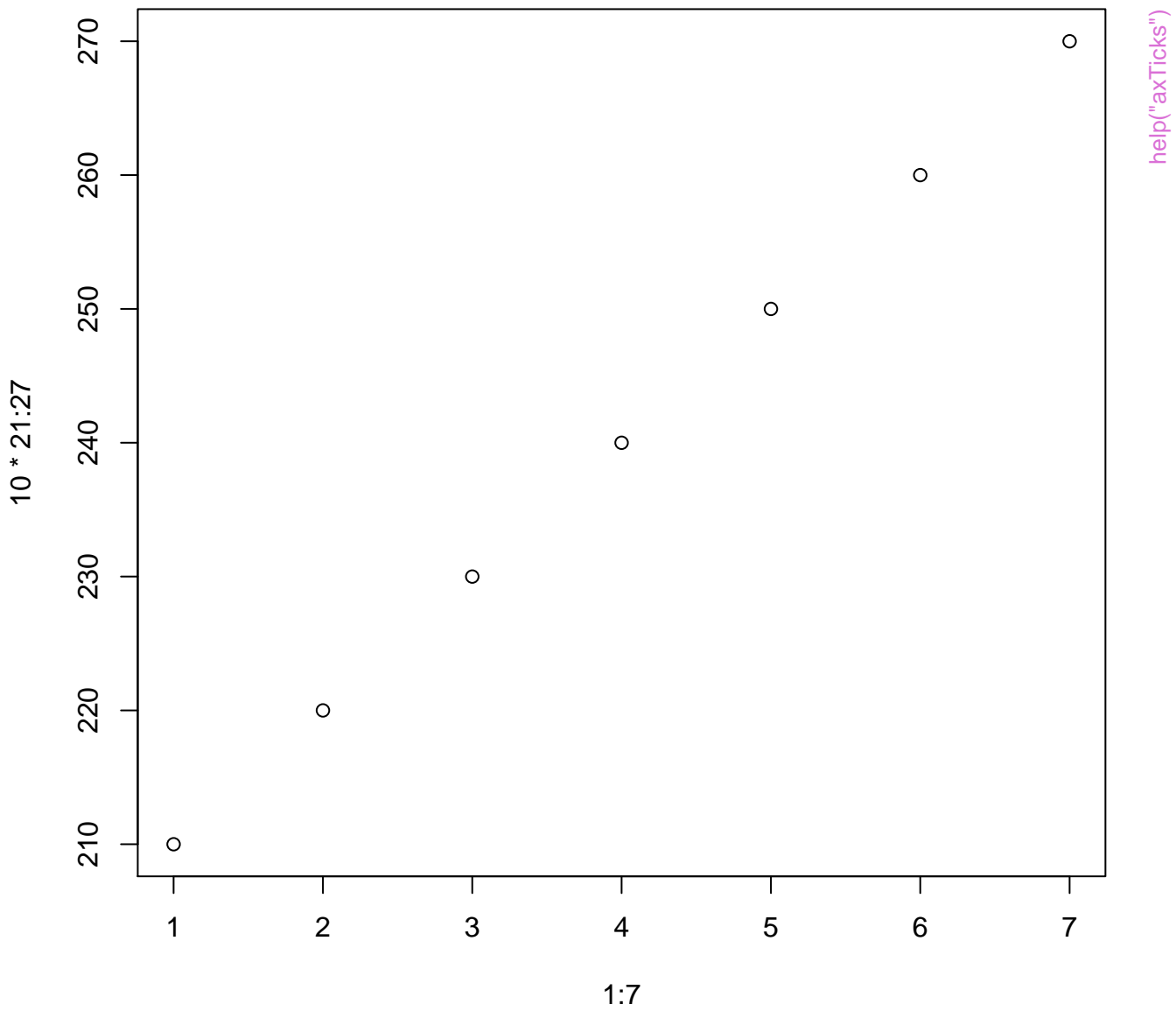


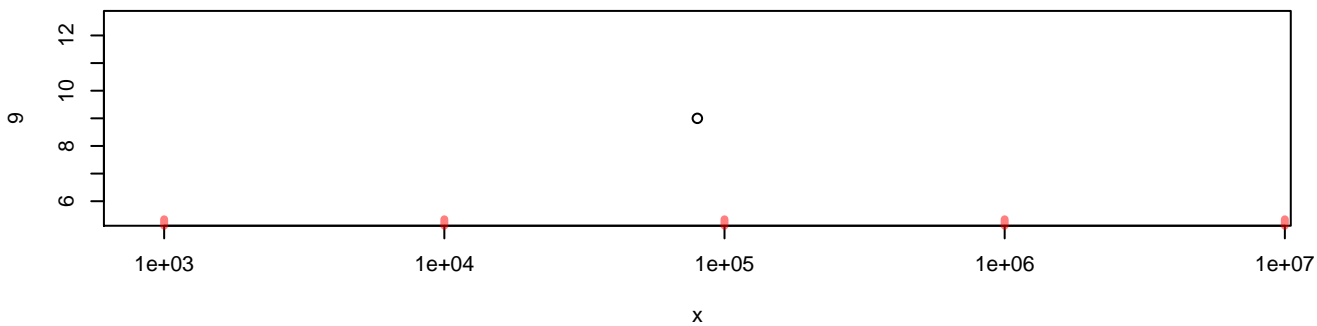
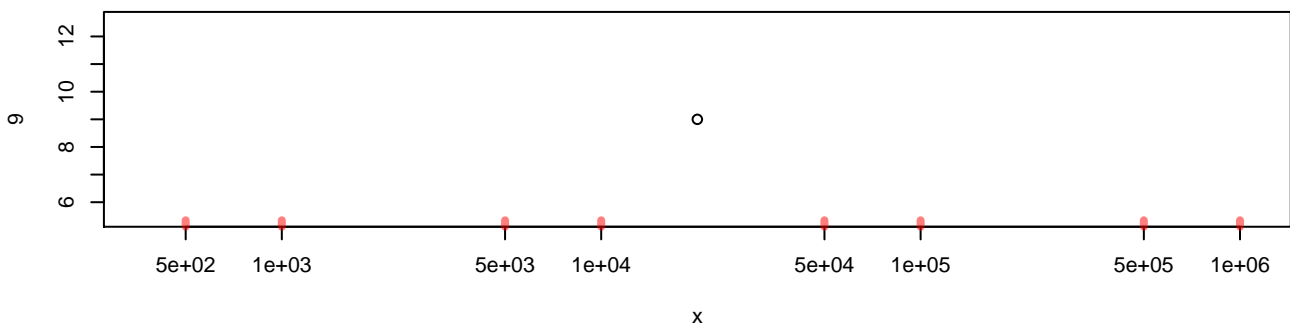
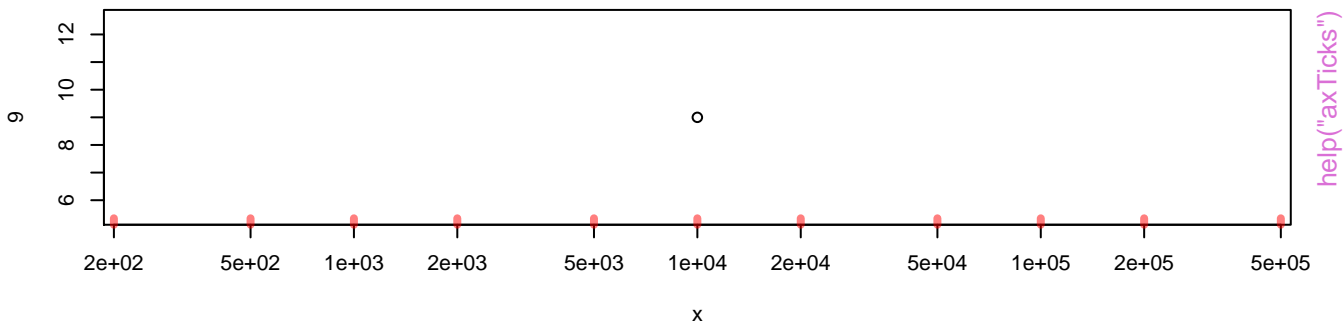
## arrows(.) and segments(.)

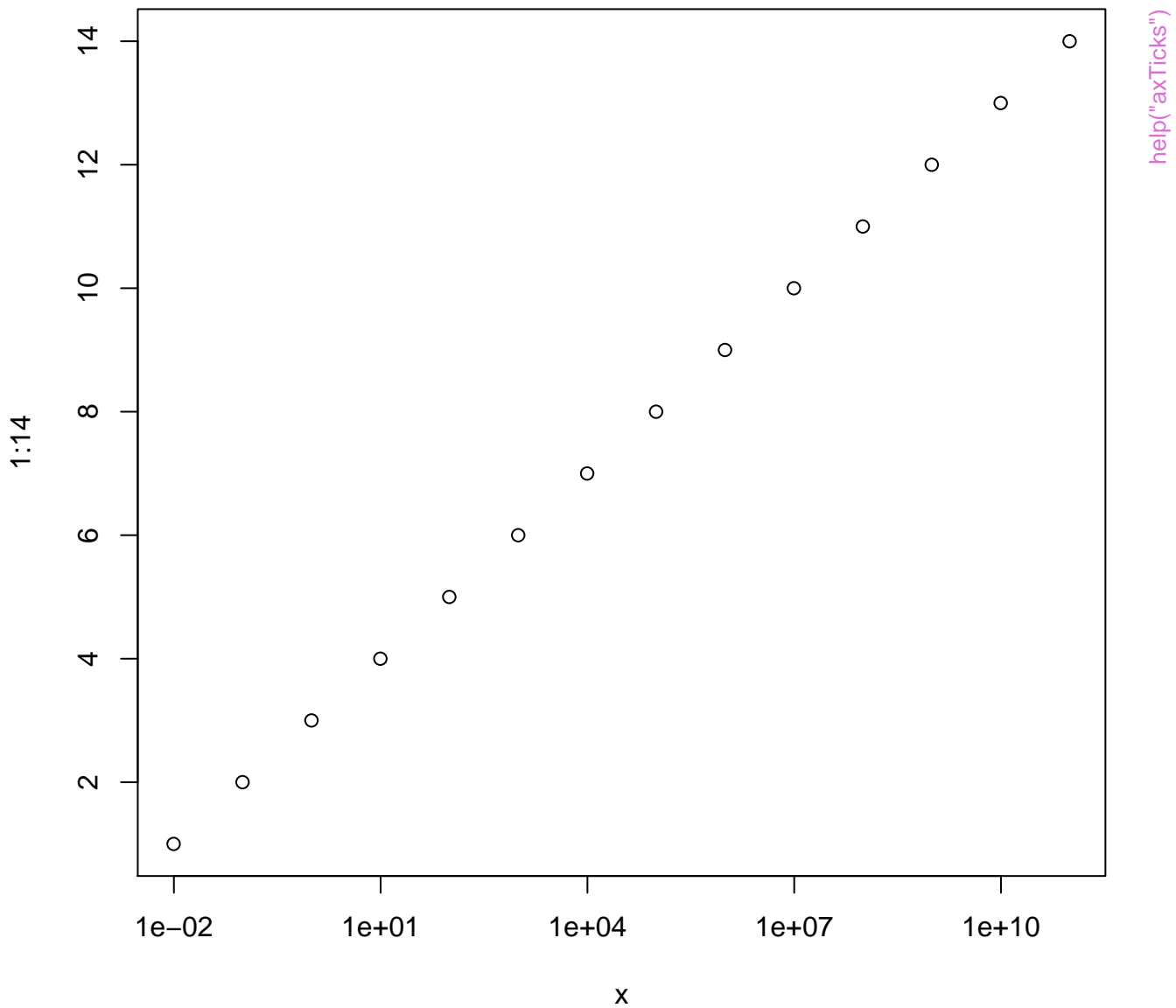


Relation between hair and eye color

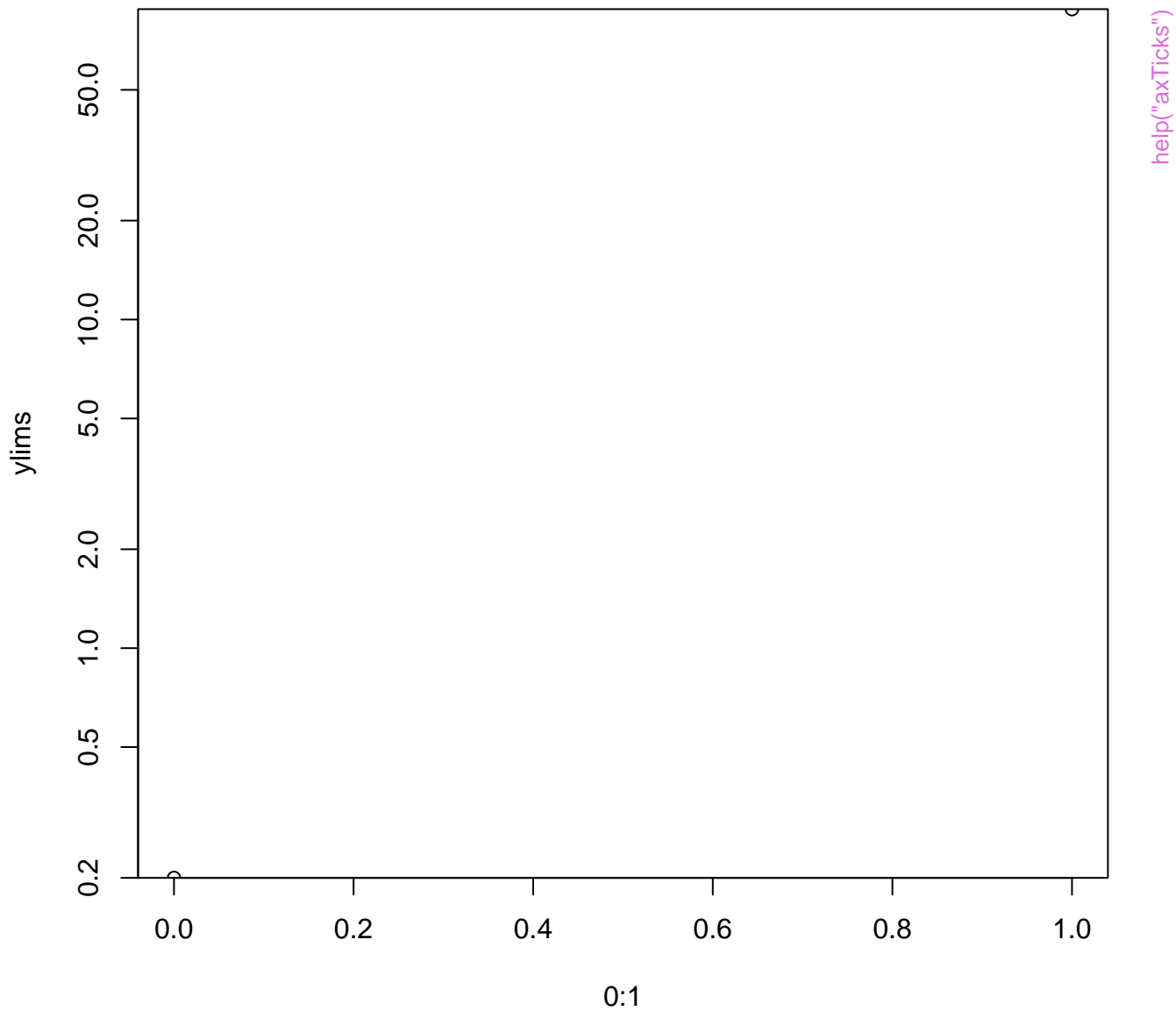


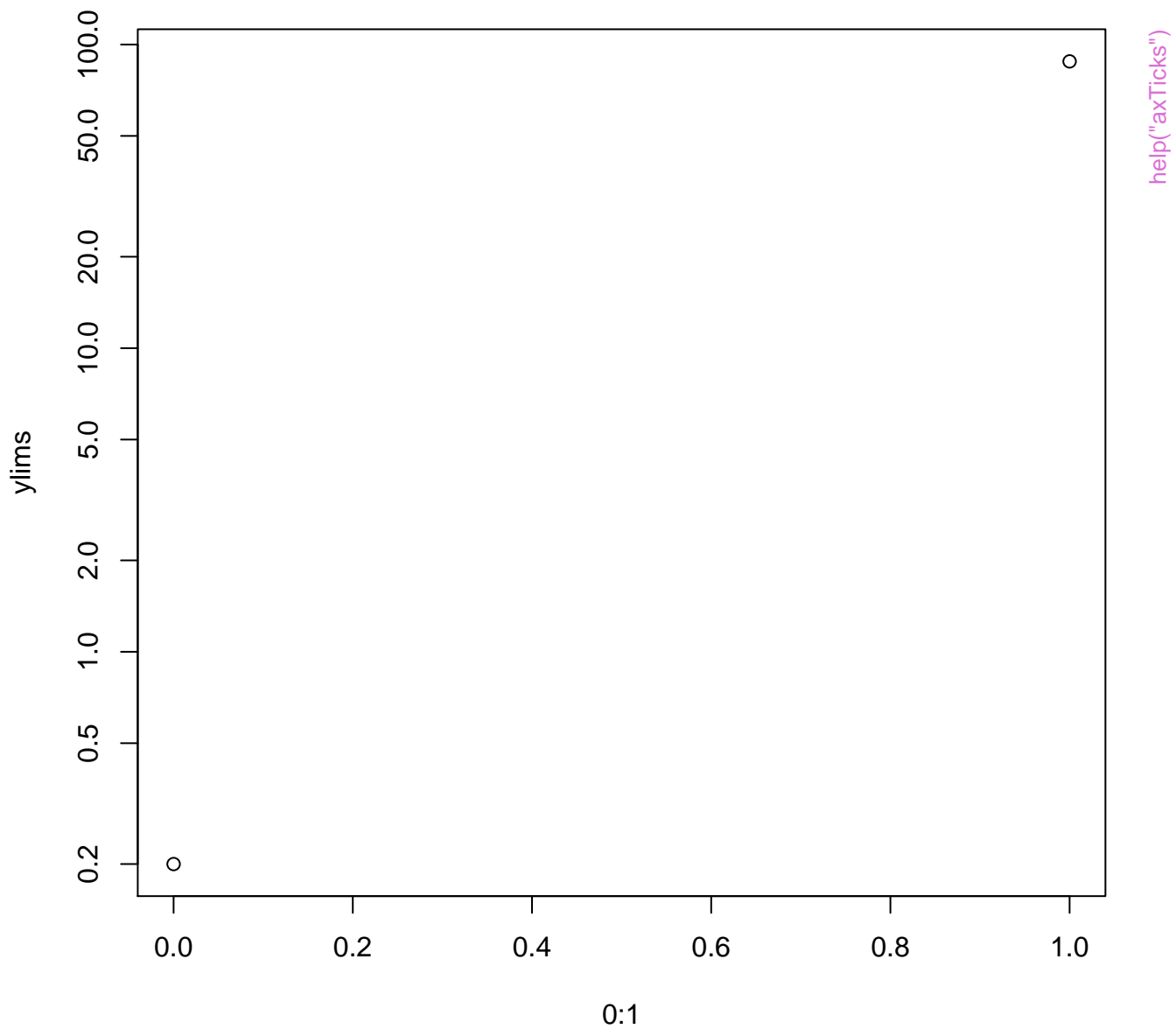


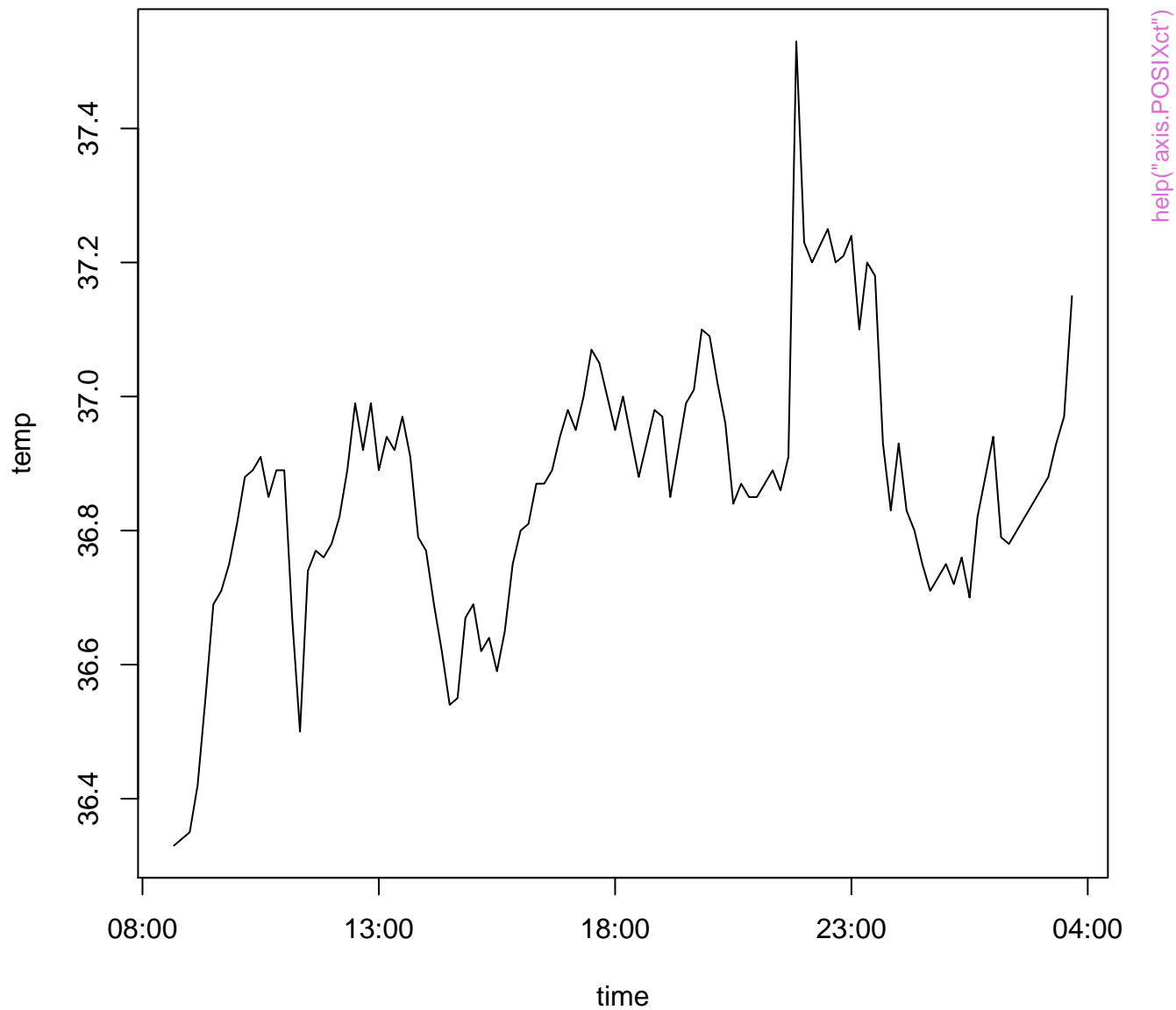


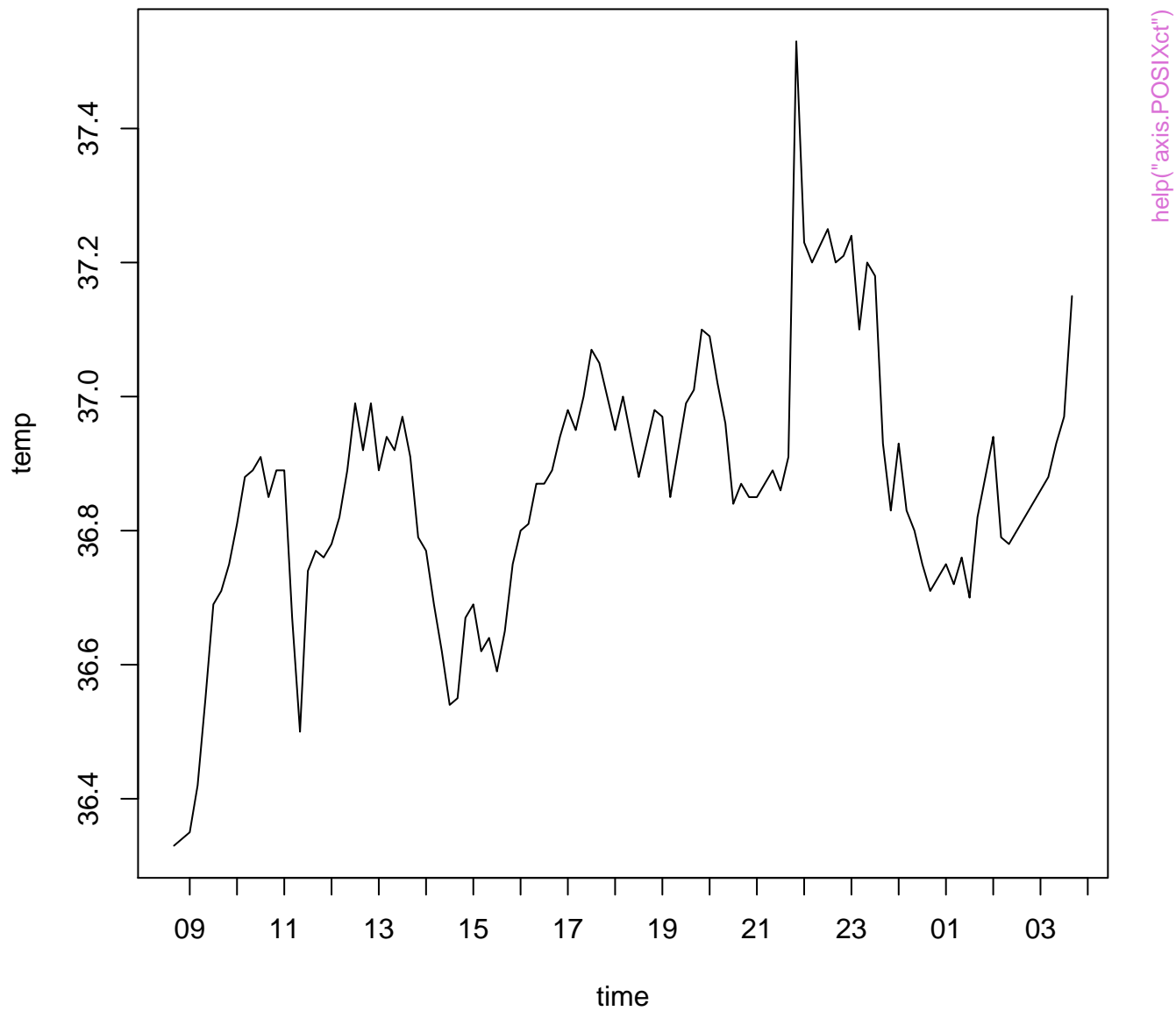


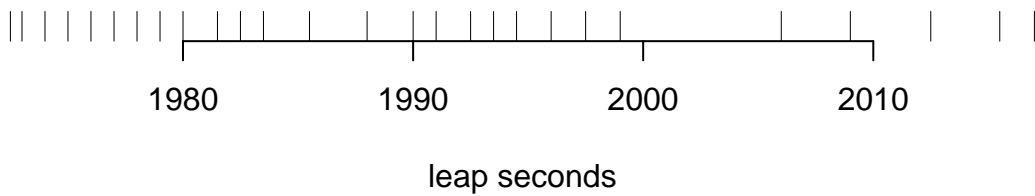


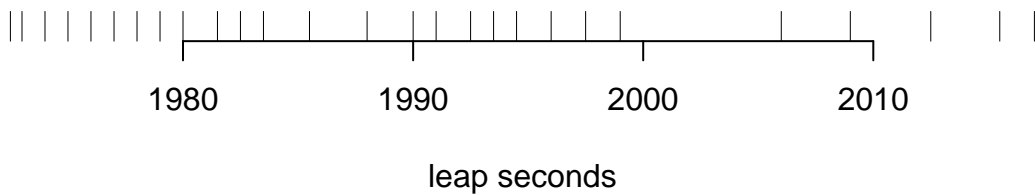


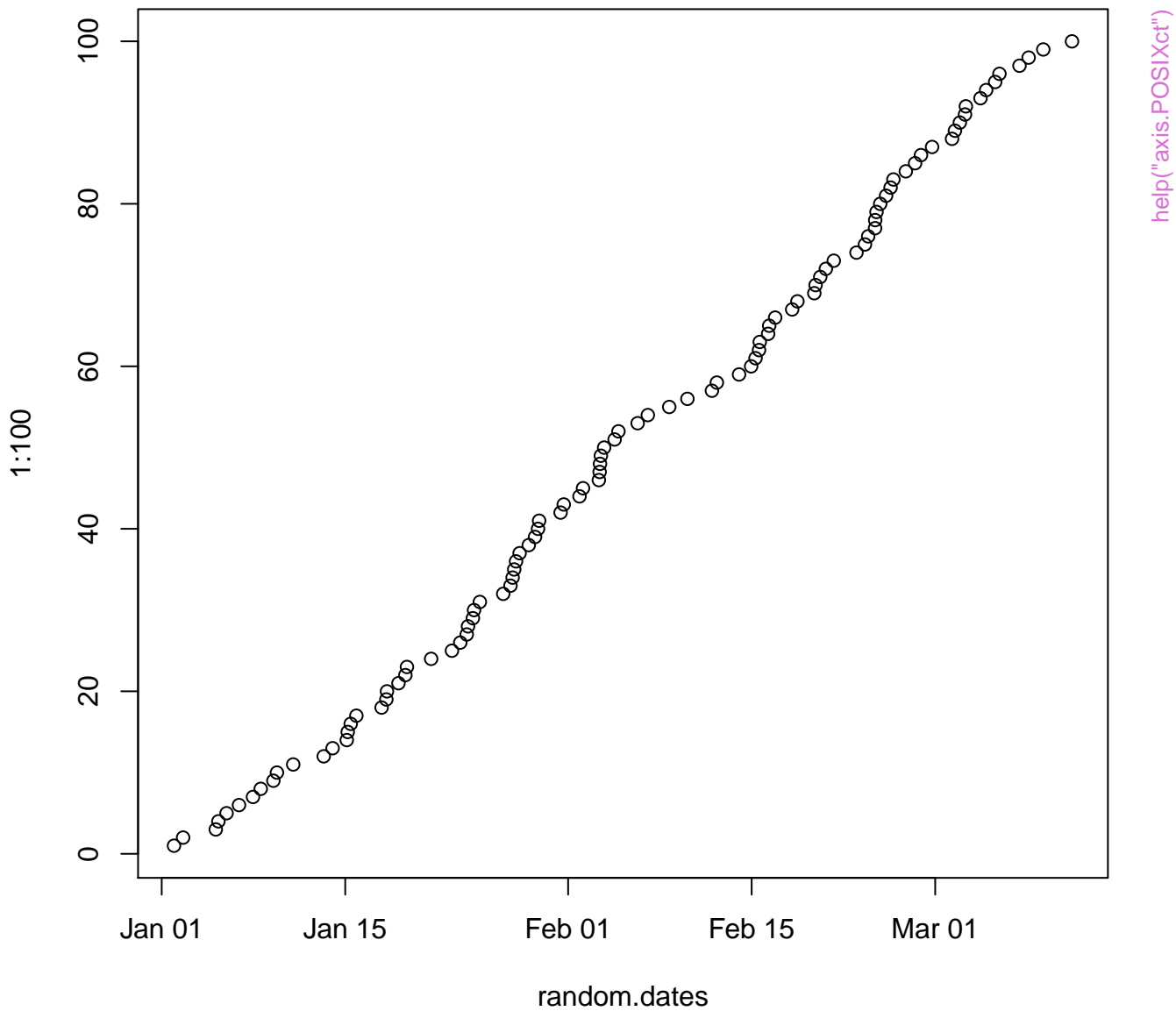


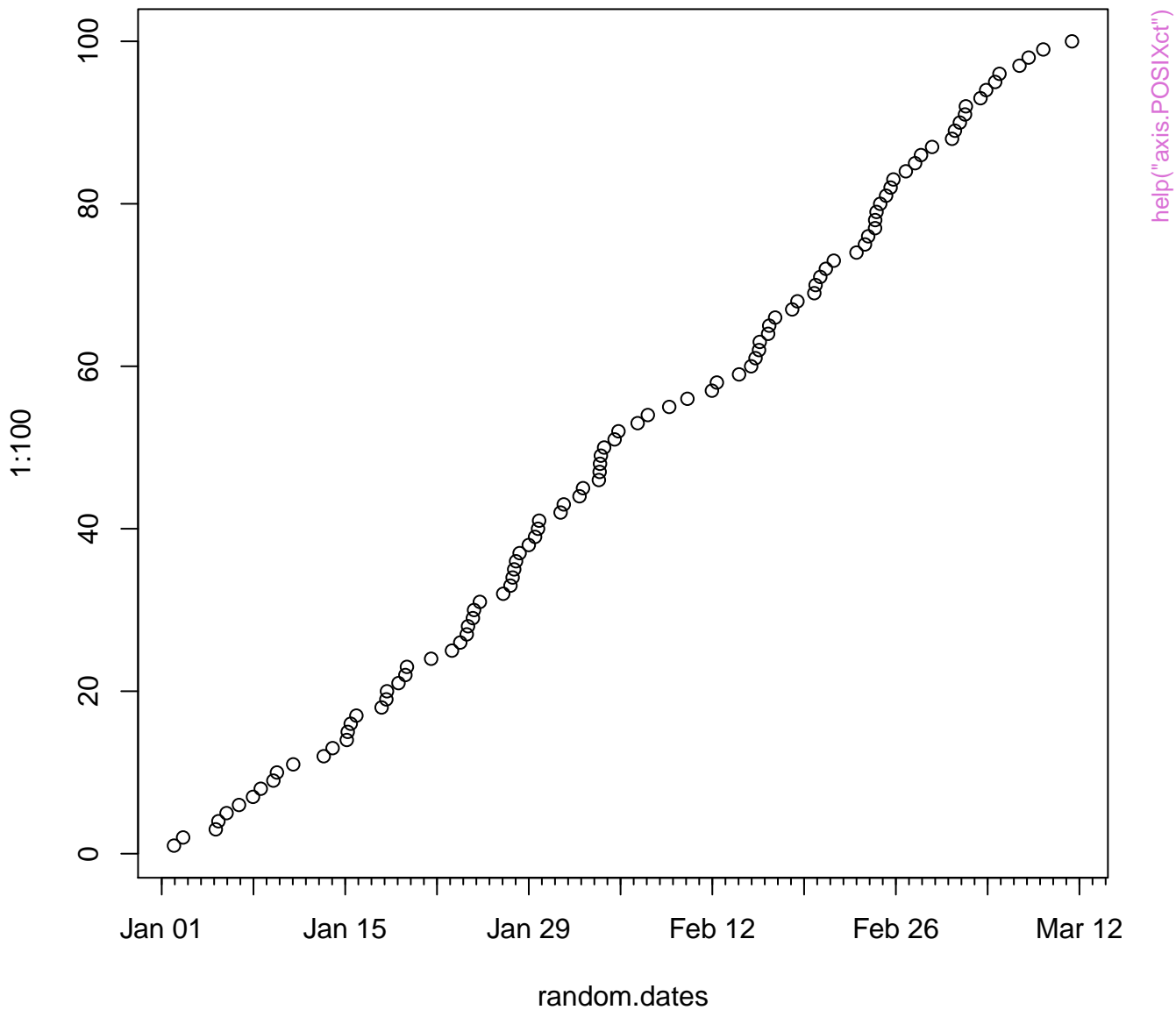




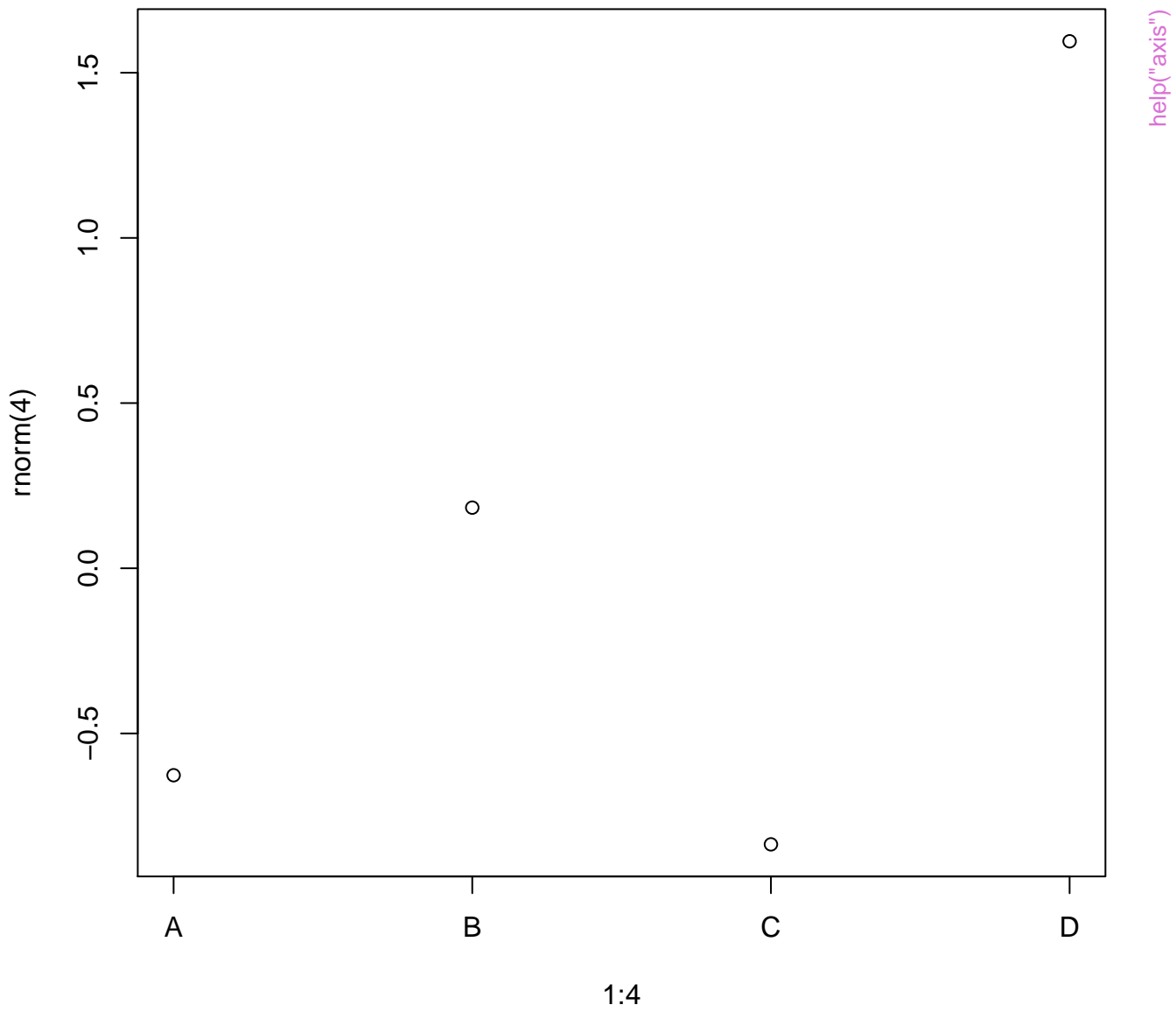


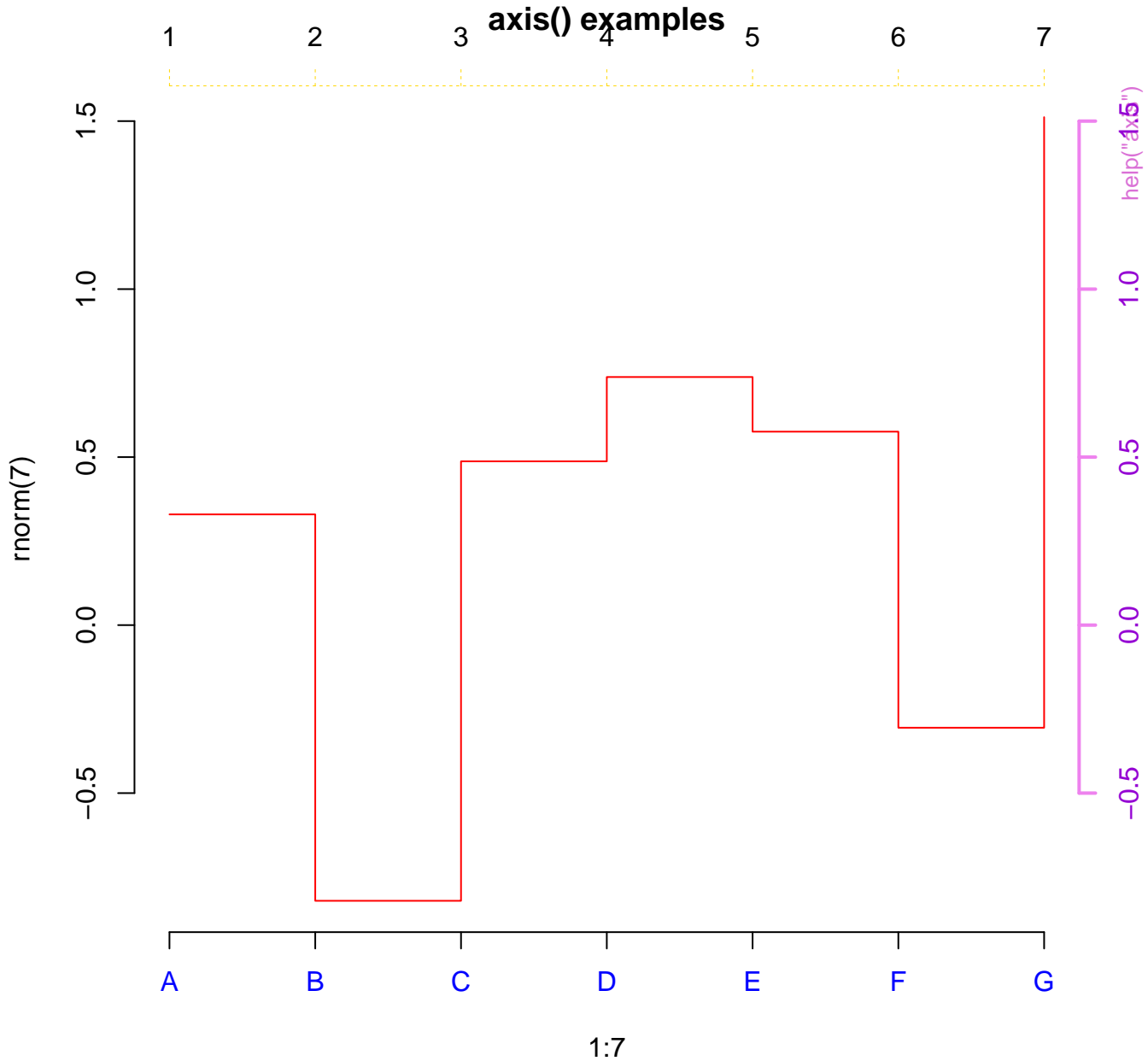


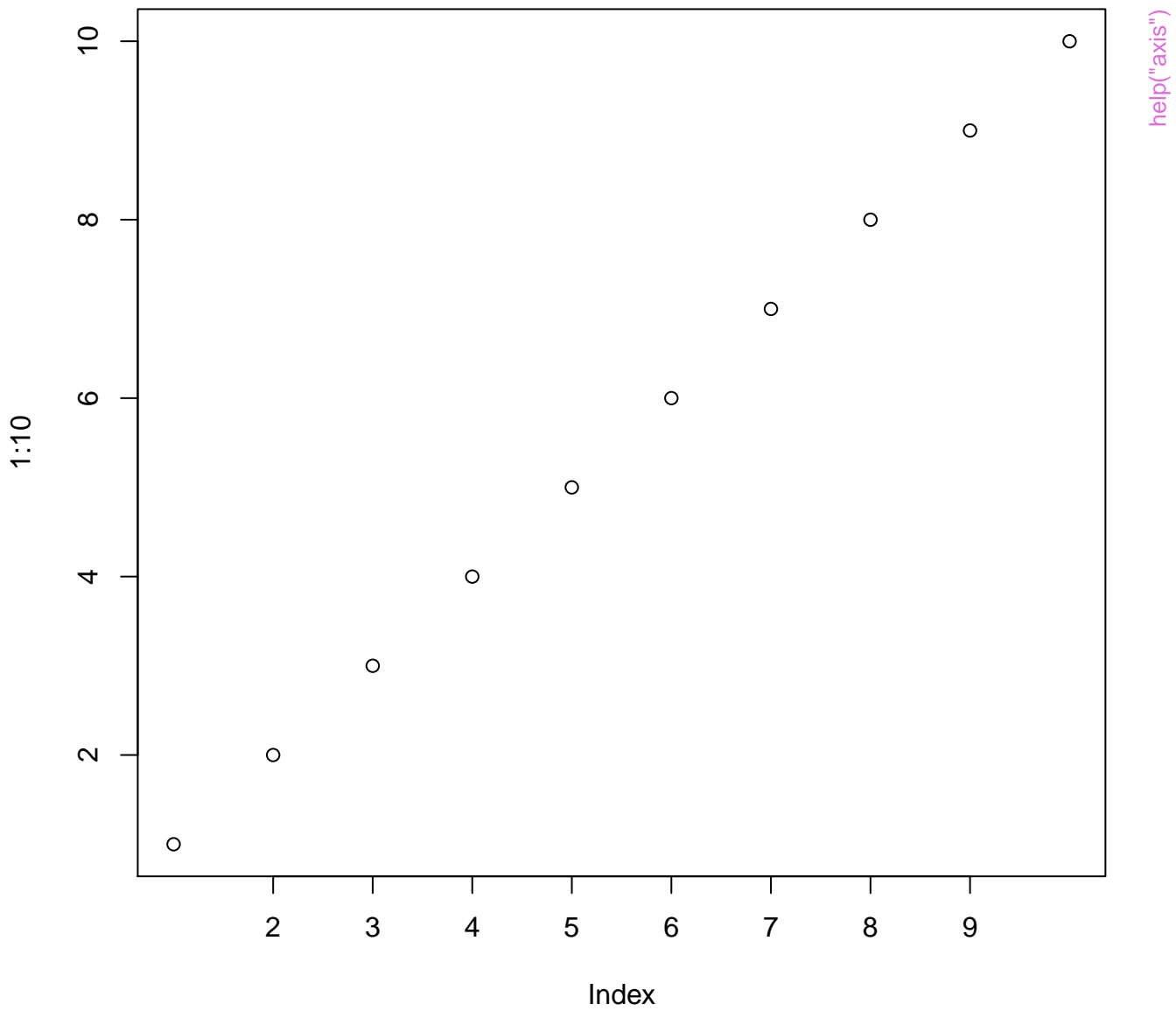




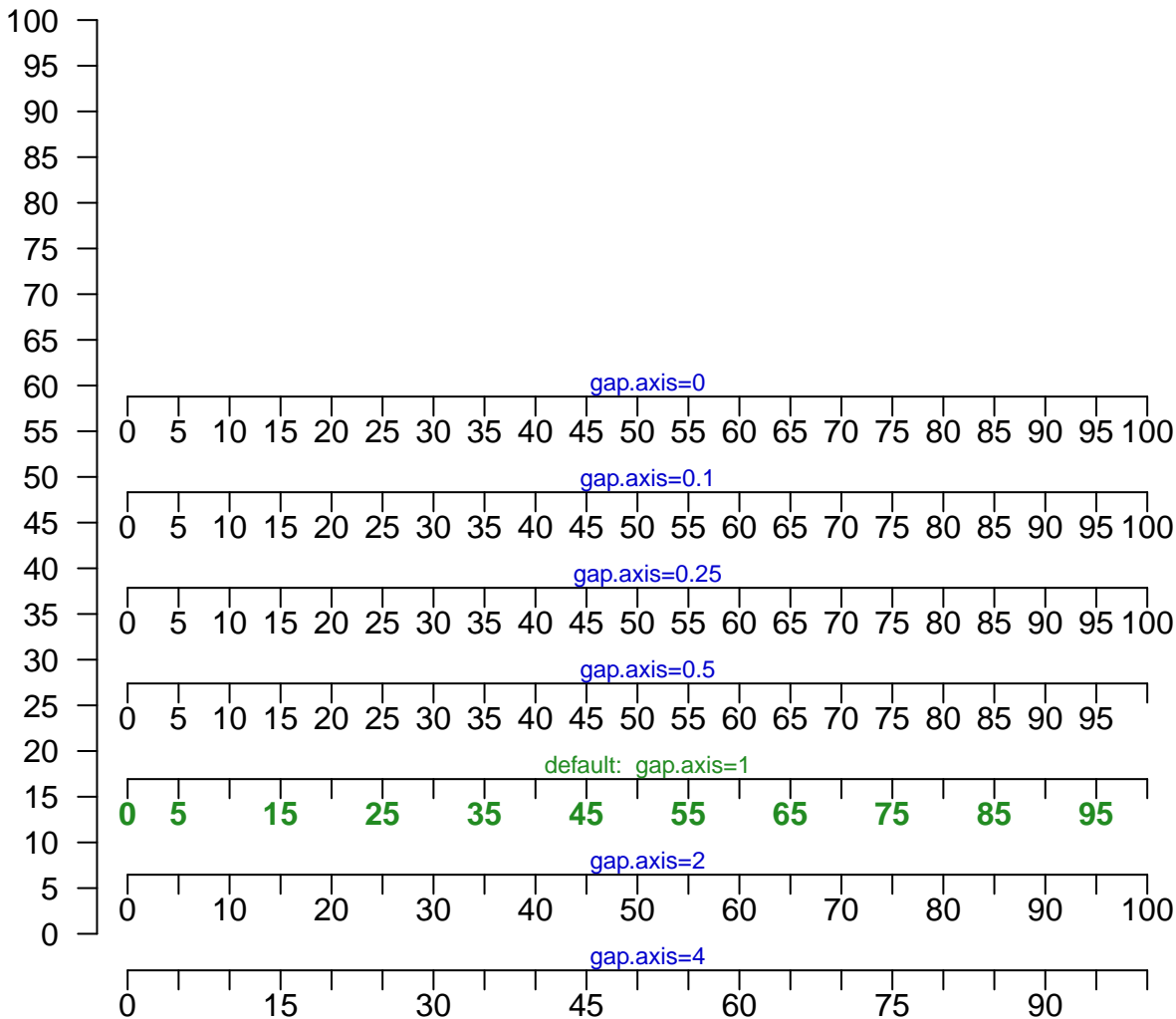




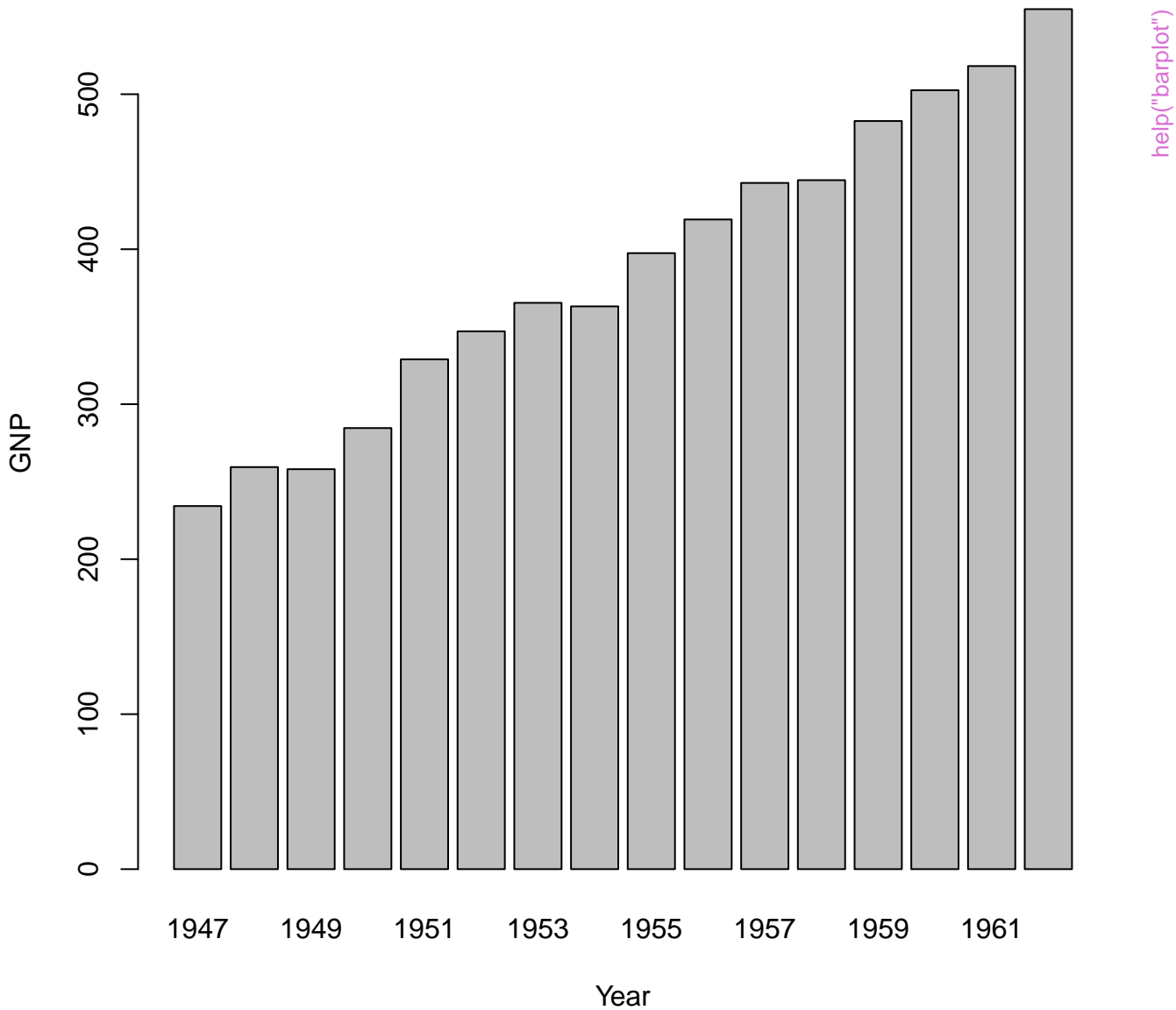


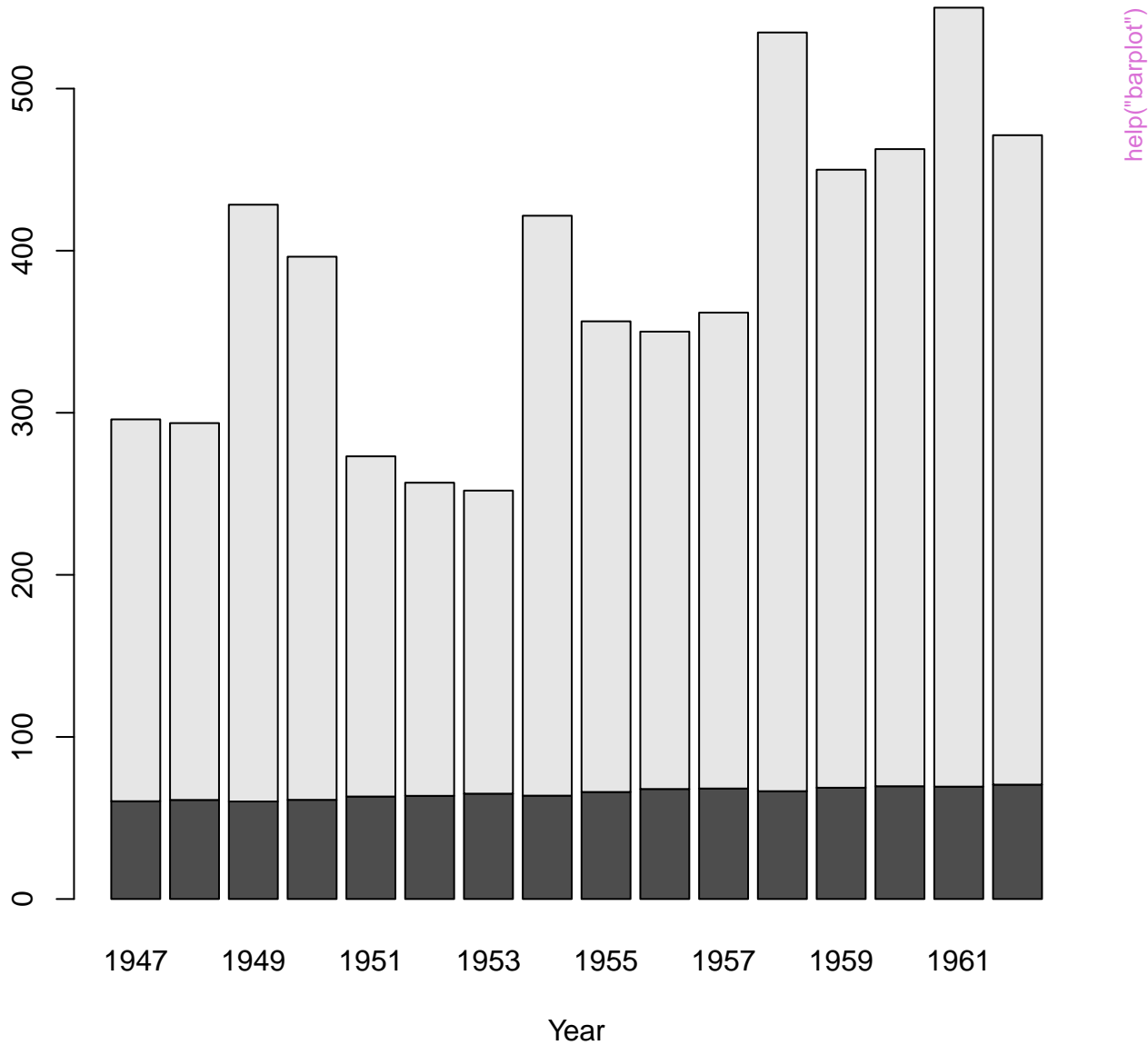


axis(1, ..., gap.axis = f),  $f \geq 0$

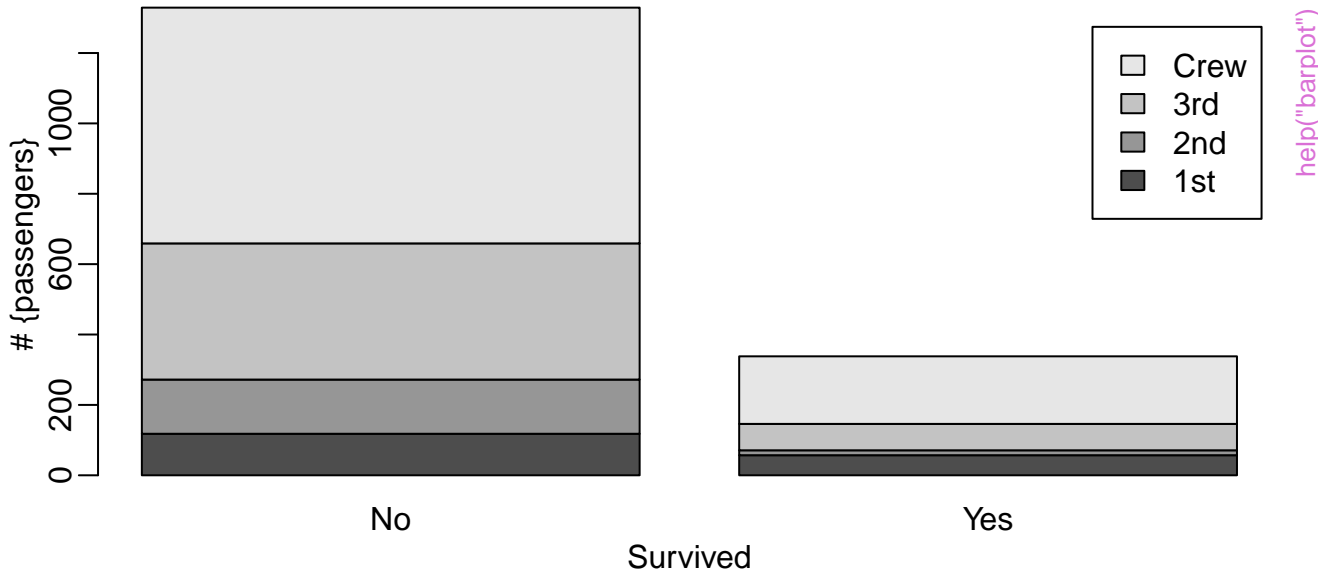


help("axis")

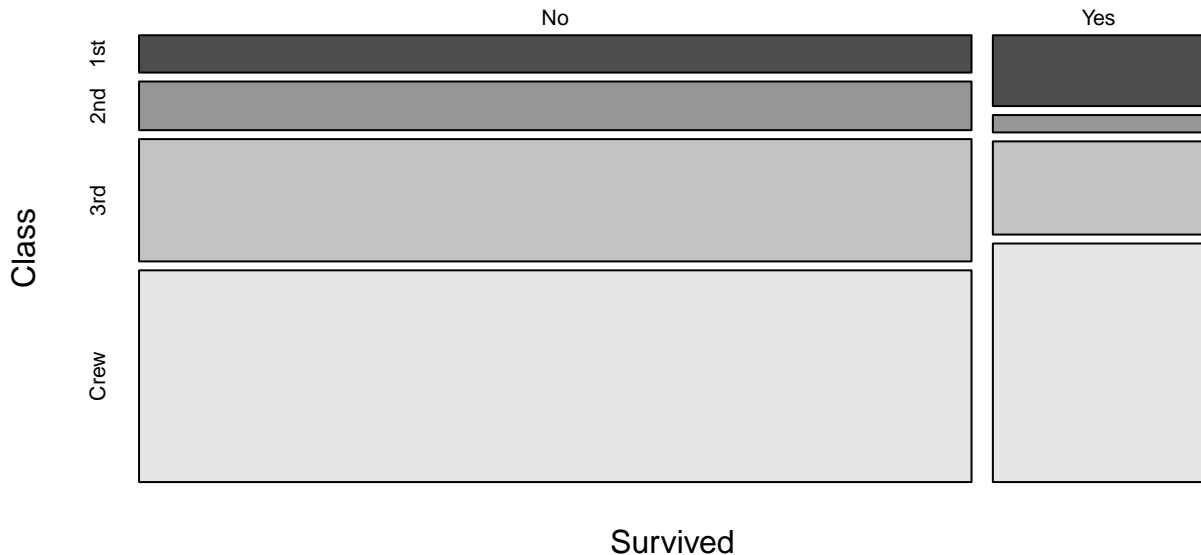


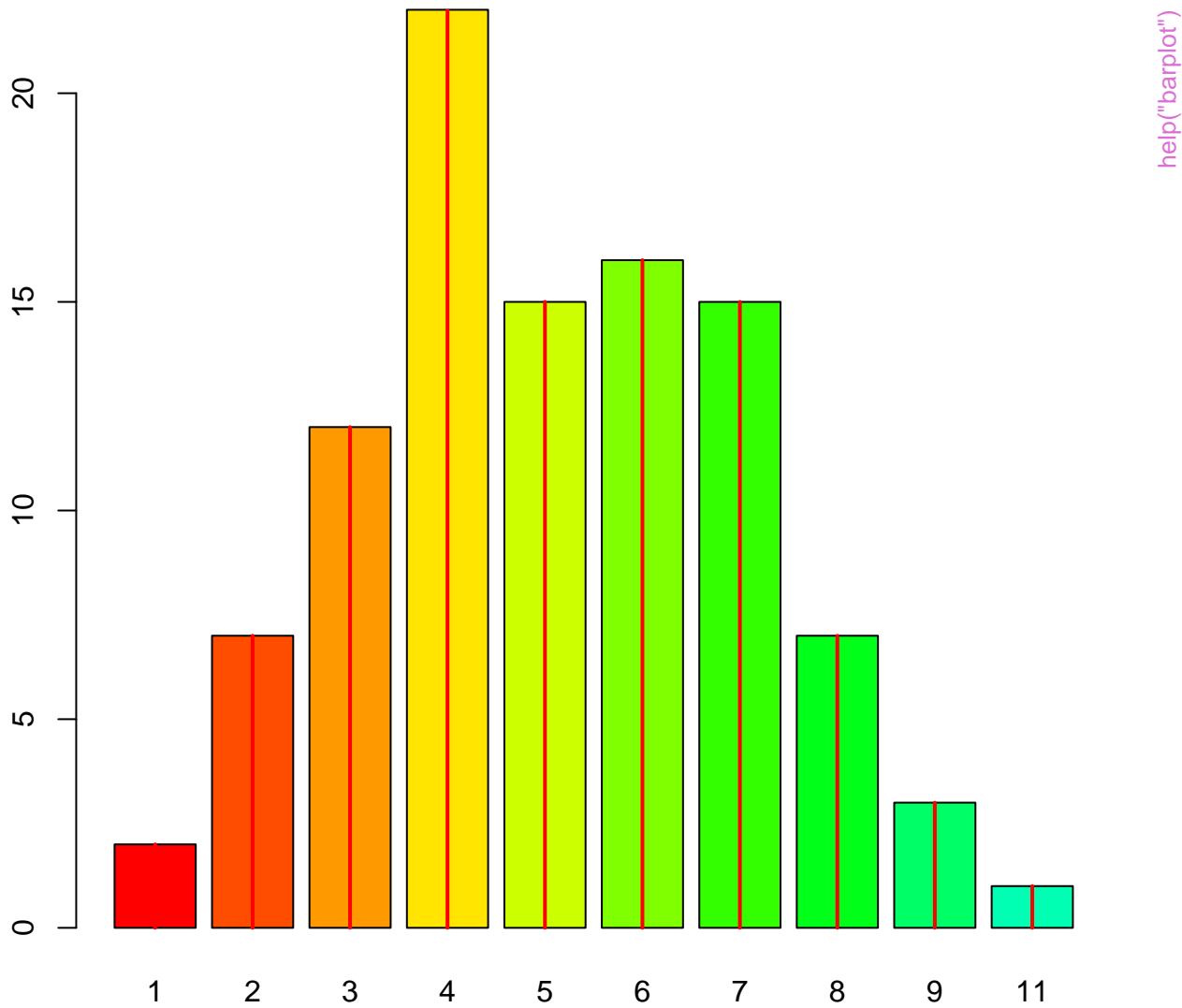


**barplot(Freq ~ Class + Survived, \*)**

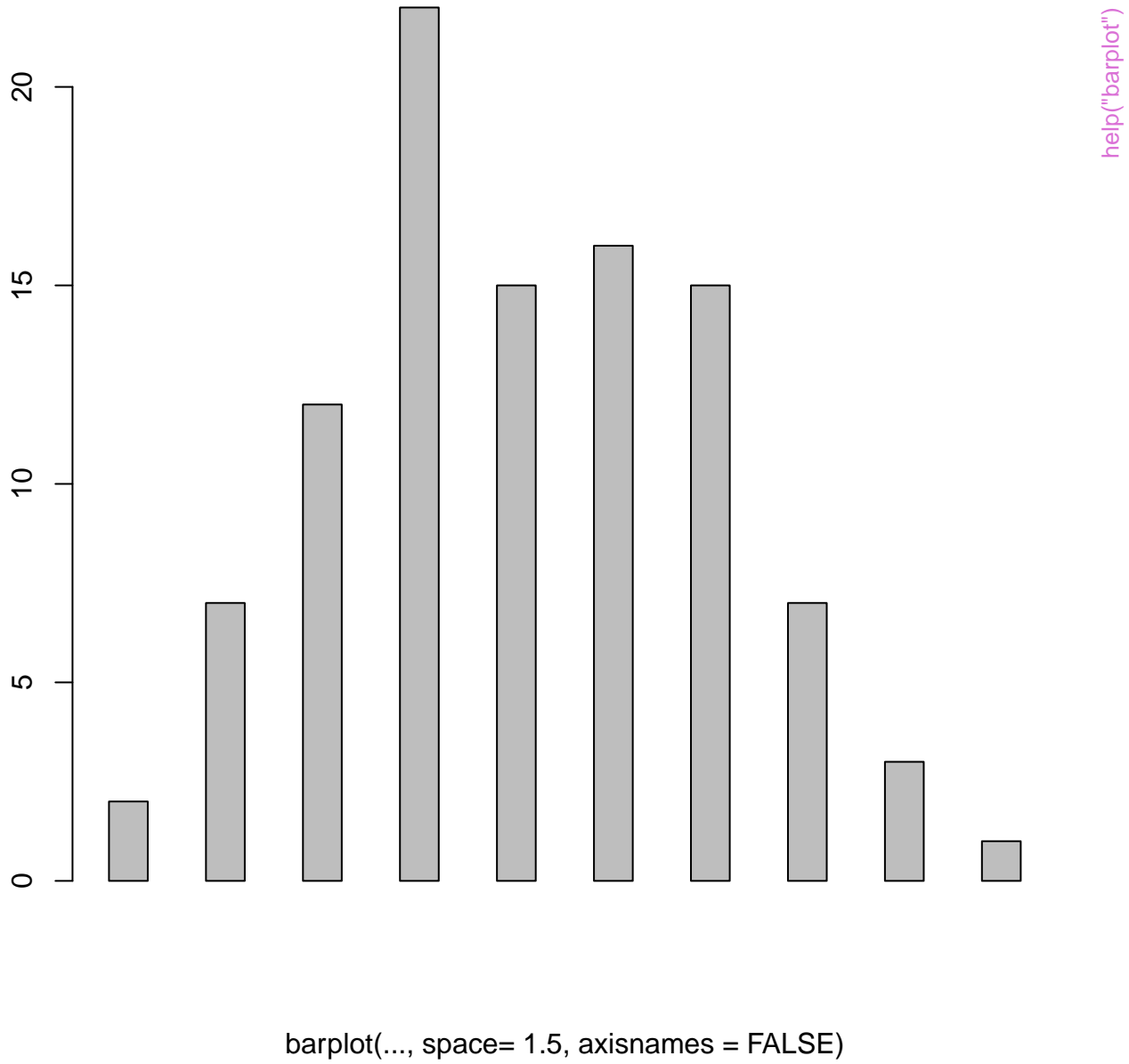


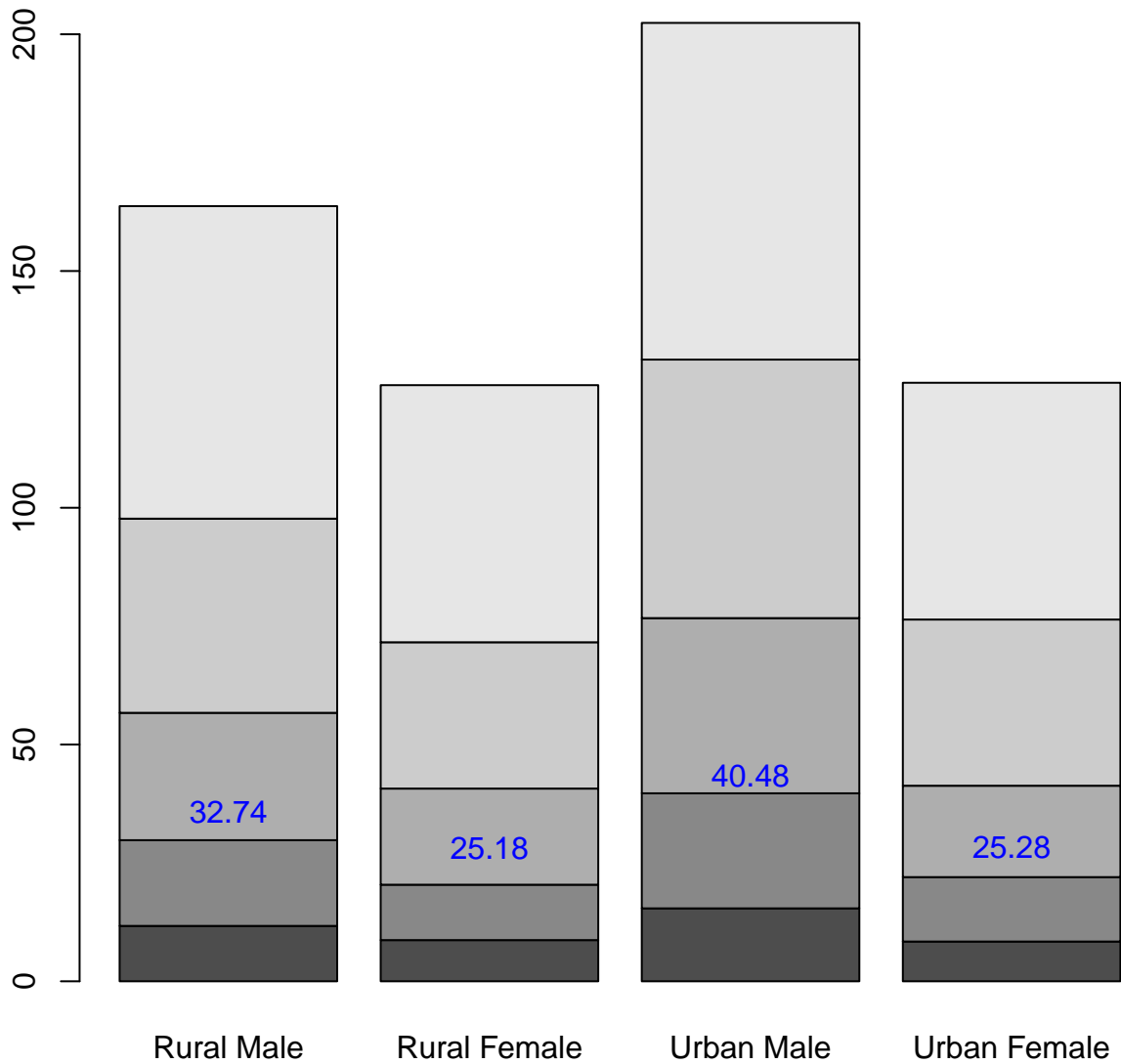
**mosaicplot(Freq ~ Class + Survived, \*)**





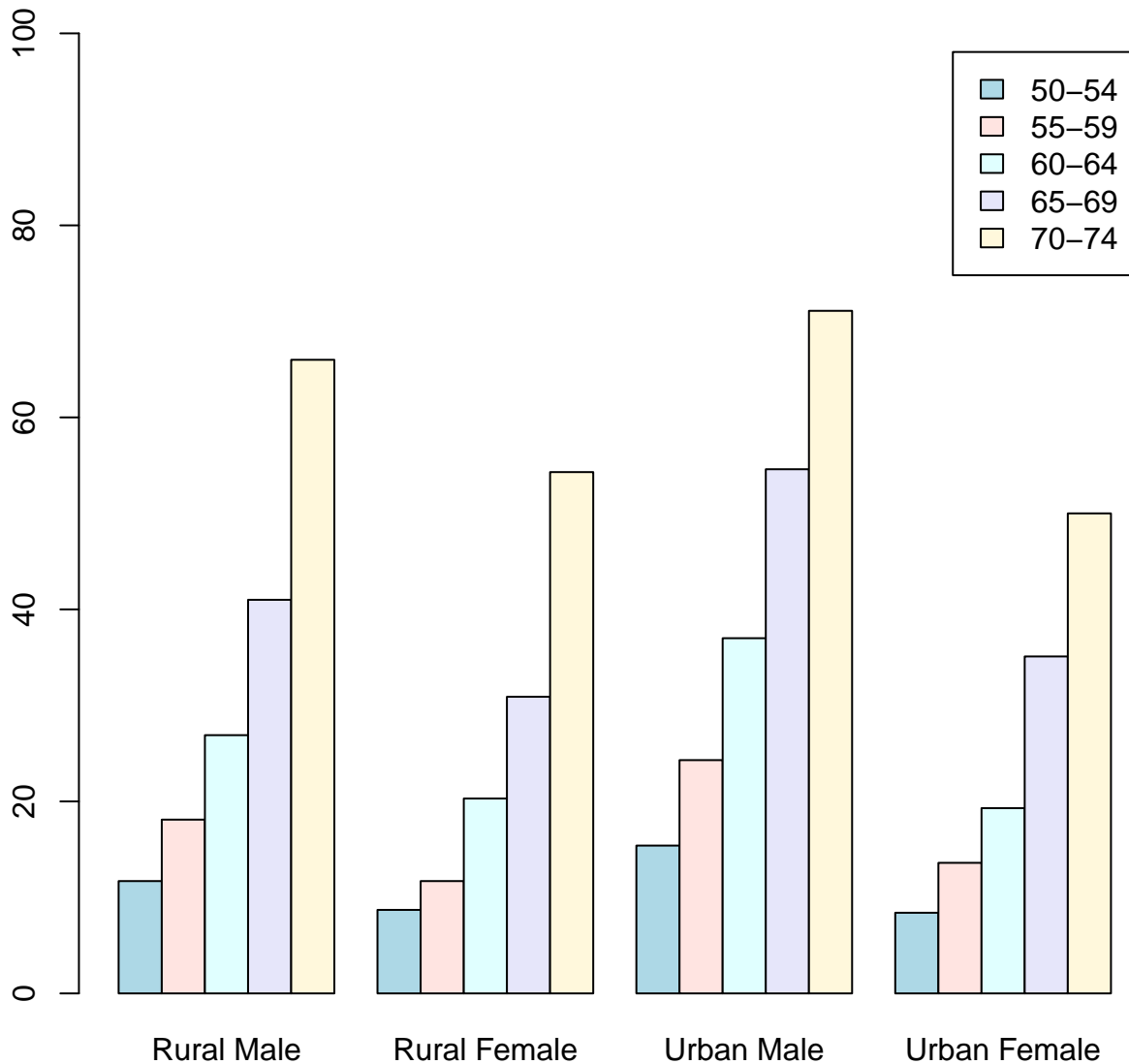






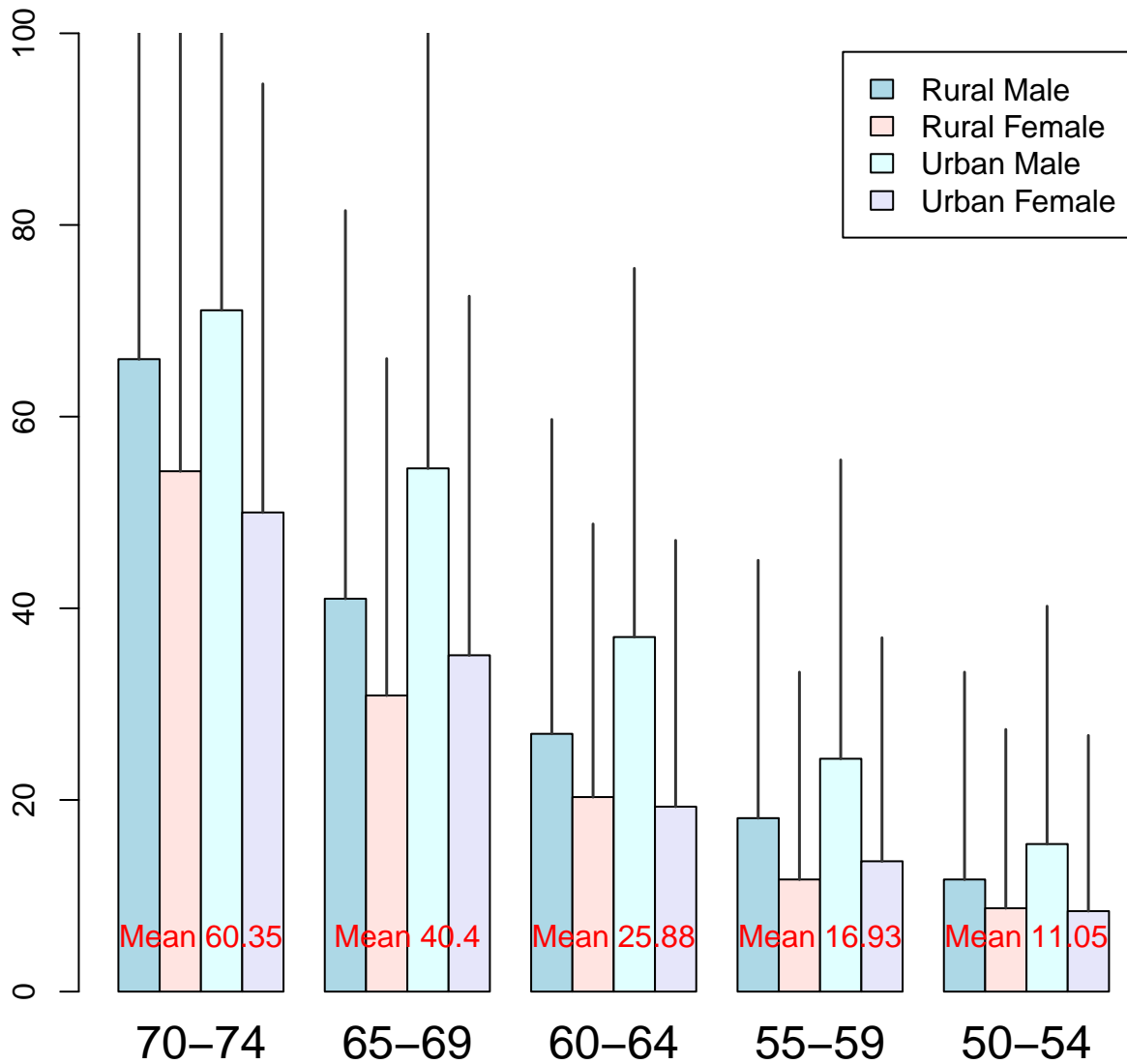
help("barplot")

## *Death Rates in Virginia*



help("barplot")

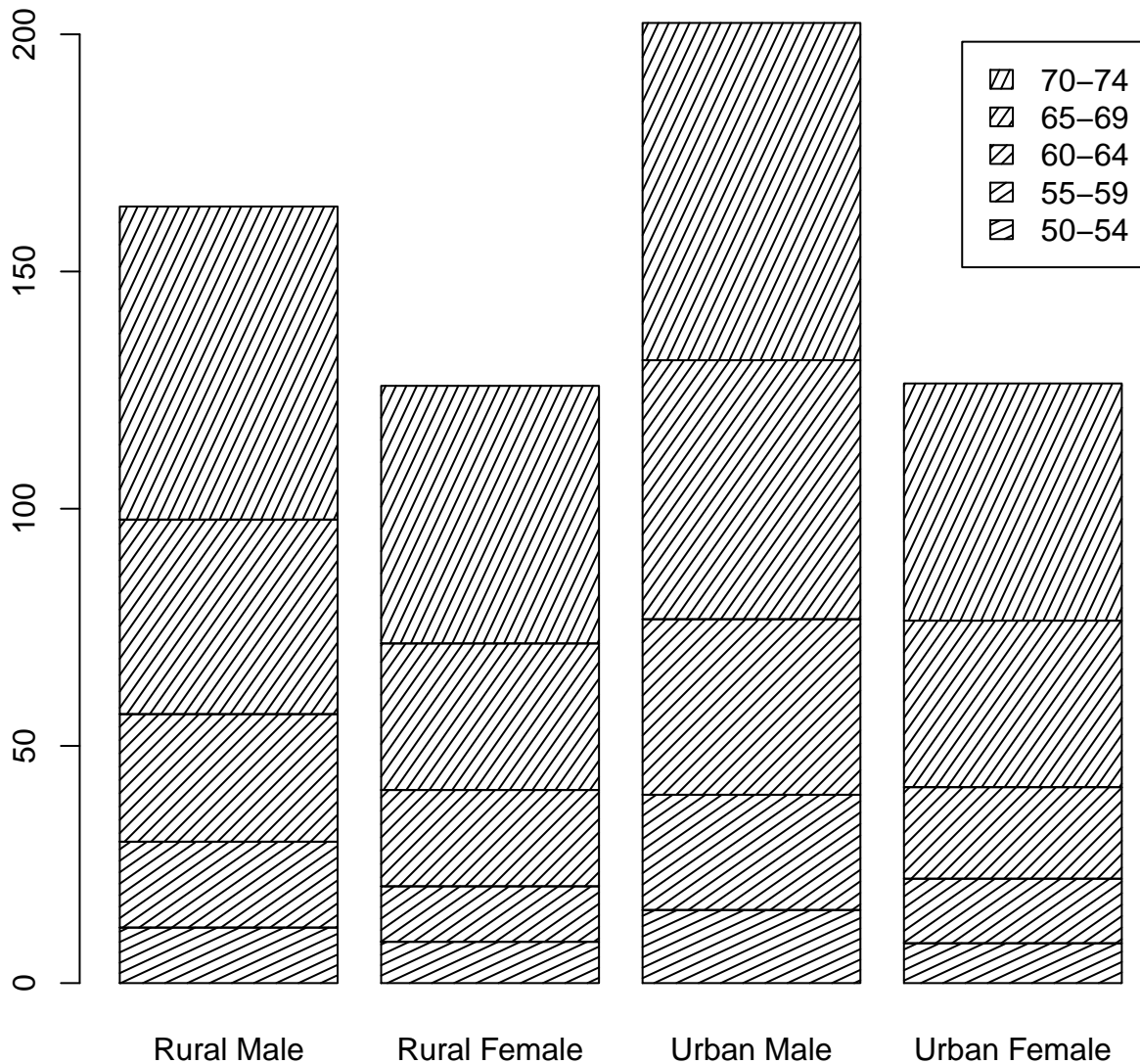
## Death Rates in Virginia



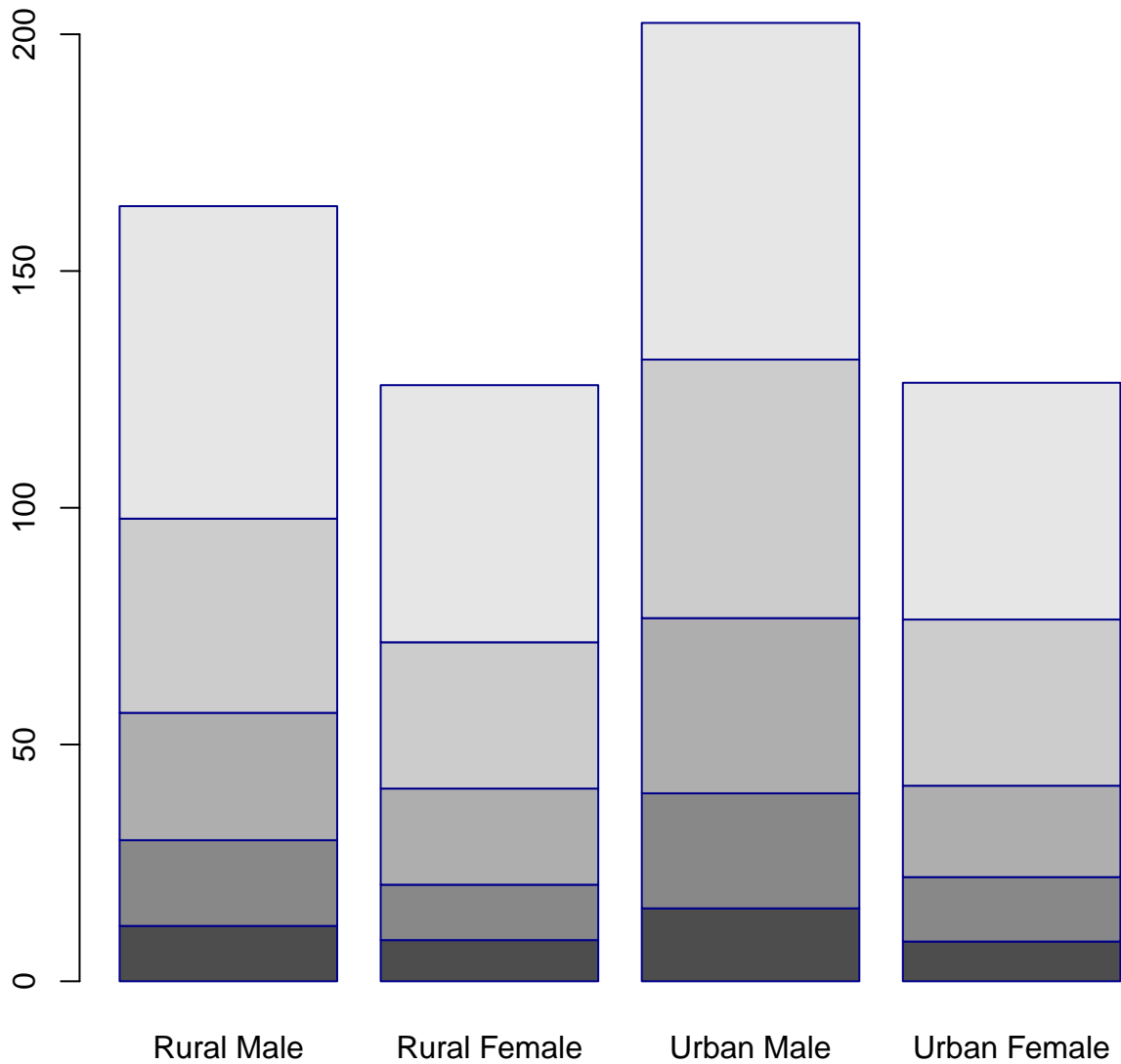
Faked upper 2\*sigma error bars

help("barplot")

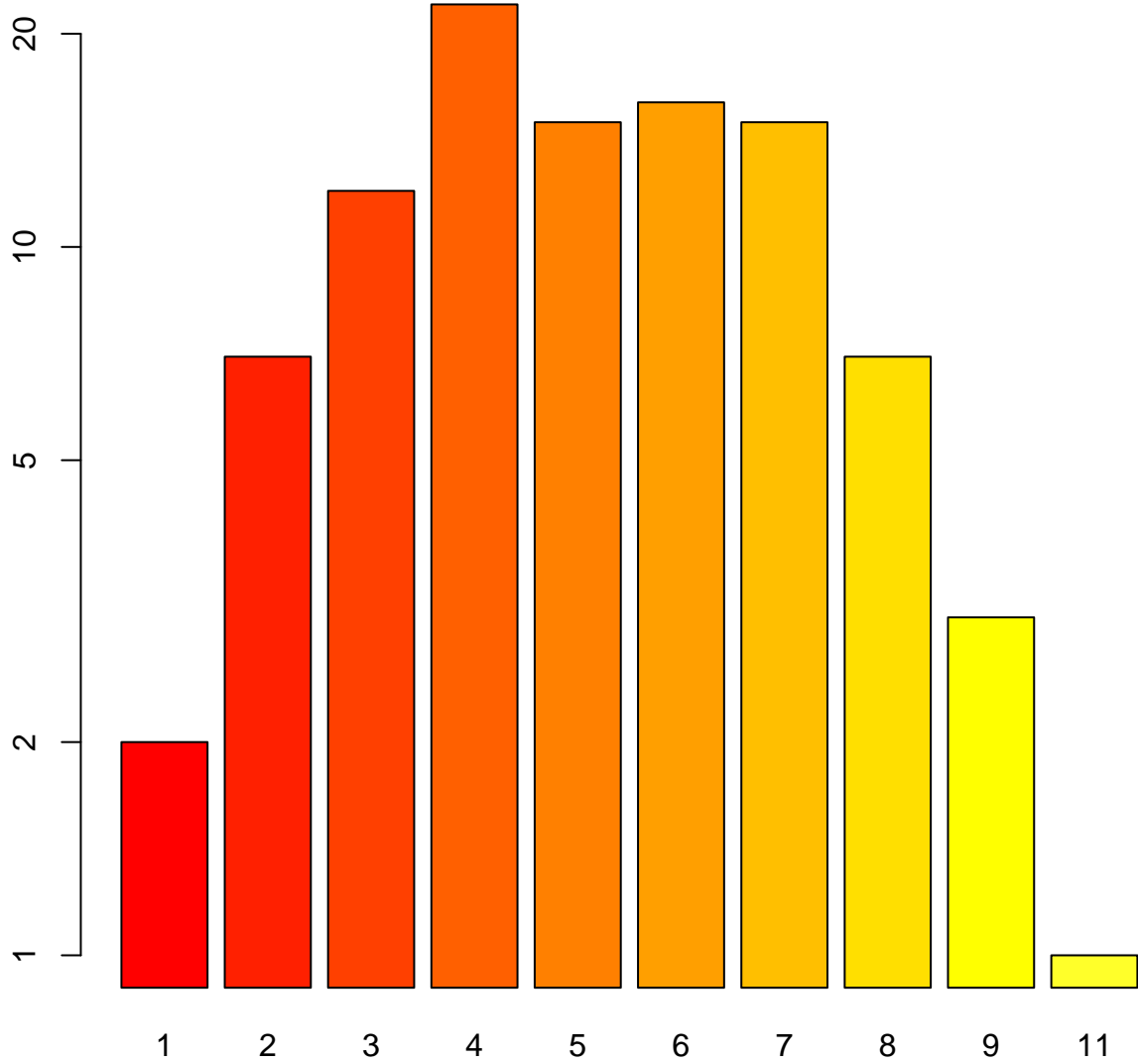
## *Death Rates in Virginia*



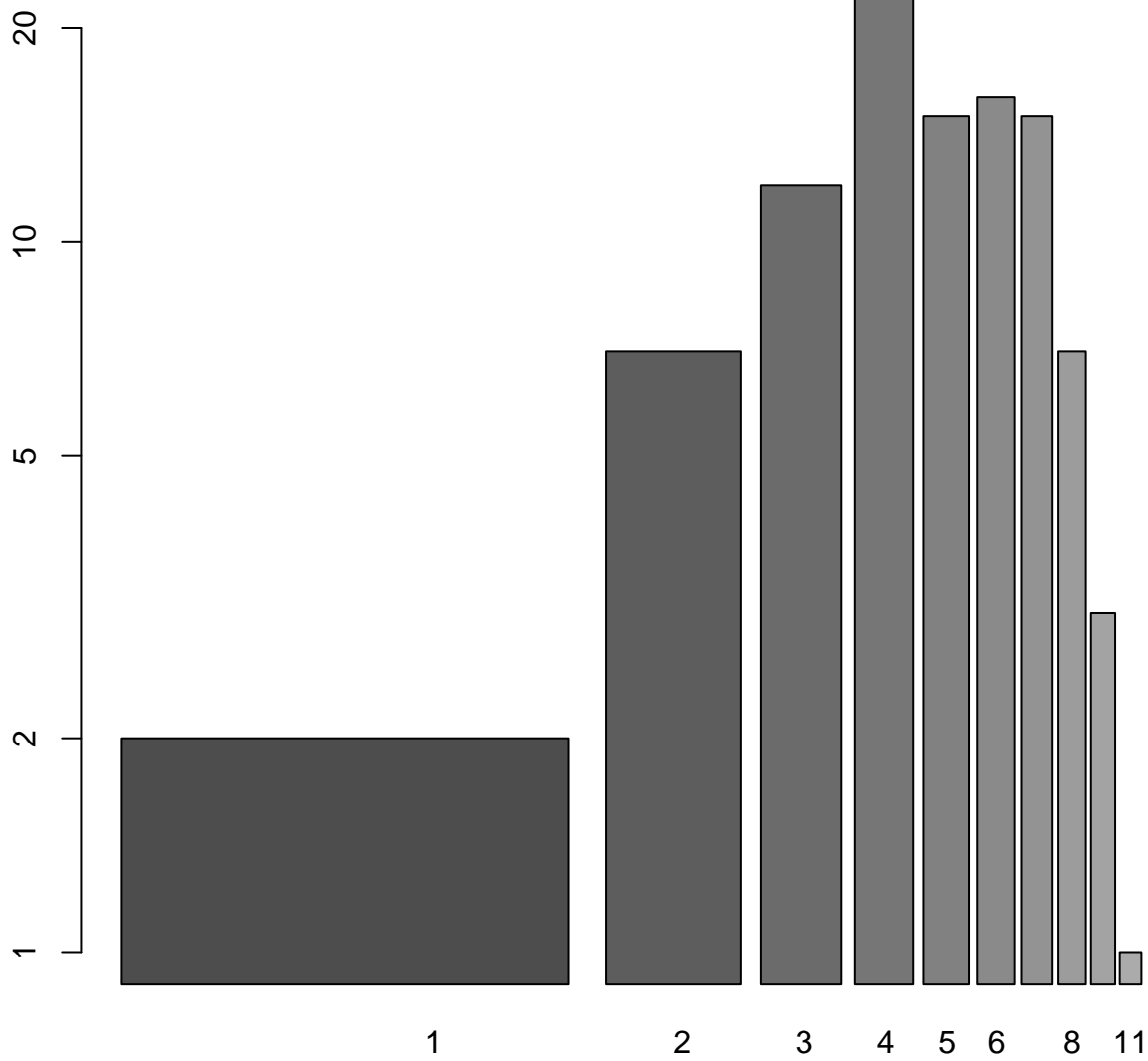
help("barplot")



help("barplot")

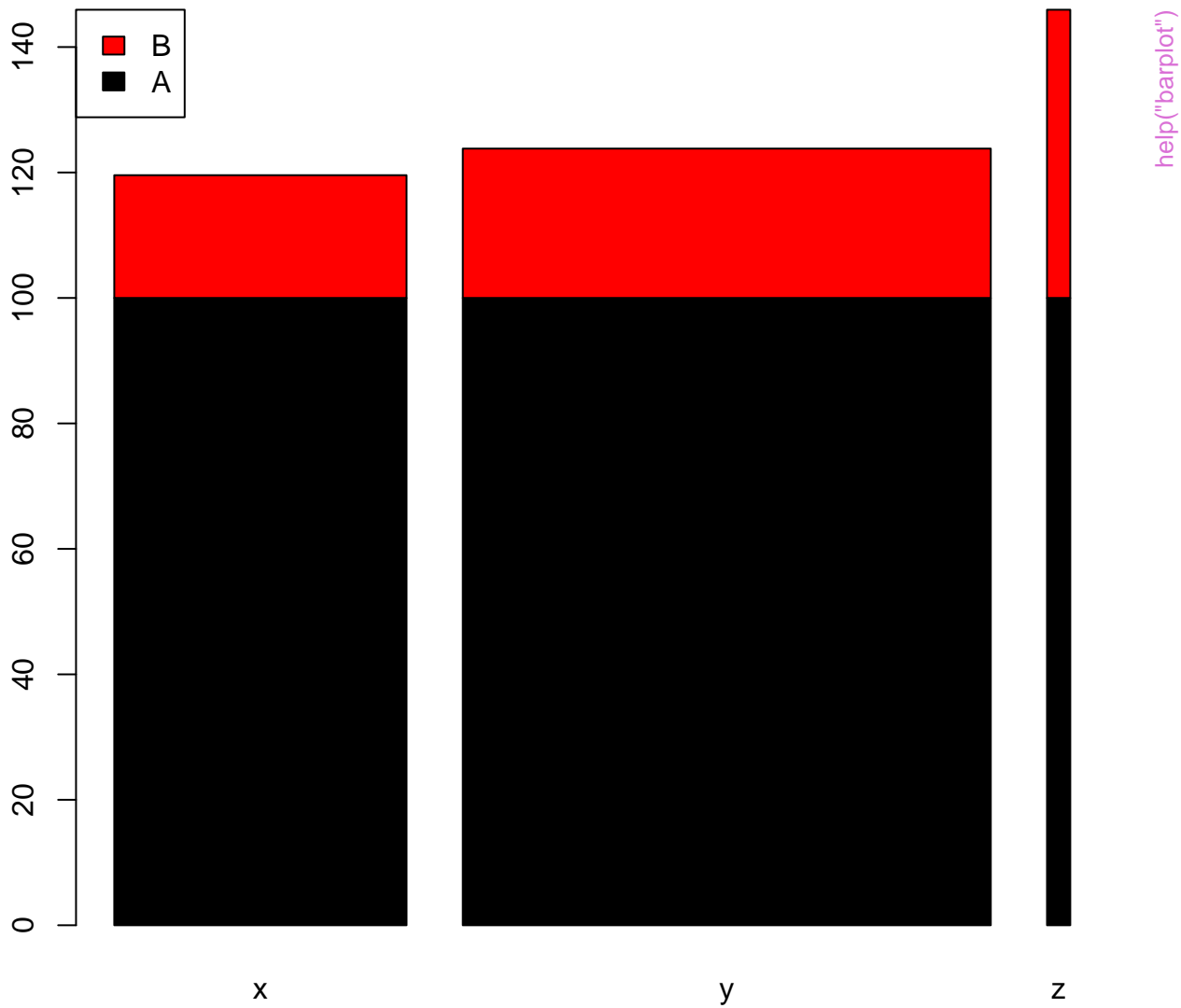


help("barplot")

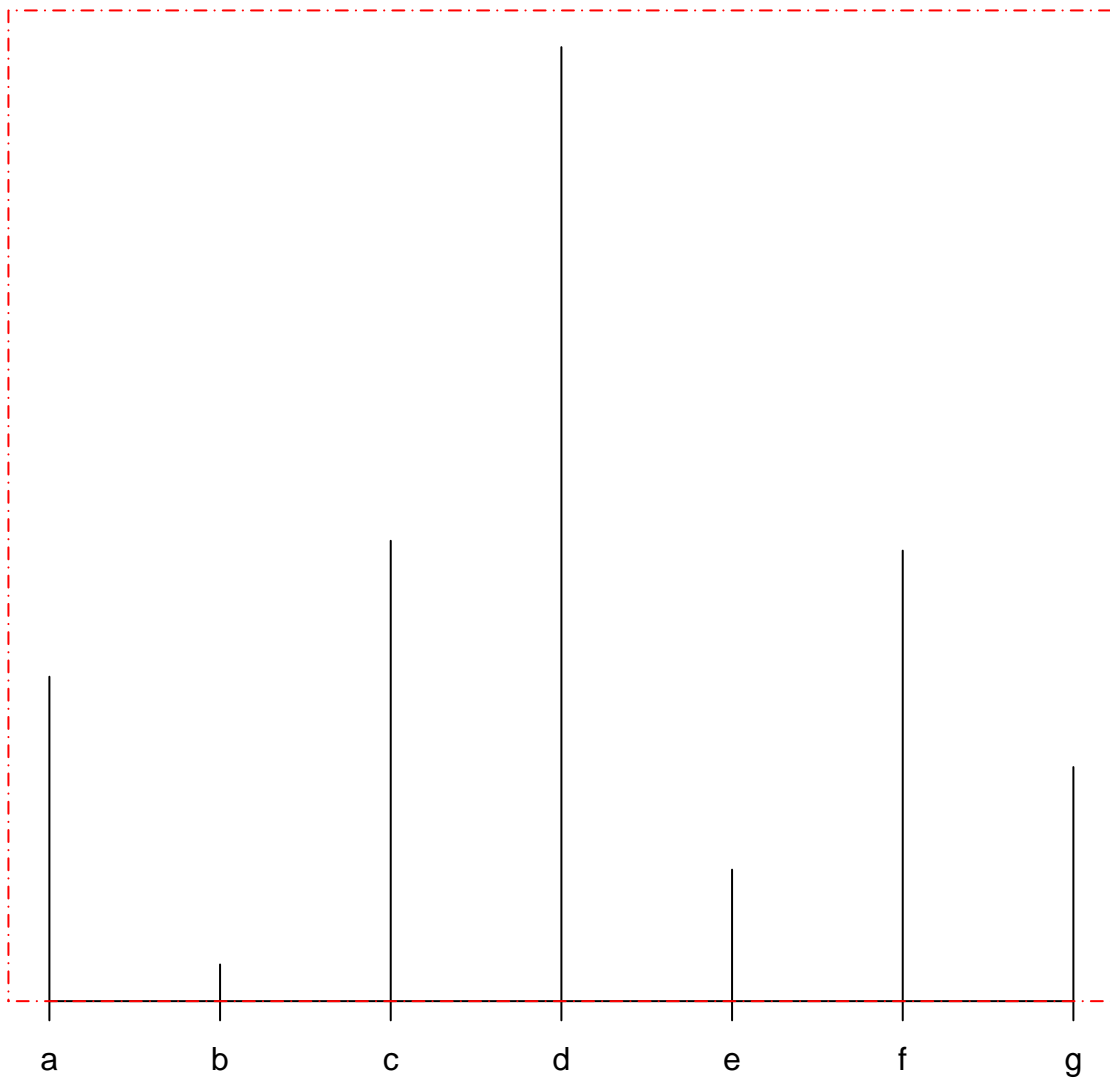


`help("barplot")`



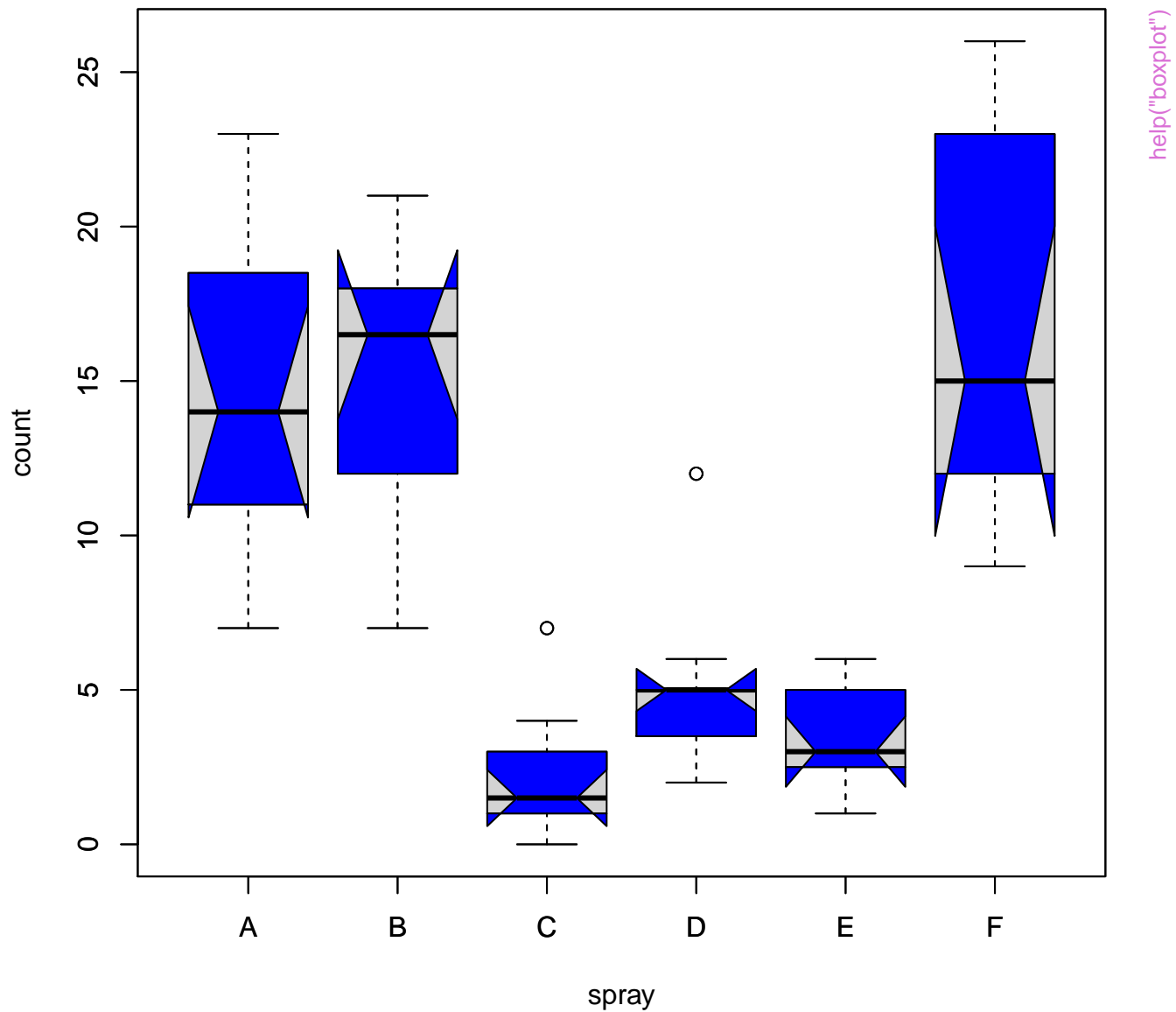


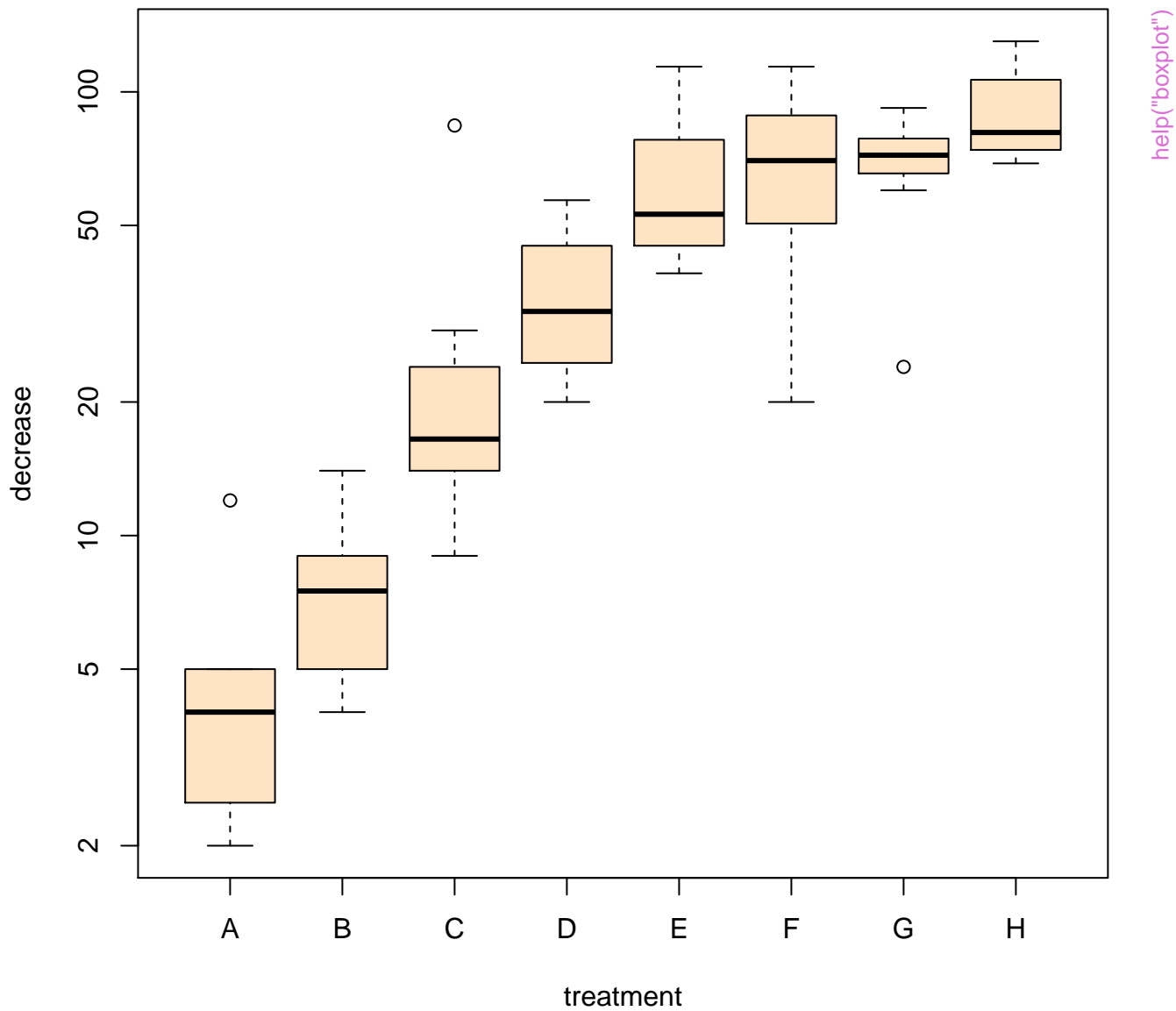
abs(stats::rnorm(7))



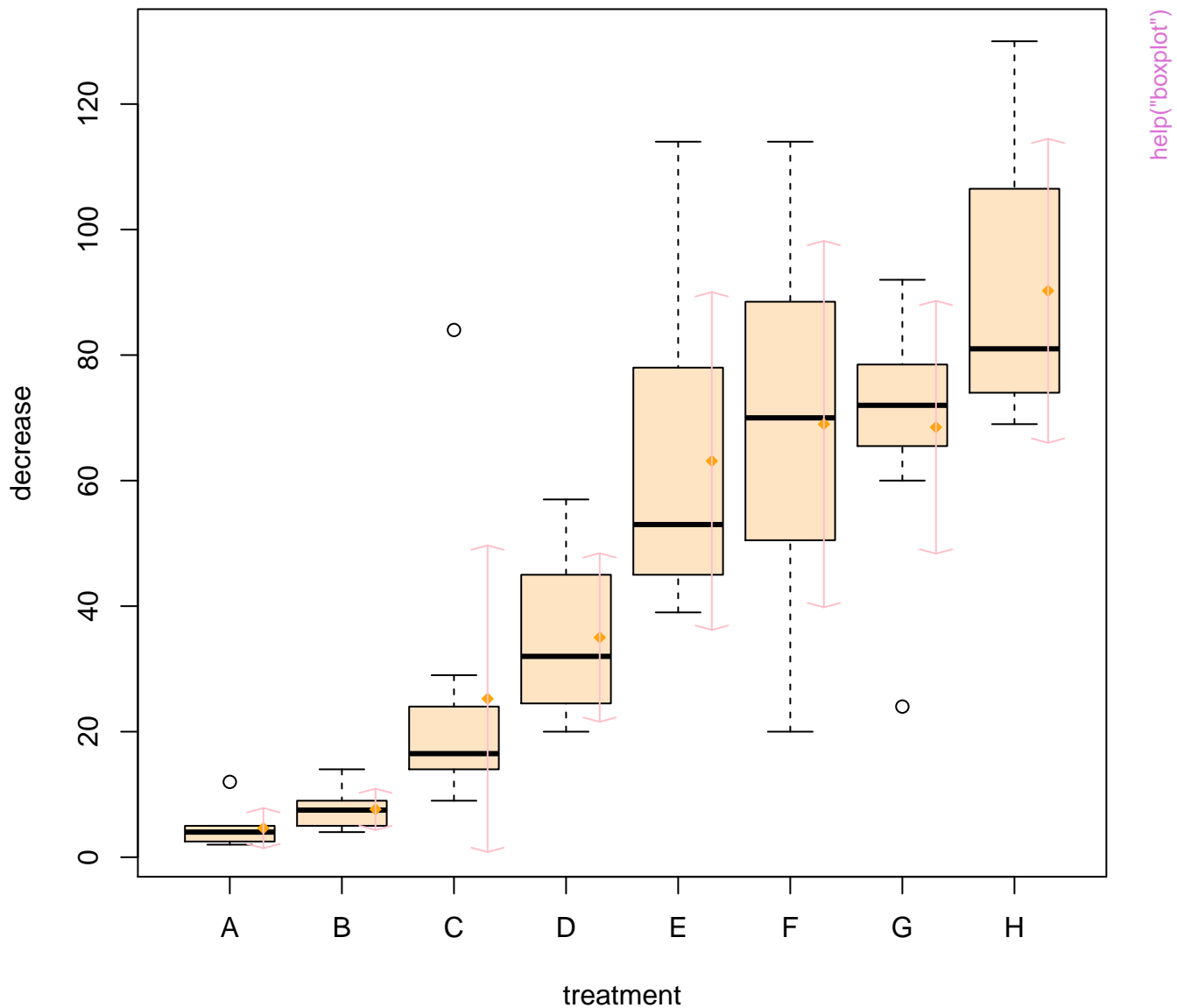
1:7

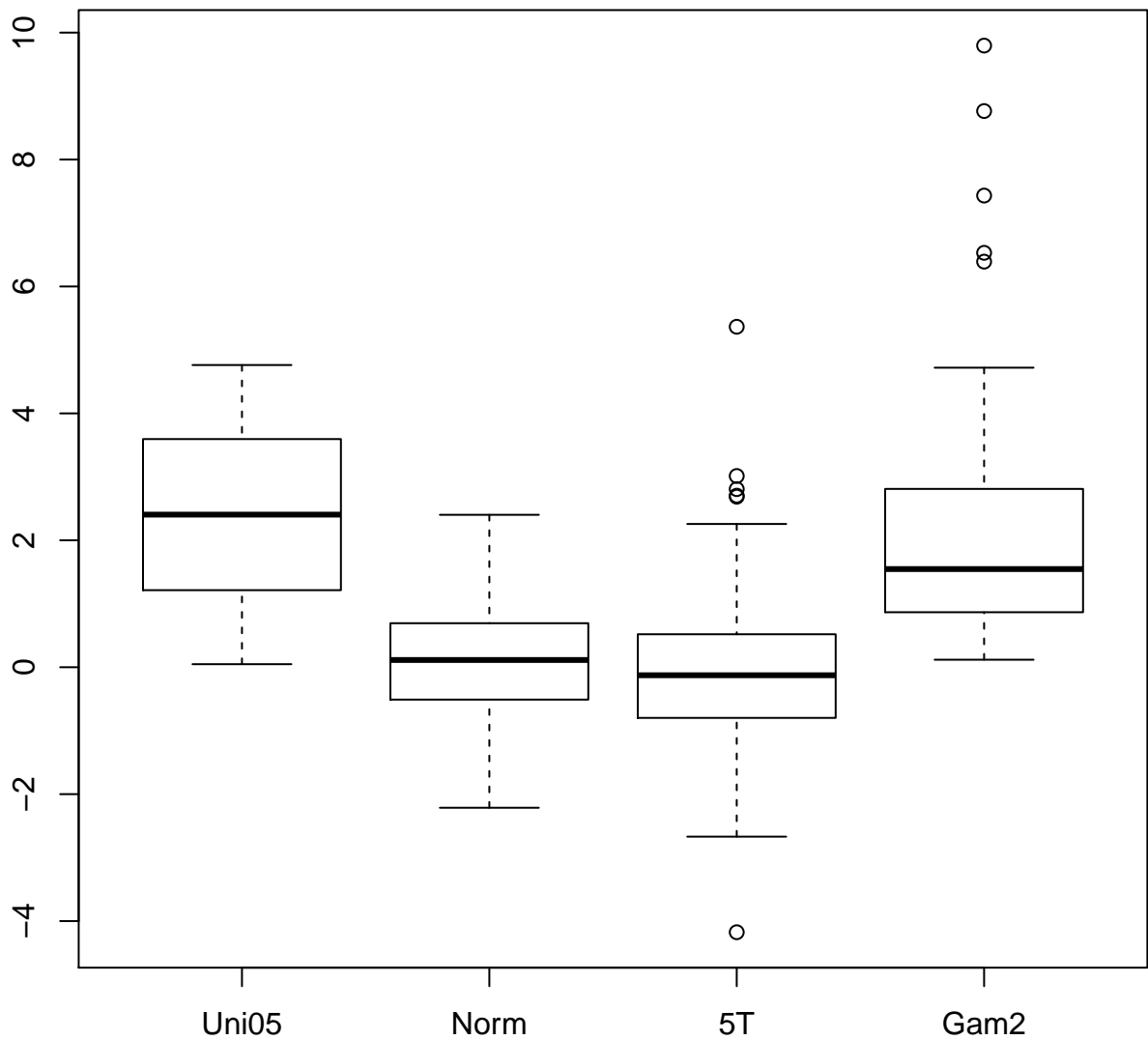
help("box")





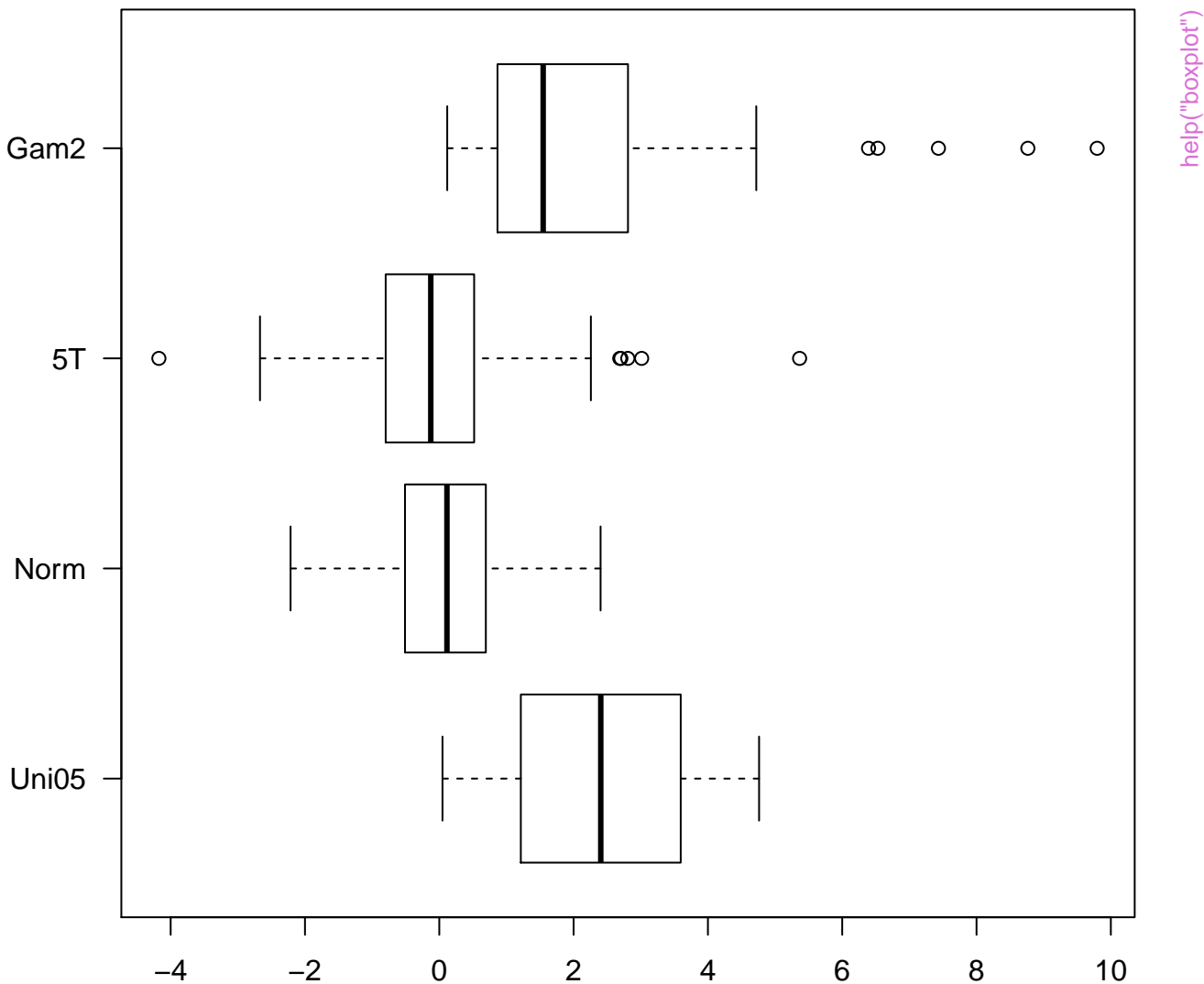
# Comparing boxplot(s) and non-robust mean $\pm$ SD



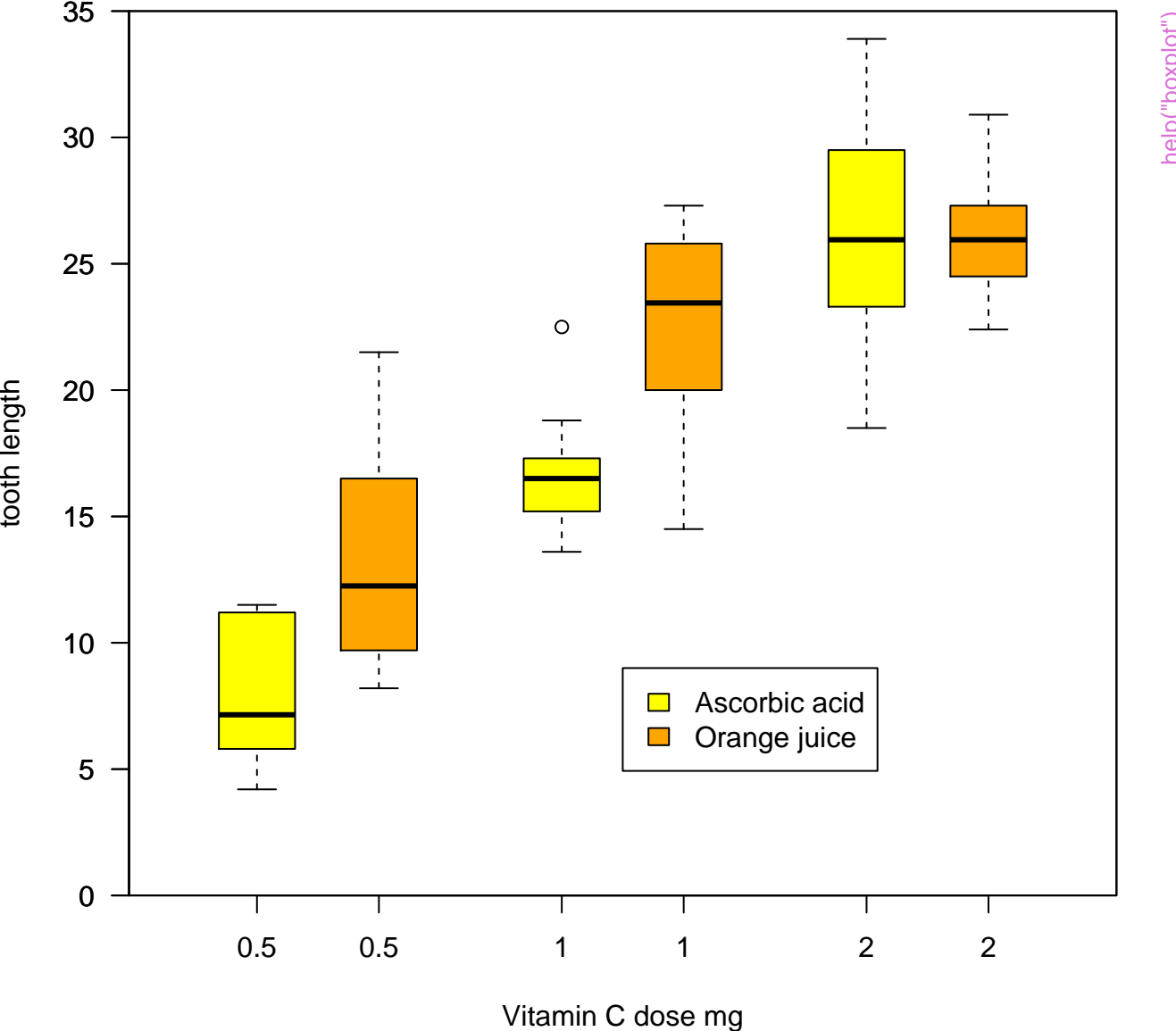


help("boxplot")

**boxplot(\*, horizontal = TRUE)**

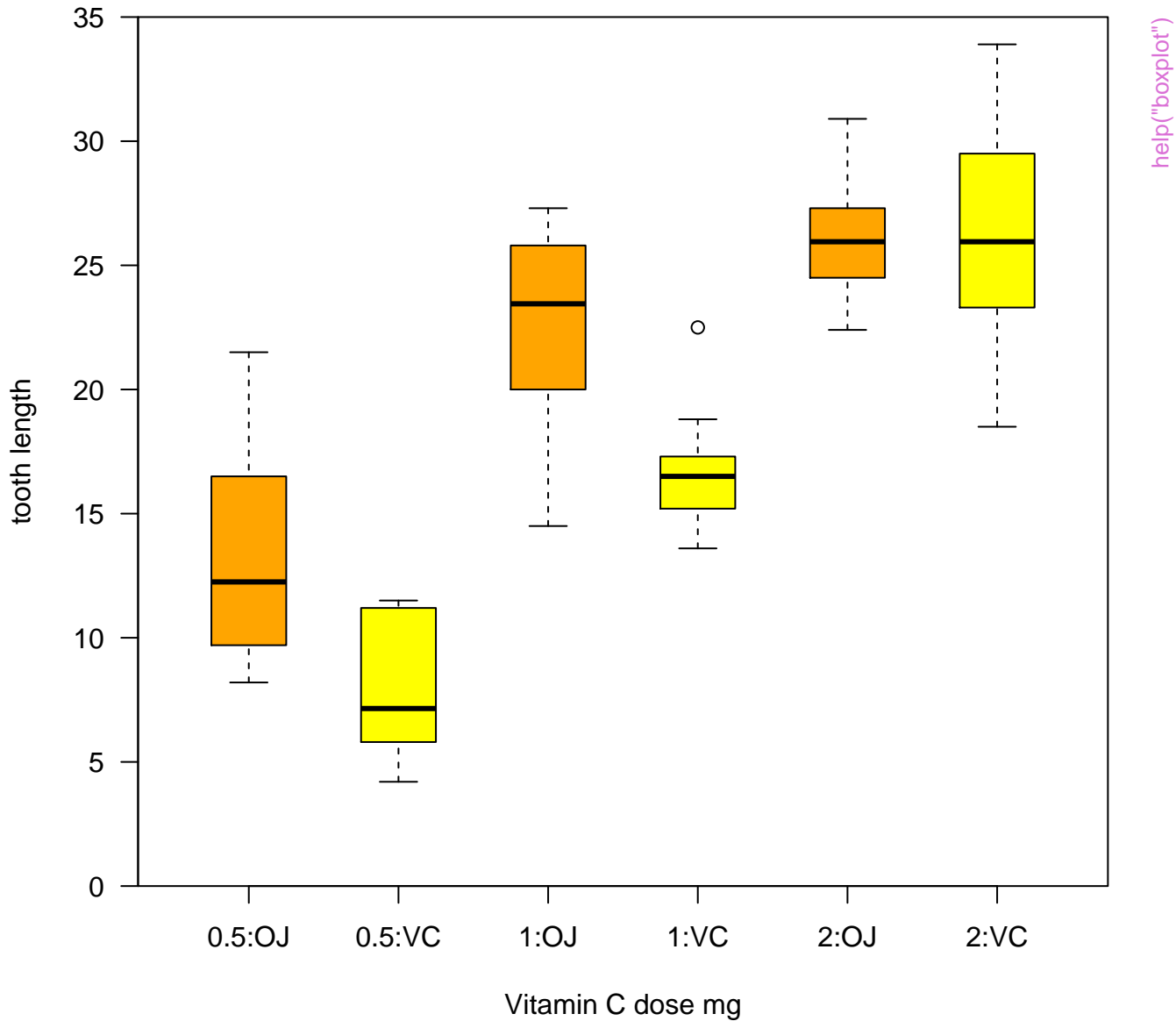


Guinea Pigs' Tooth Growth

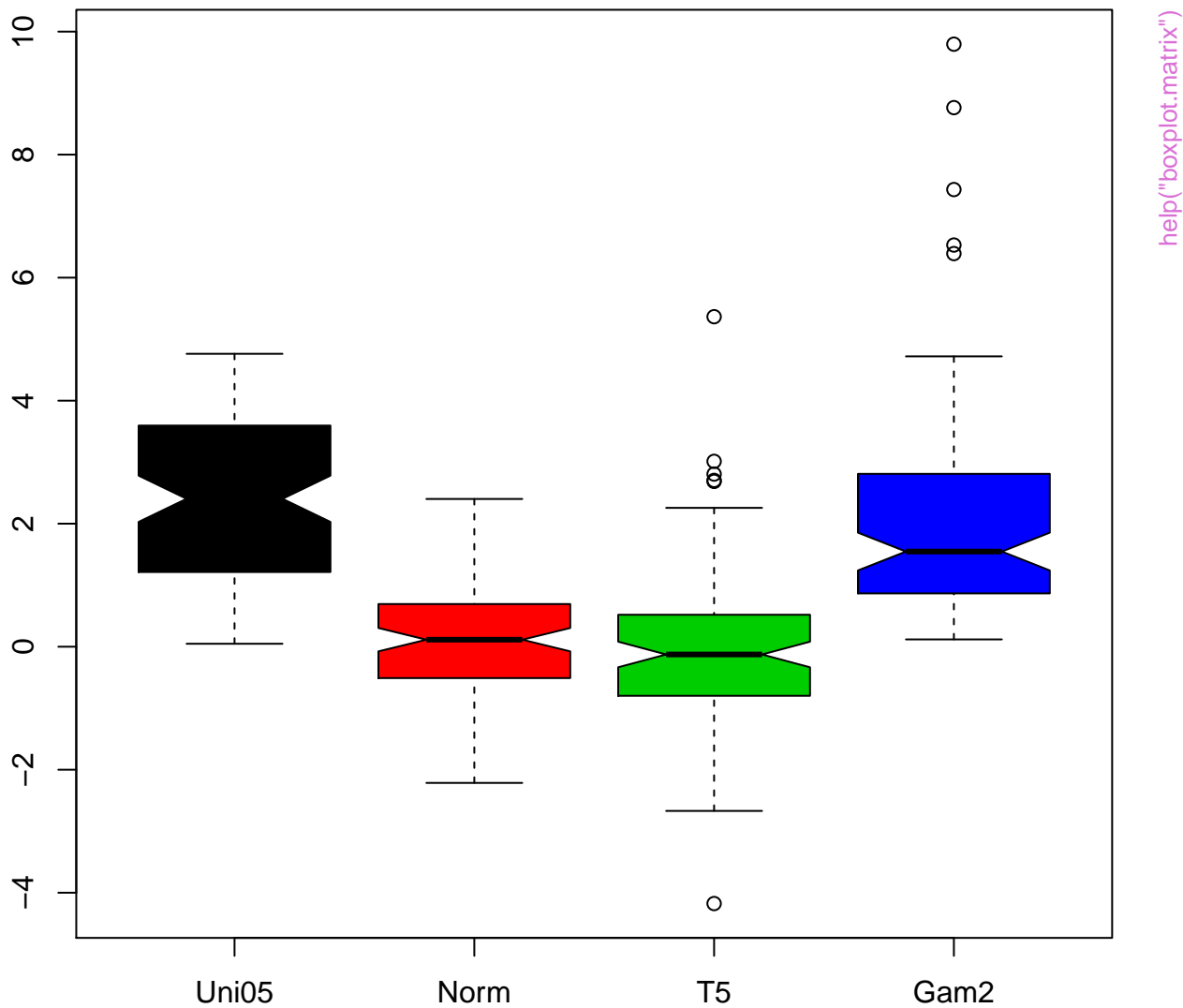




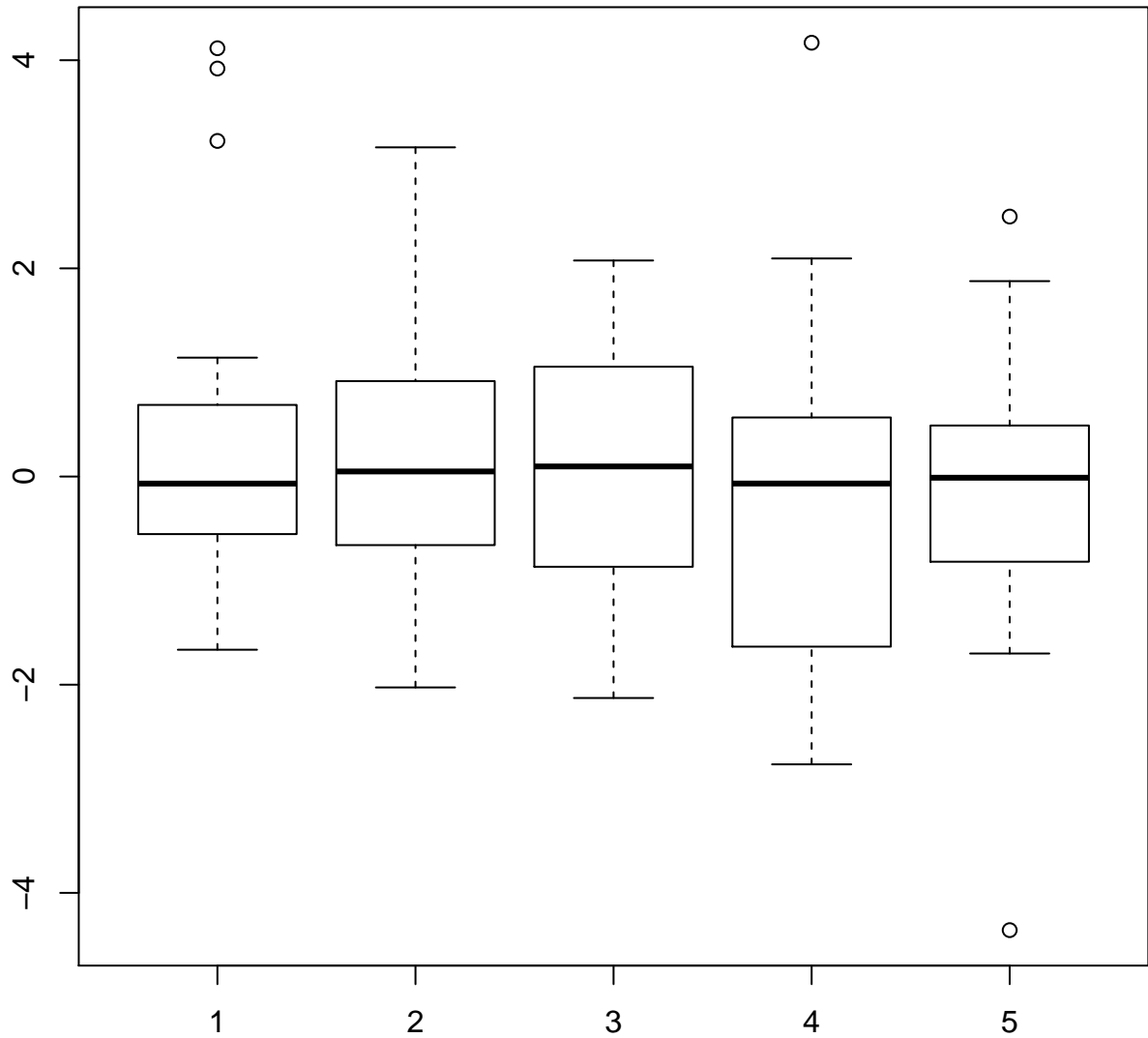
# Guinea Pigs' Tooth Growth



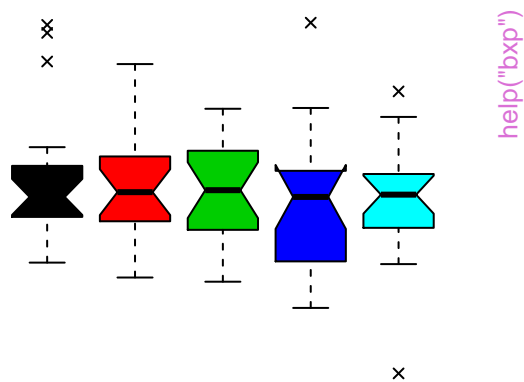
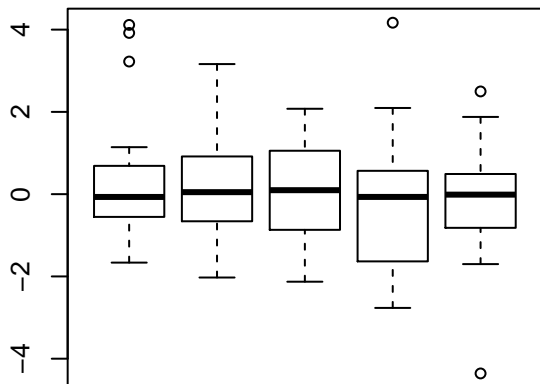
**boxplot.matrix(...., main = ...)**



[help\("boxplot.matrix"\)](#)

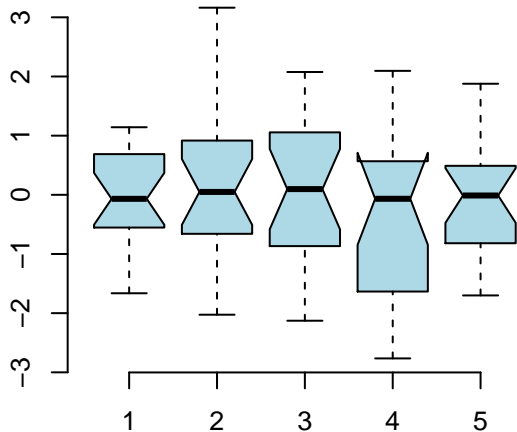


help("bxp")

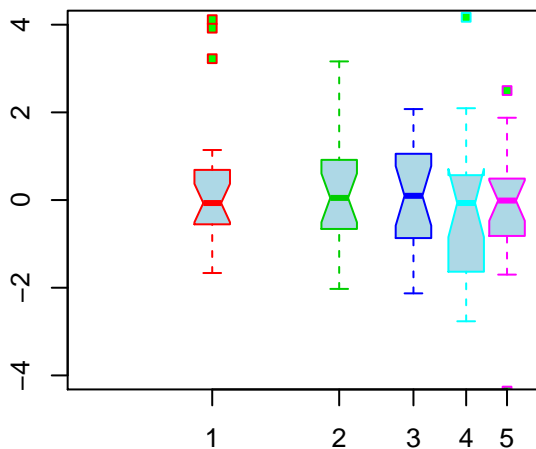


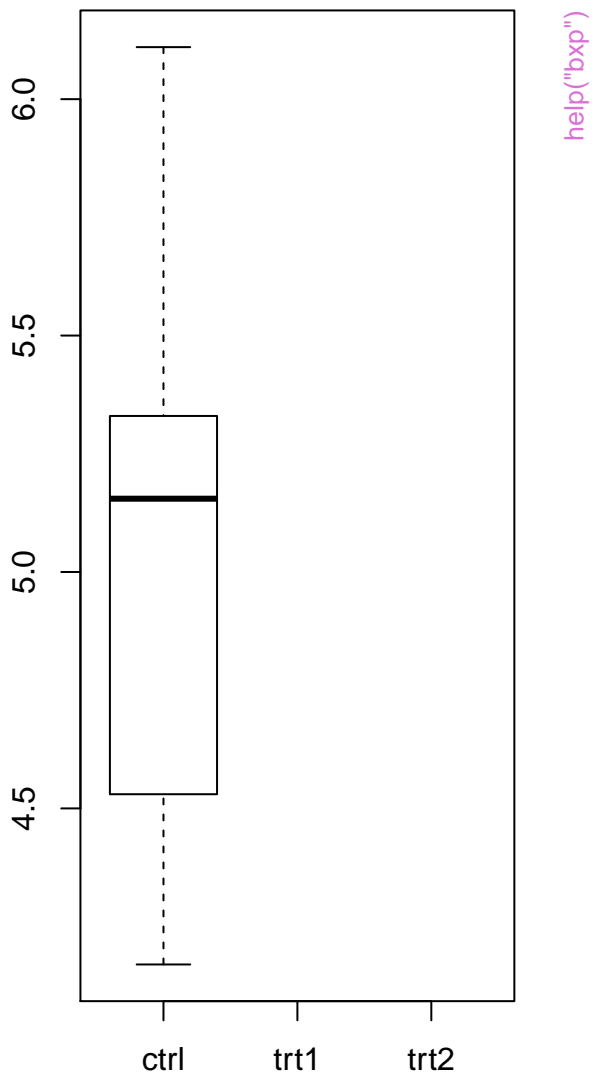
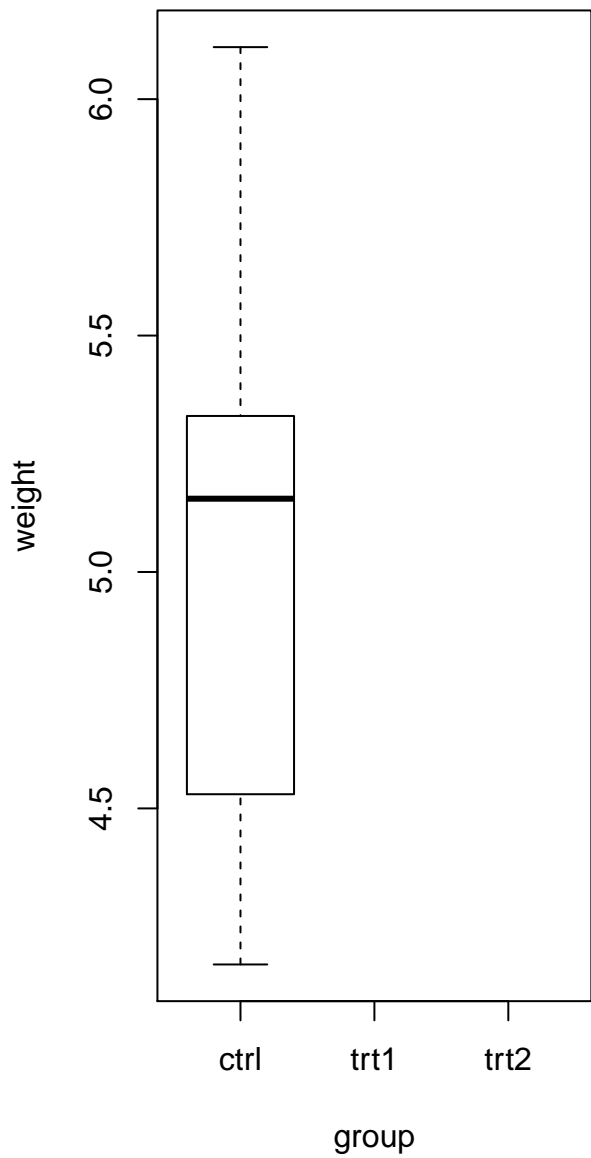
`help("bxp")`

`bxp(*, frame= FALSE, outl= FALSE)`

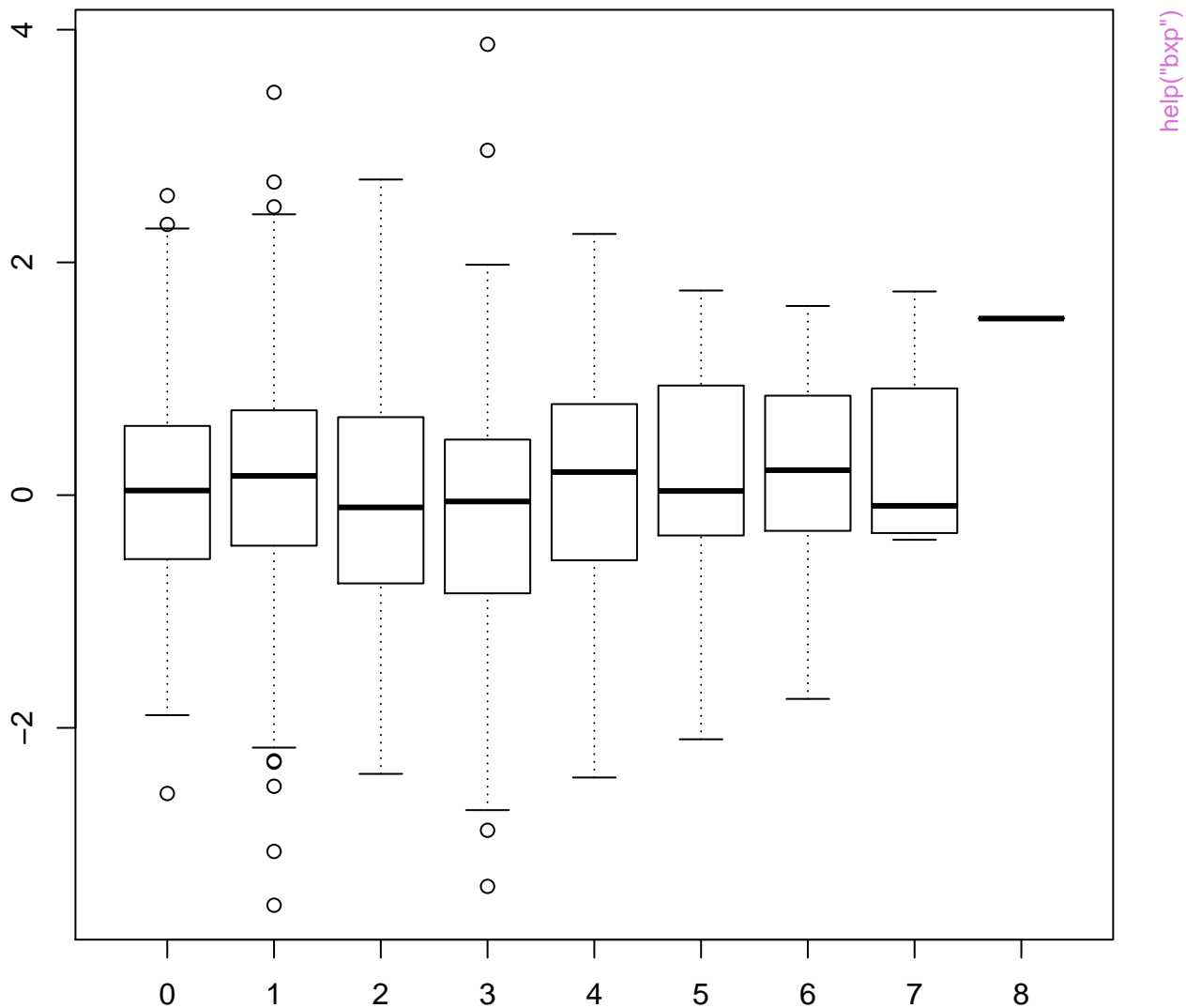


`... log = 'x', ylim = *`



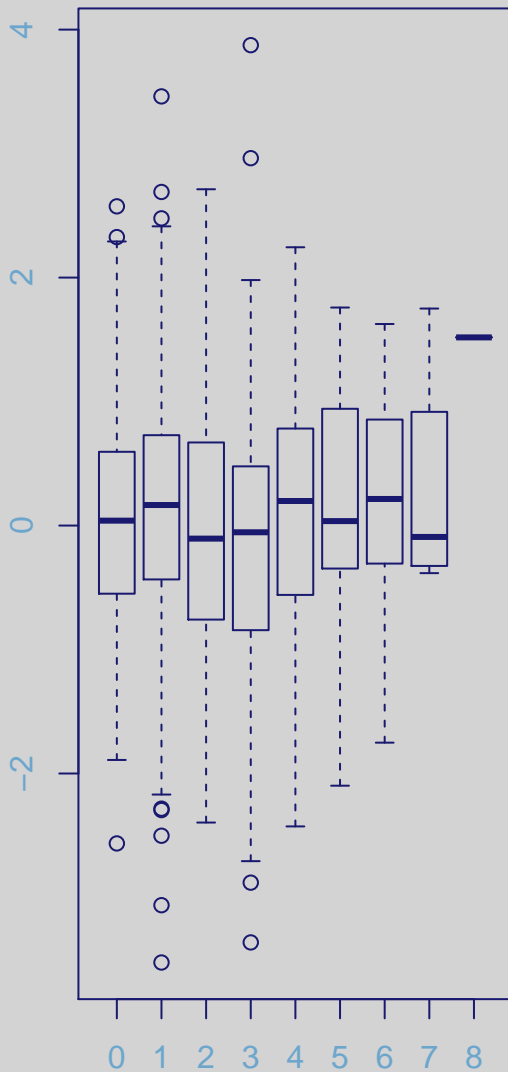


**boxplot(z, whisklty = 3)**

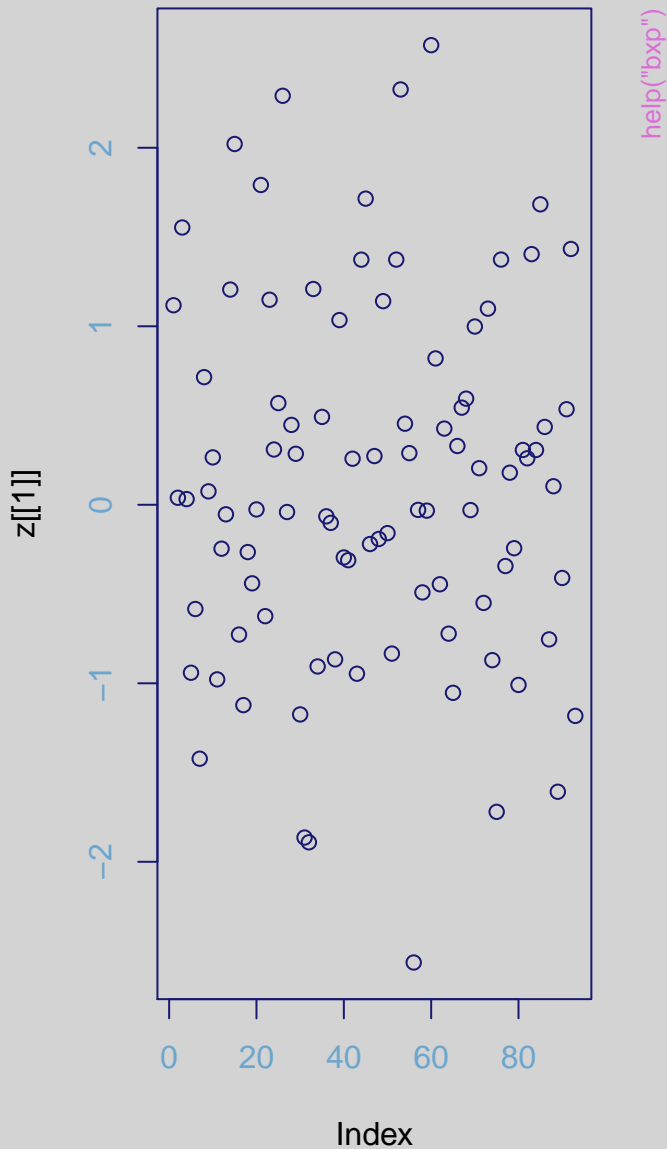


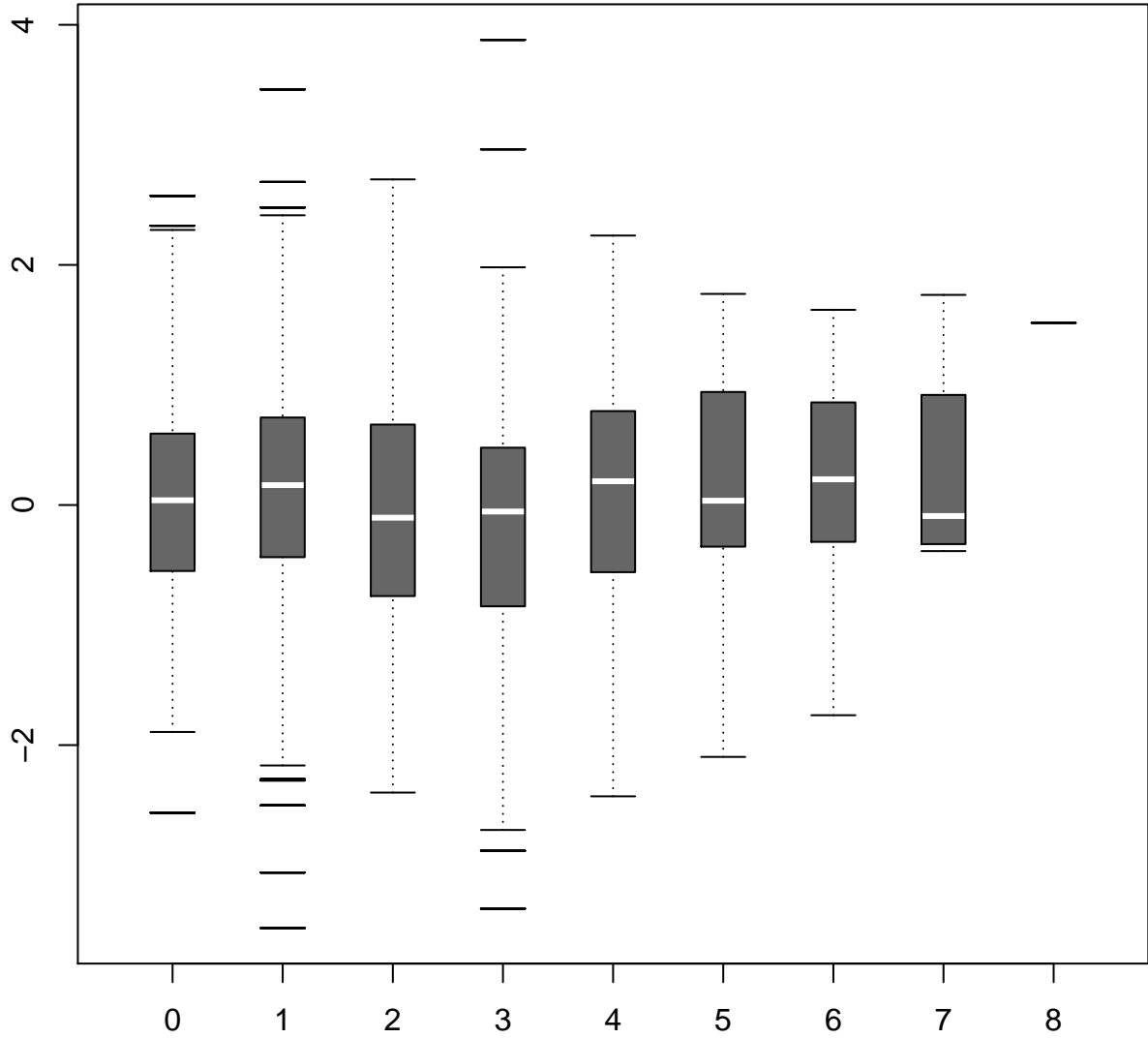
`par(bg="light gray", fg="midnight blue")`

`boxplot(*, col.axis=..,main=..)`



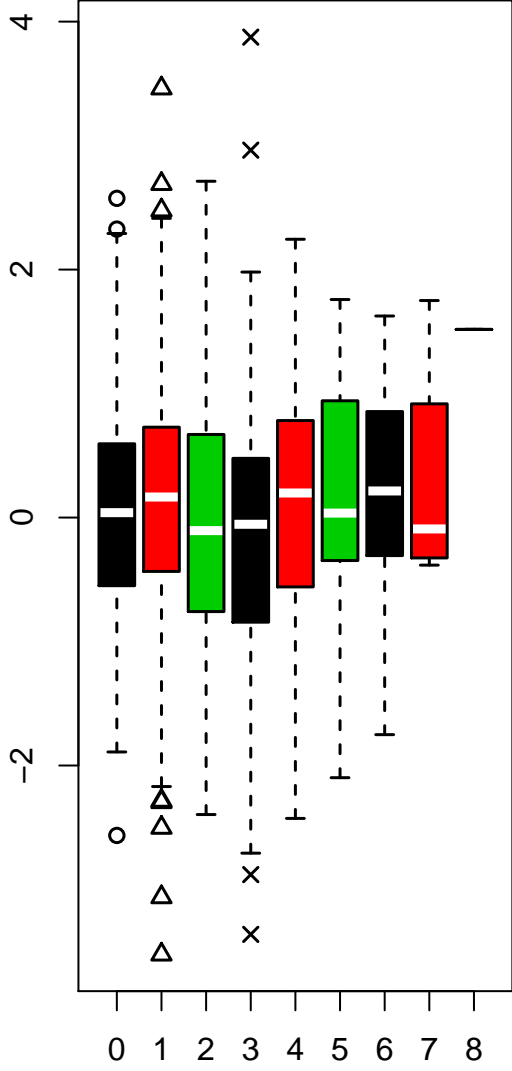
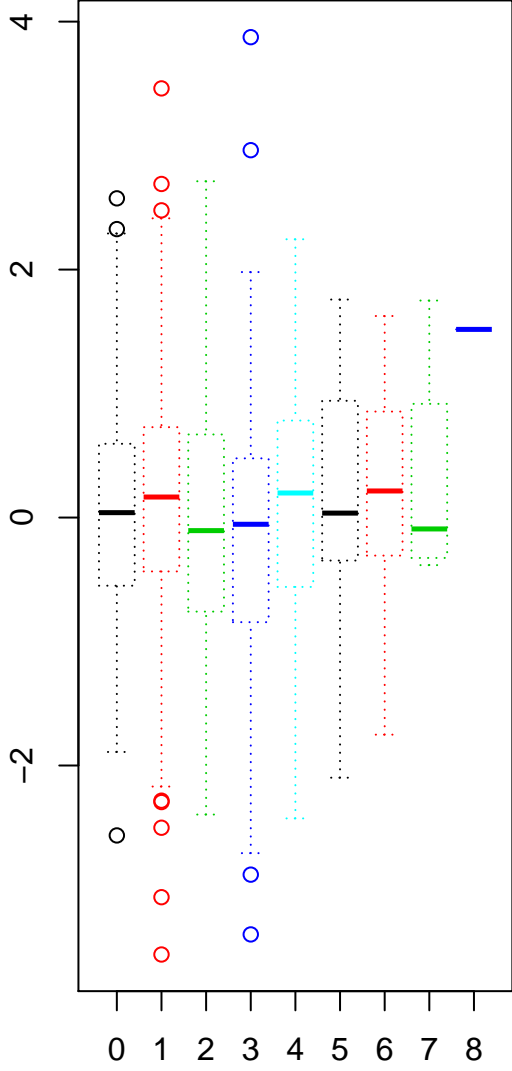
`plot(*, col.axis=..,main=..)`



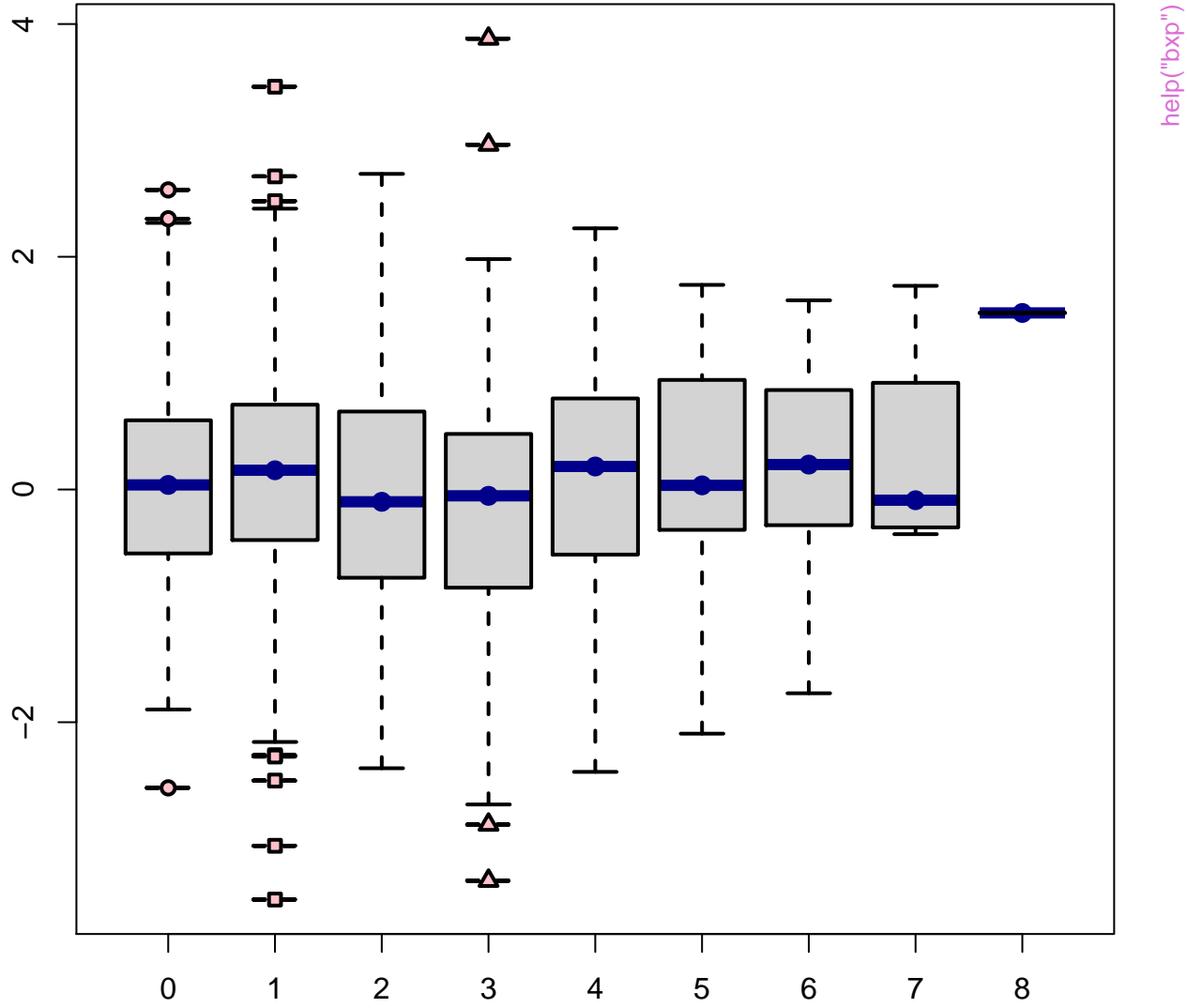


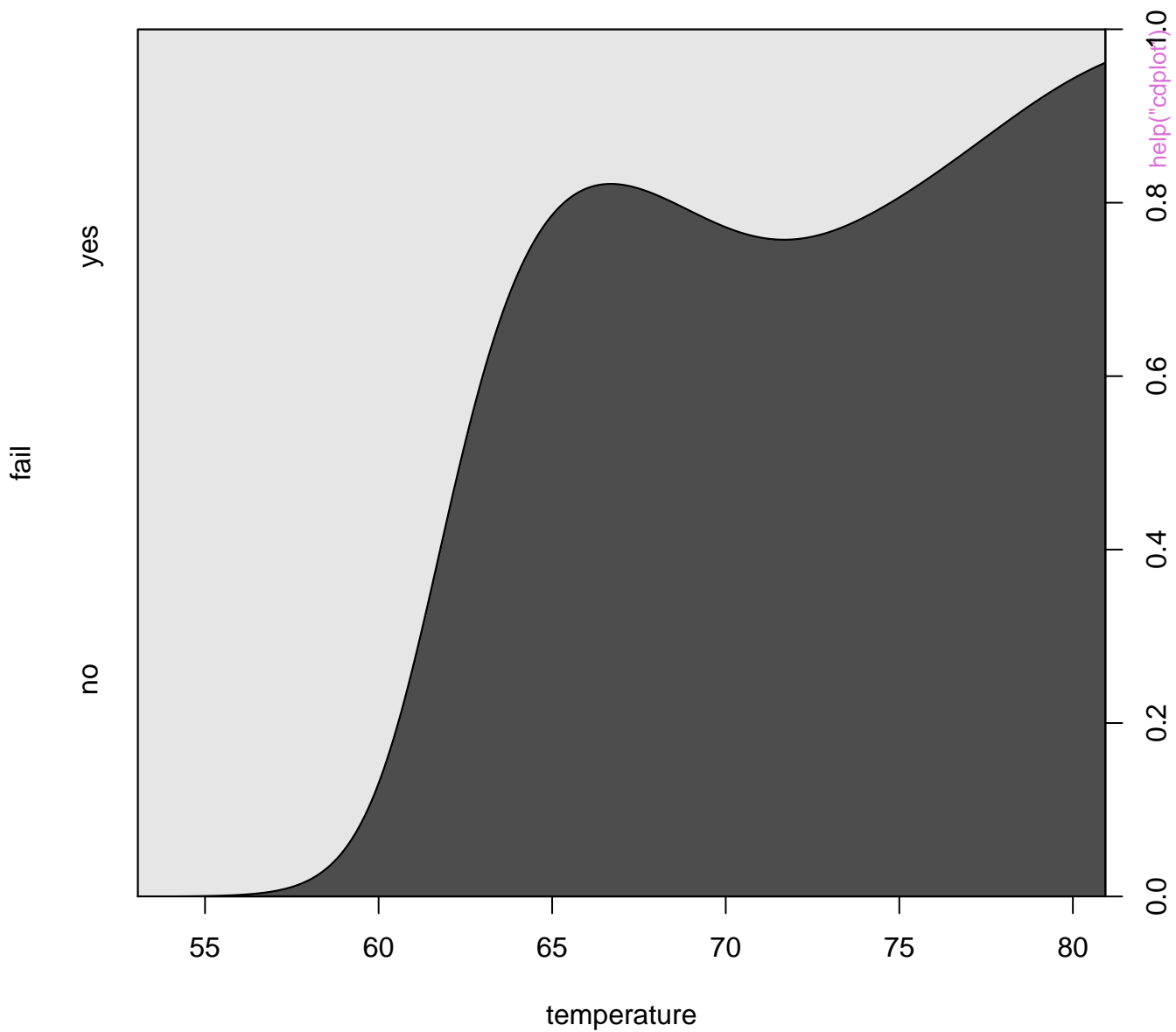
help("bxp")

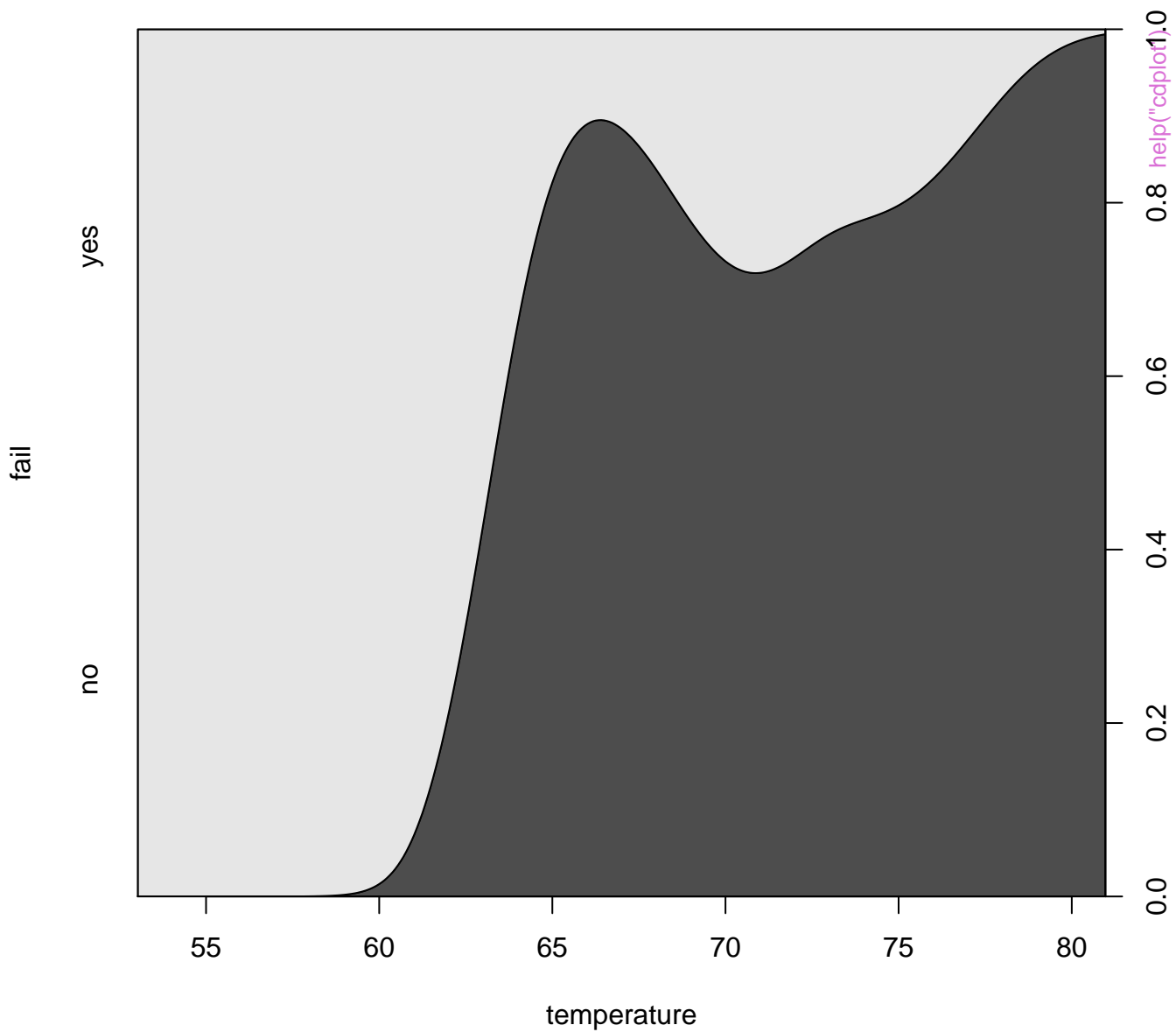


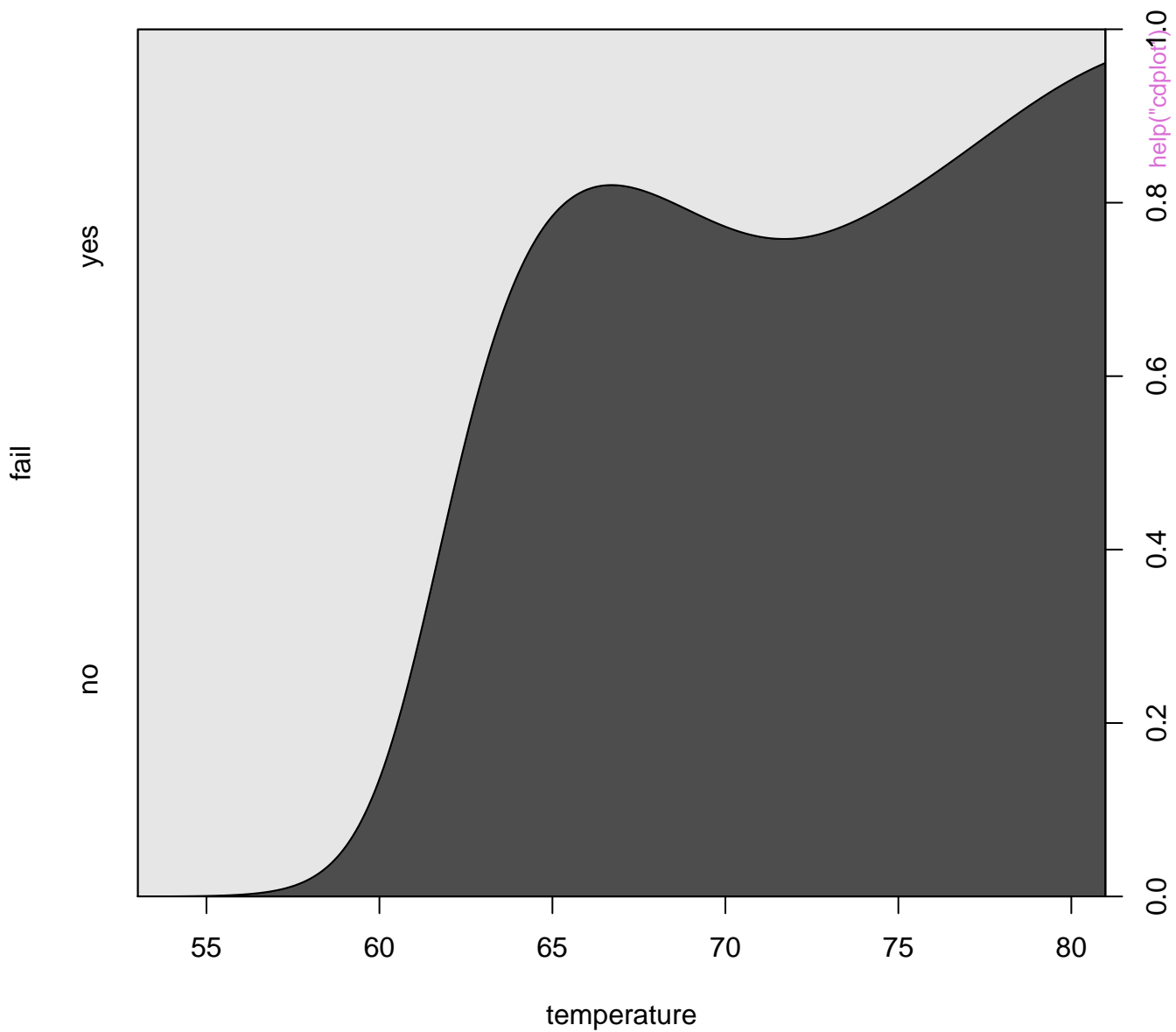


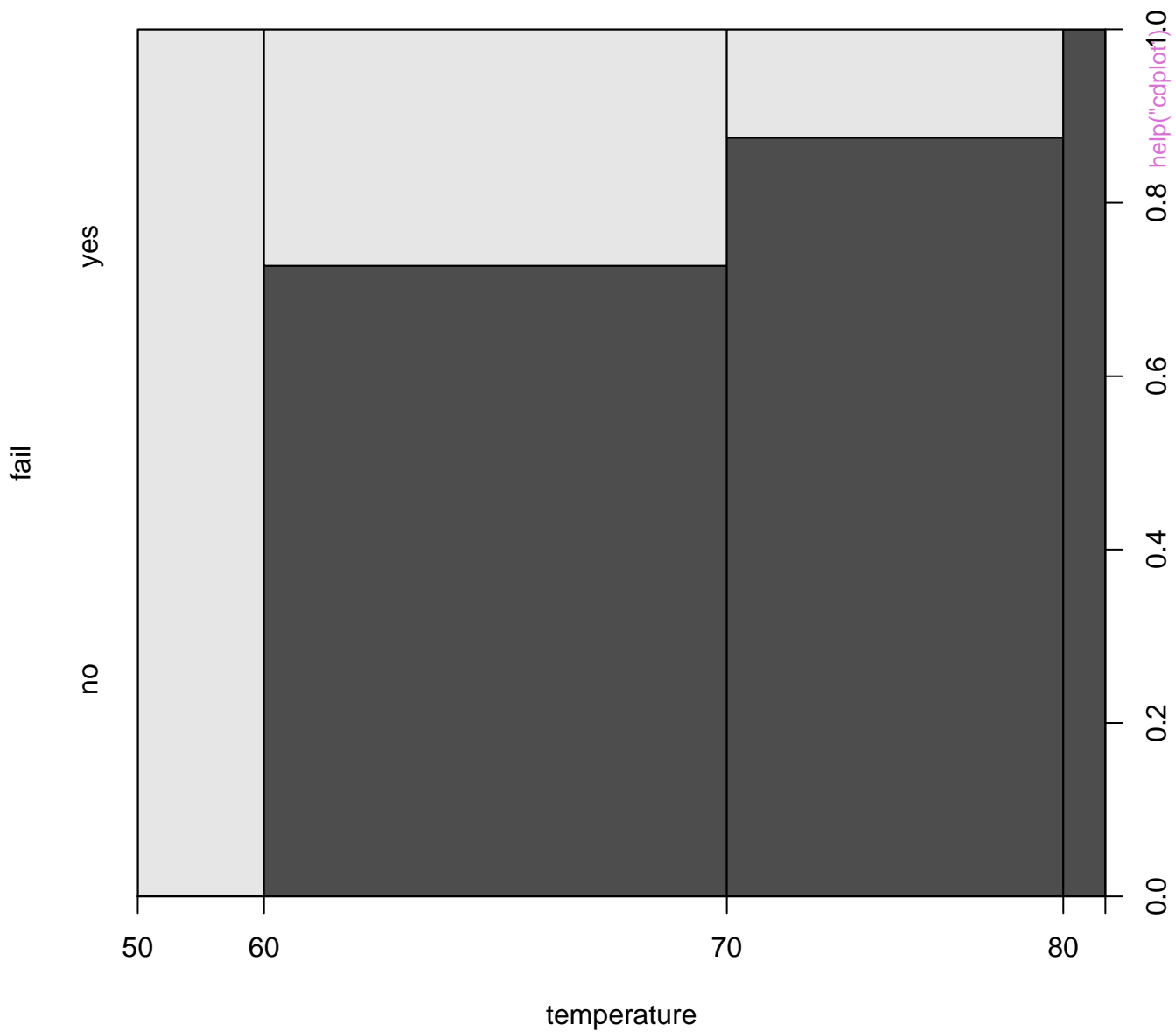
help("bxp")

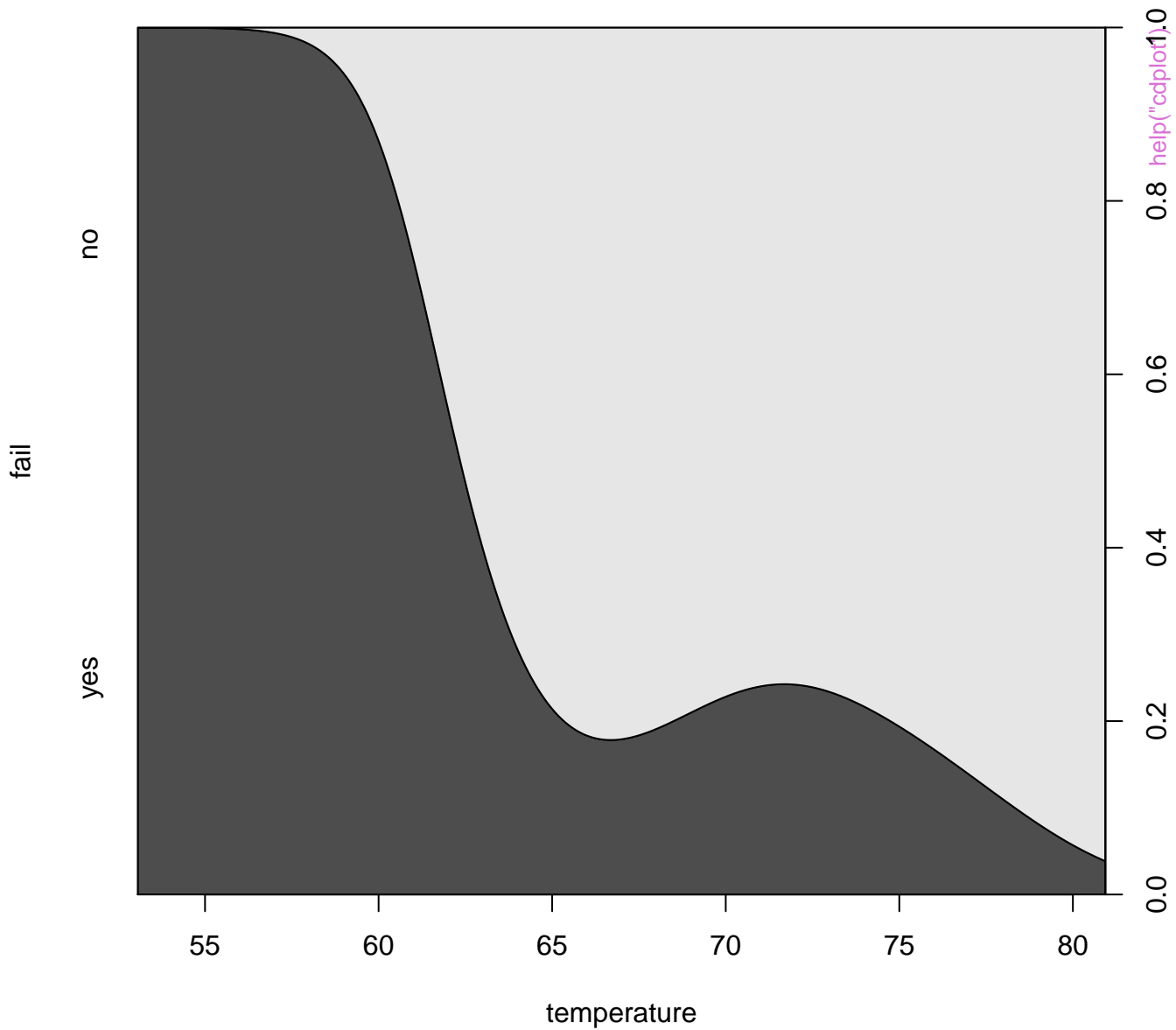


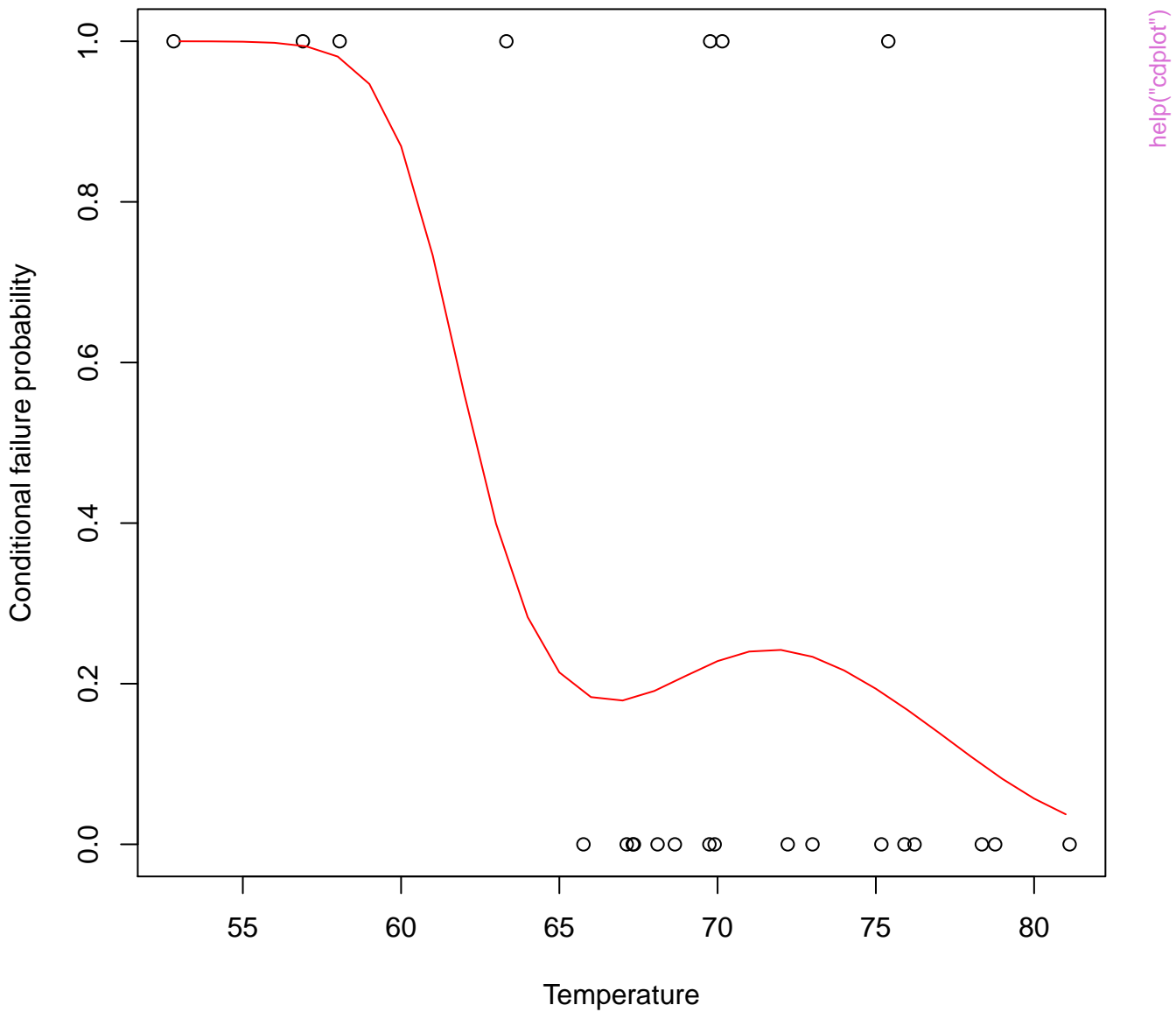






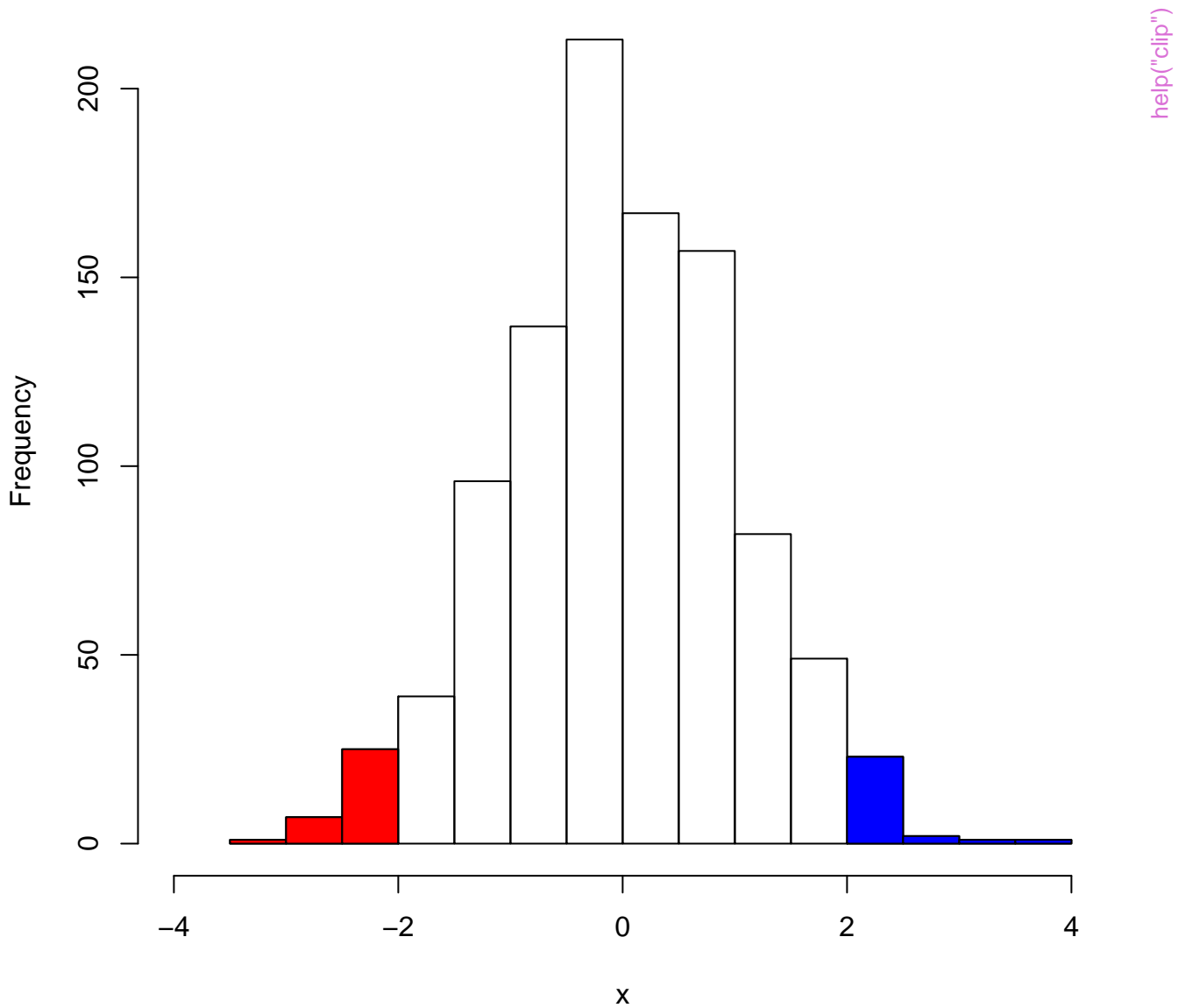


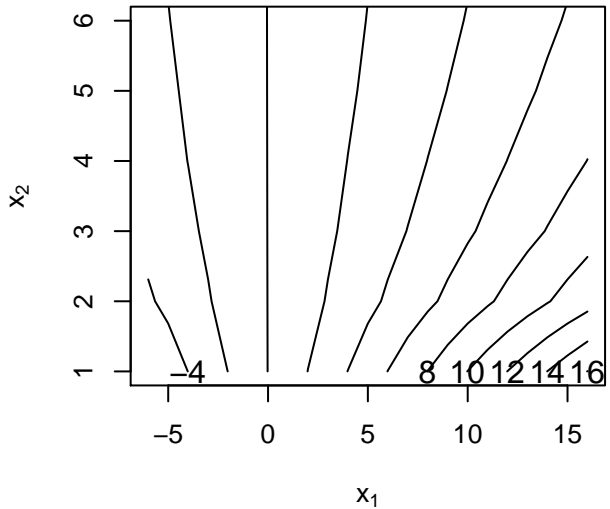
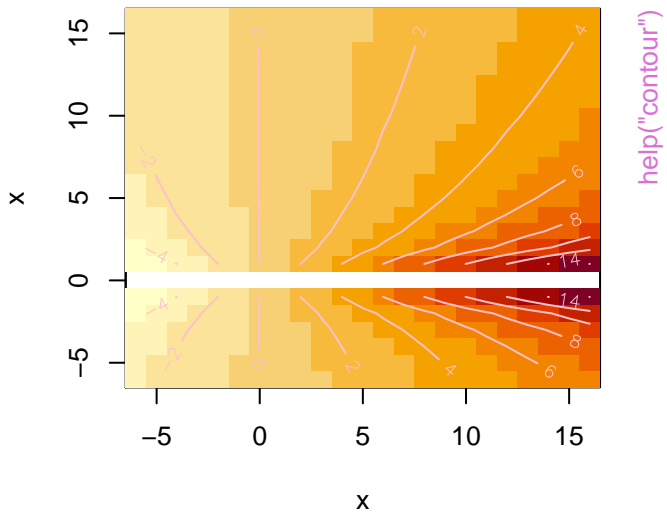
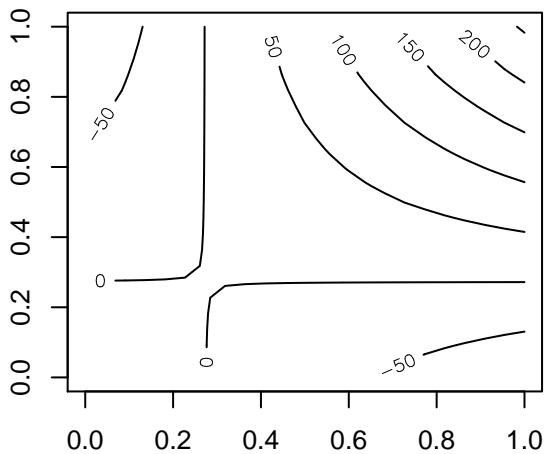




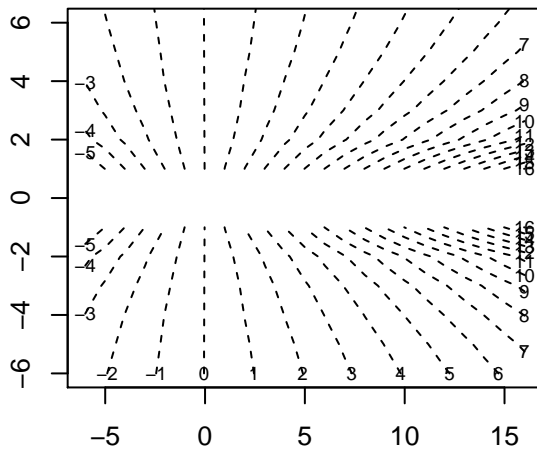


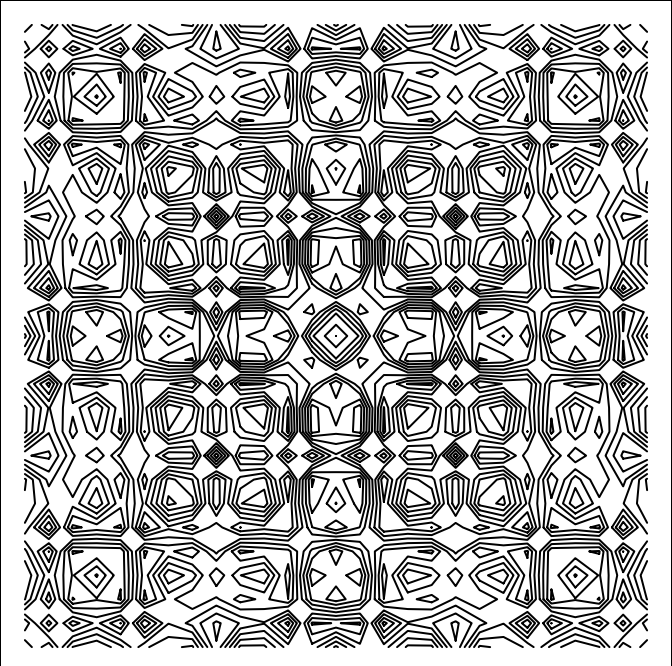
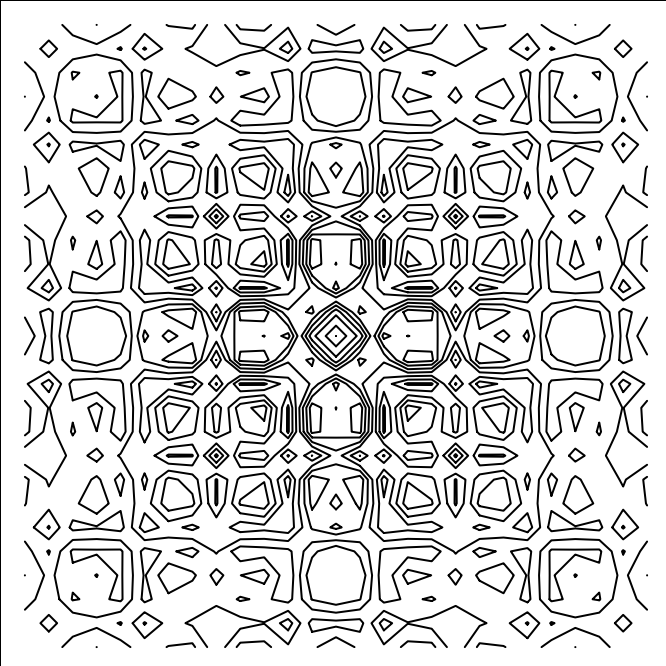
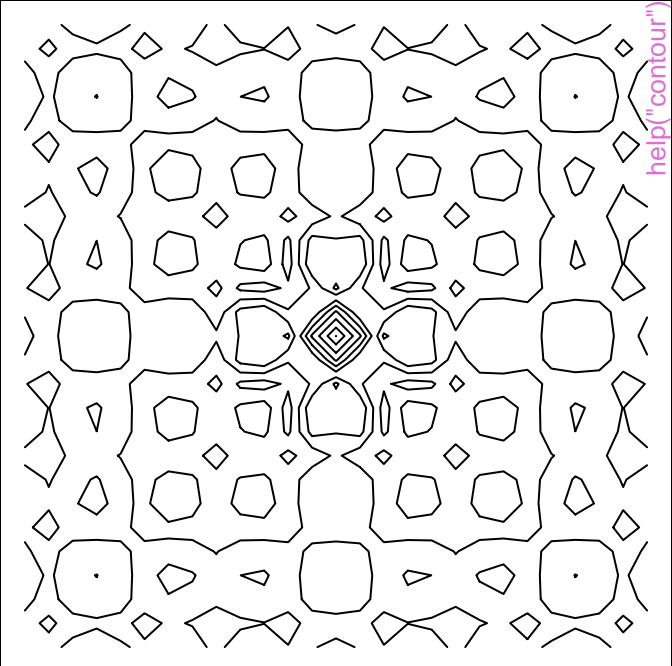
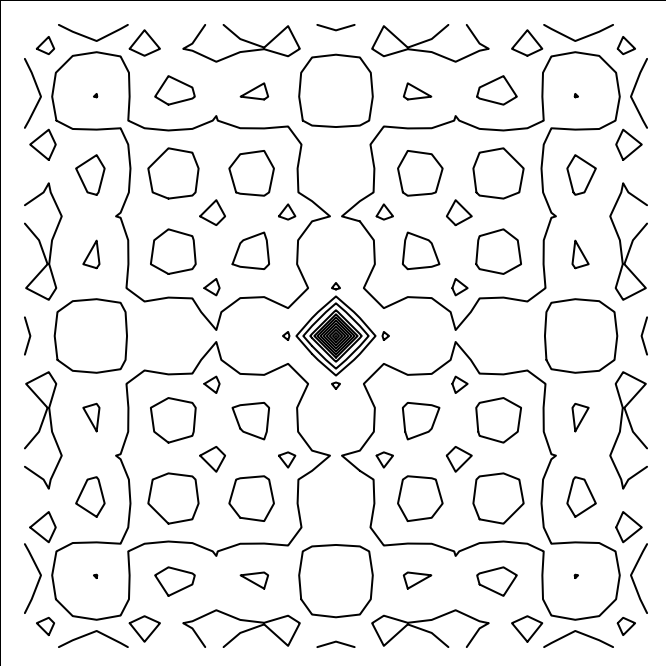
Histogram of x



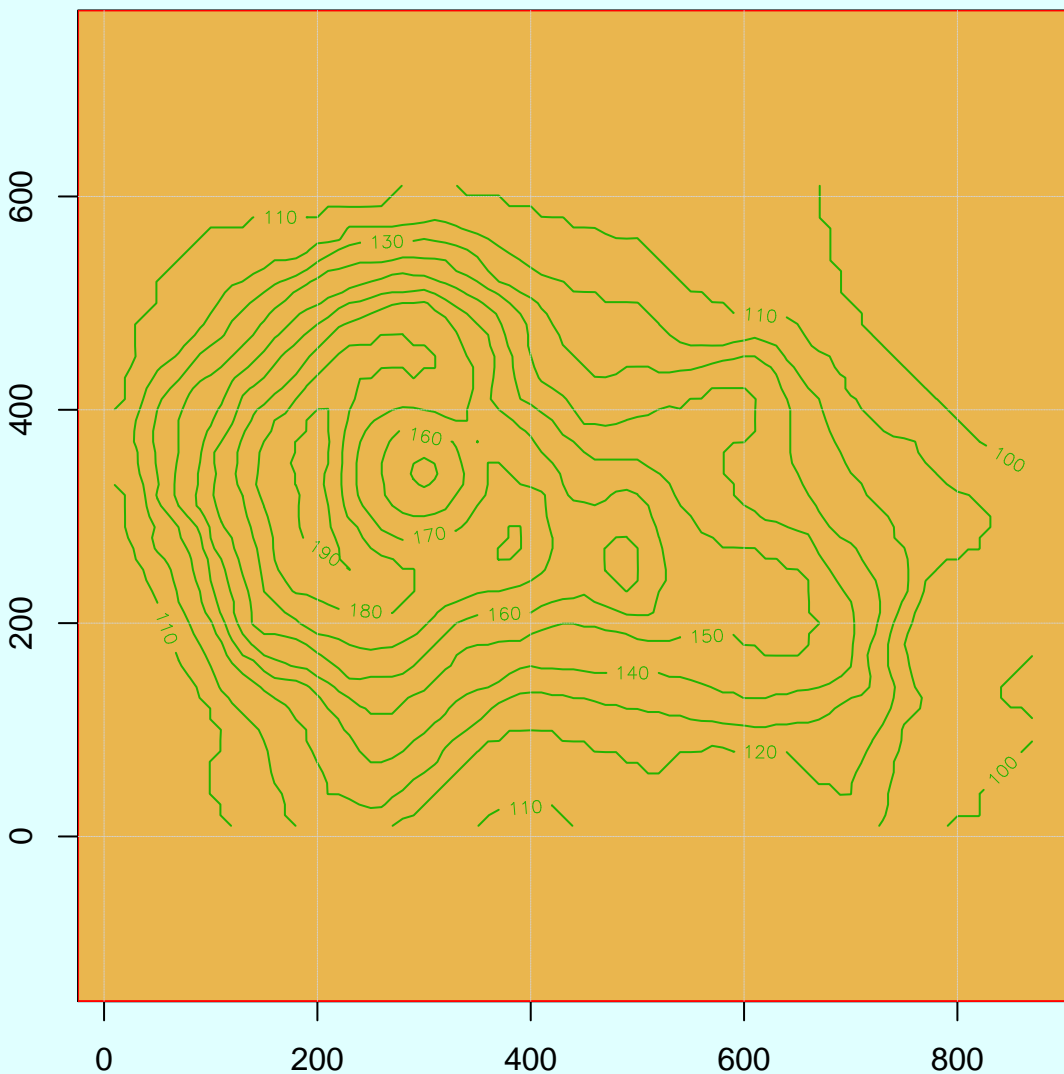


**20 levels; "simple" labelling method**

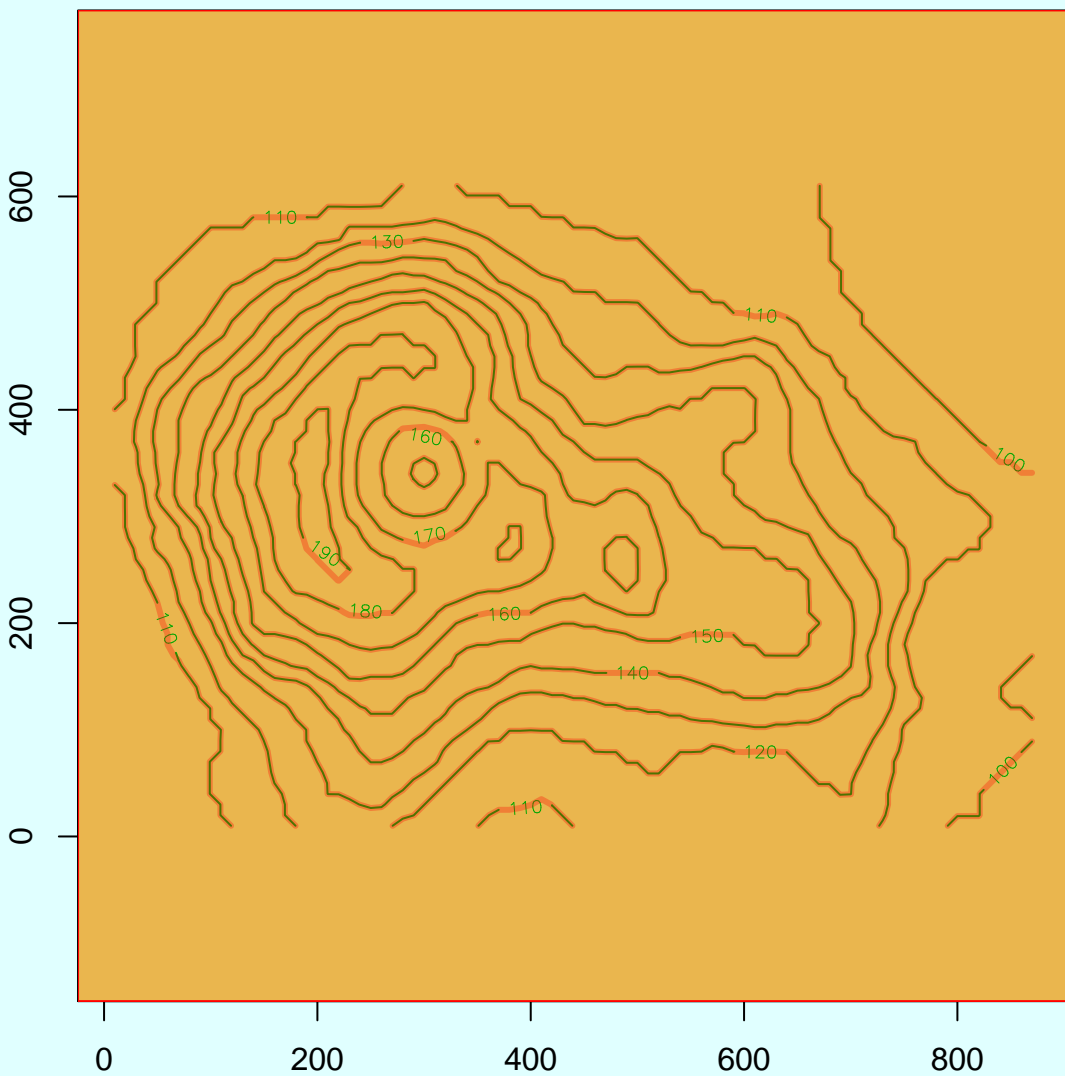




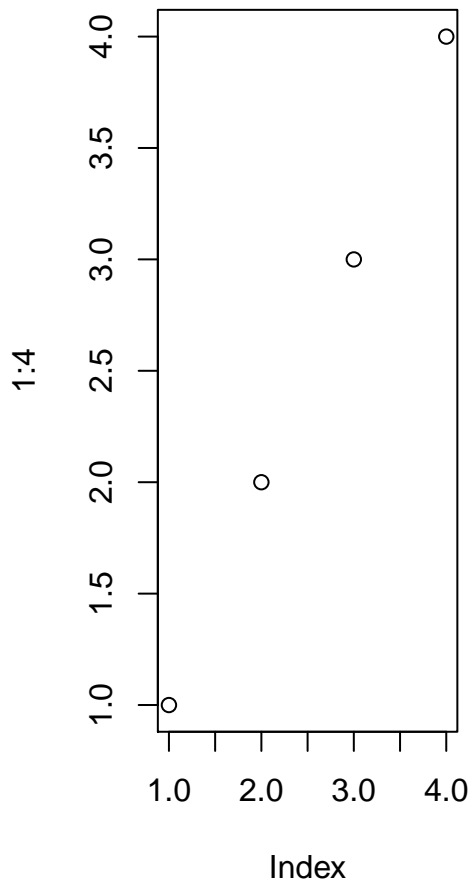
# A Topographic Map of Maunga Whau



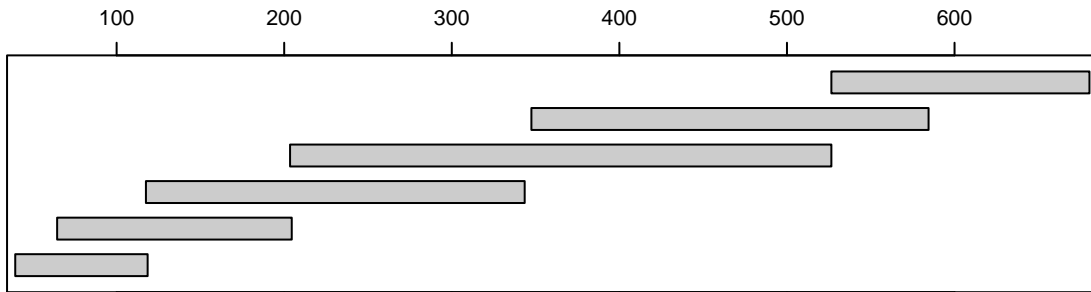
help("contour")



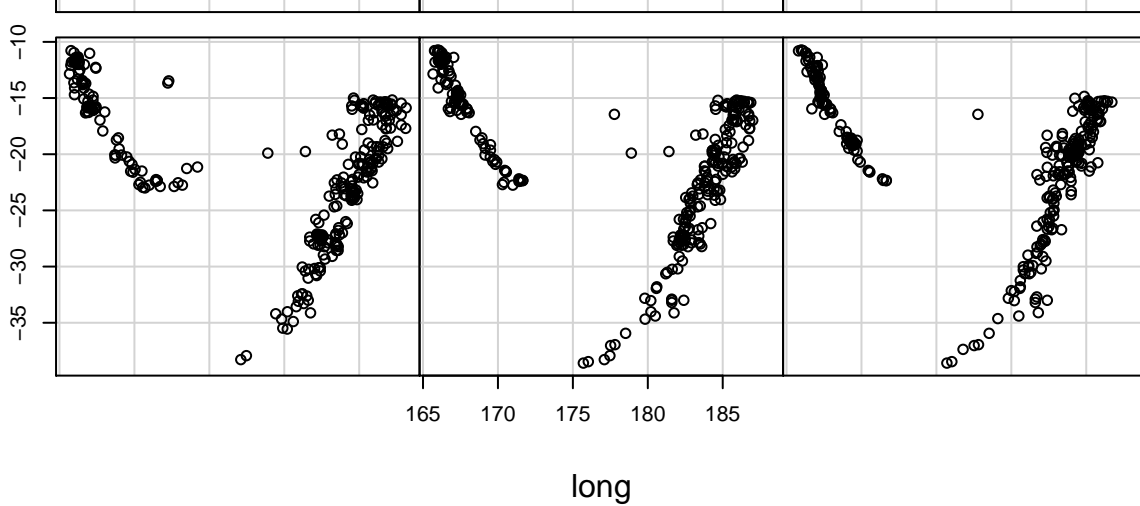
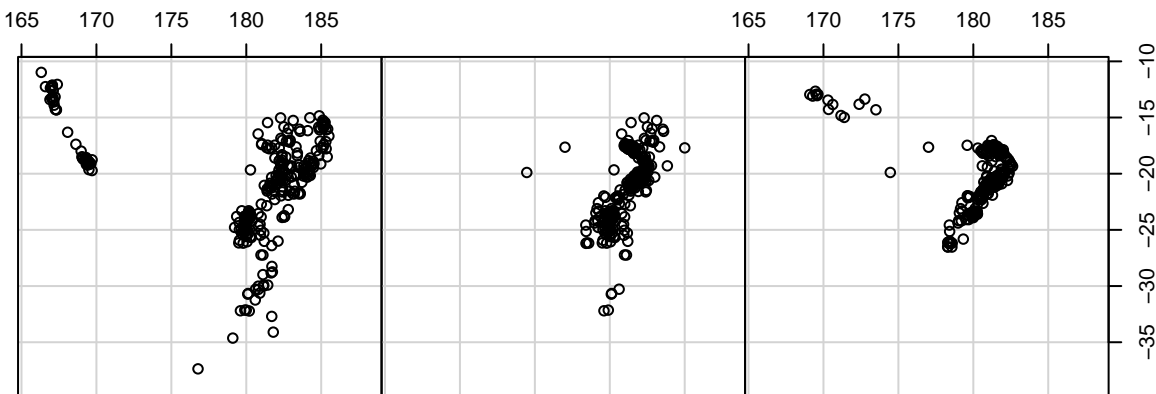
help("contour")



Given : depth

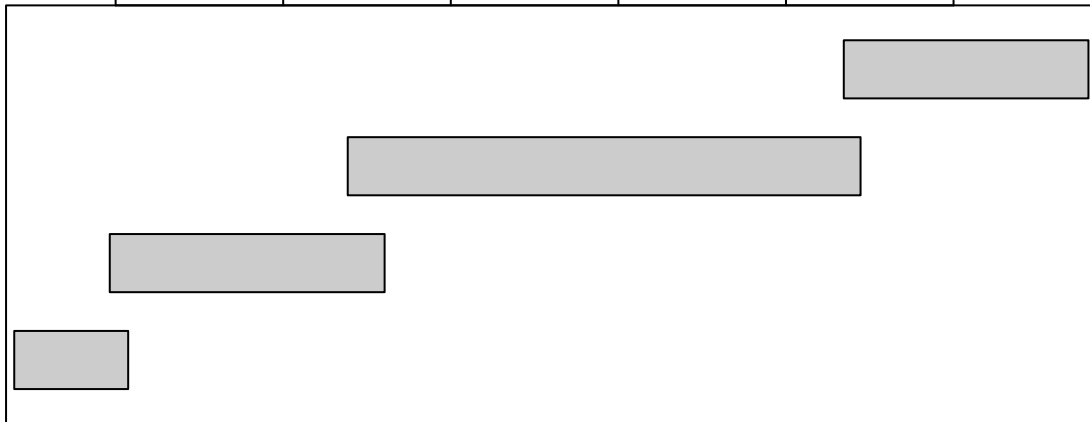


[help\("coplot"\)](#)

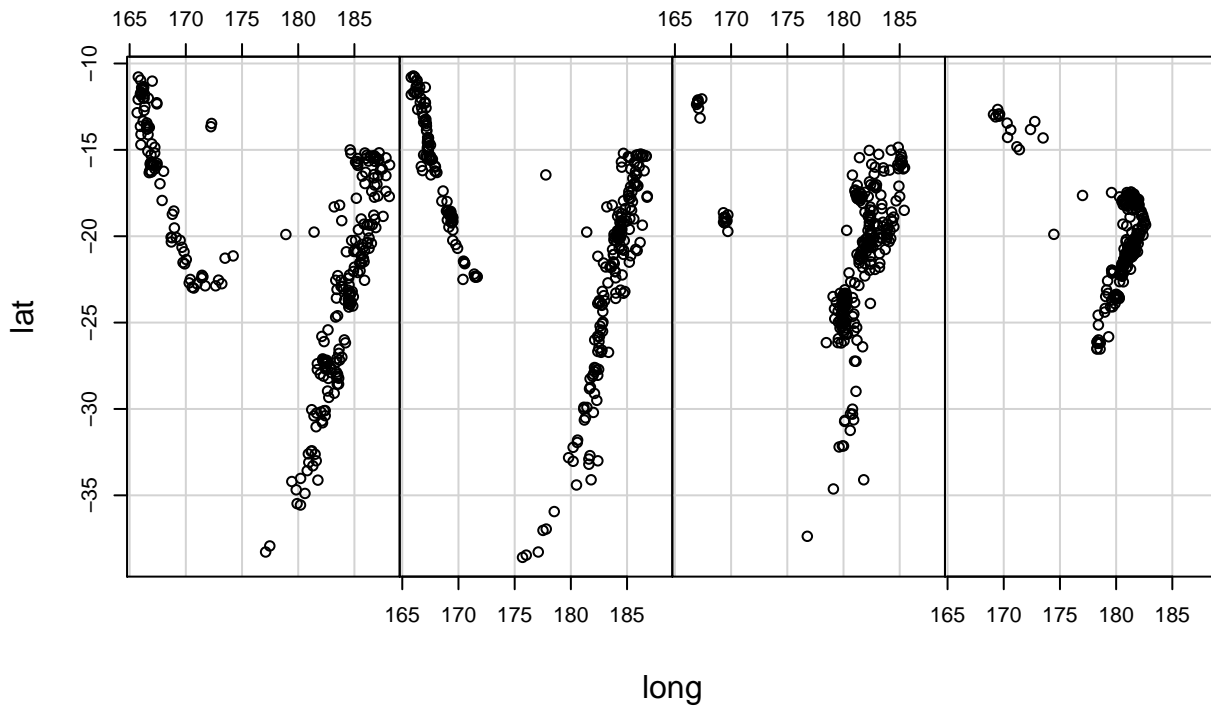


Given : depth

100 200 300 400 500 600



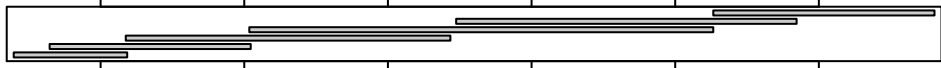
[help\("coplot"\)](#)





Given : depth

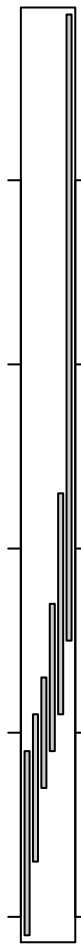
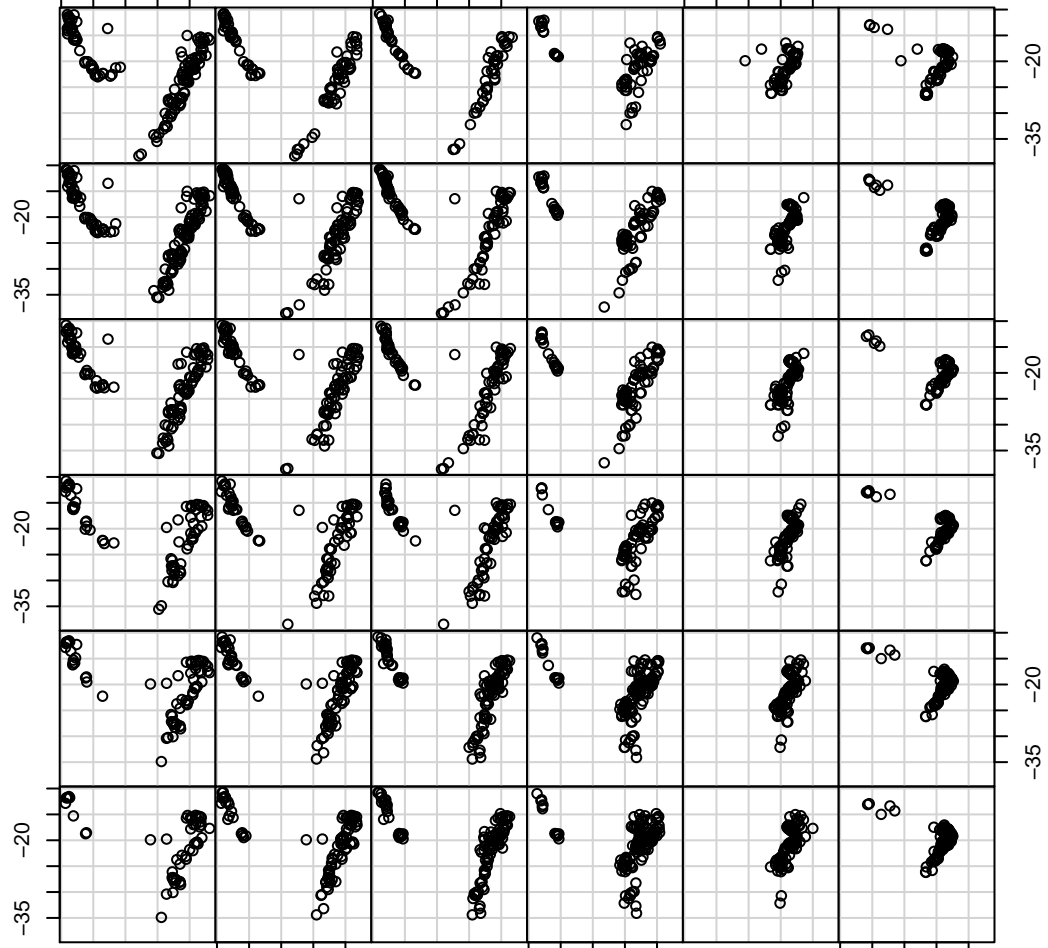
100 200 300 400 500 600



165 175 185

165 175 185

165 175 185



Given : mag

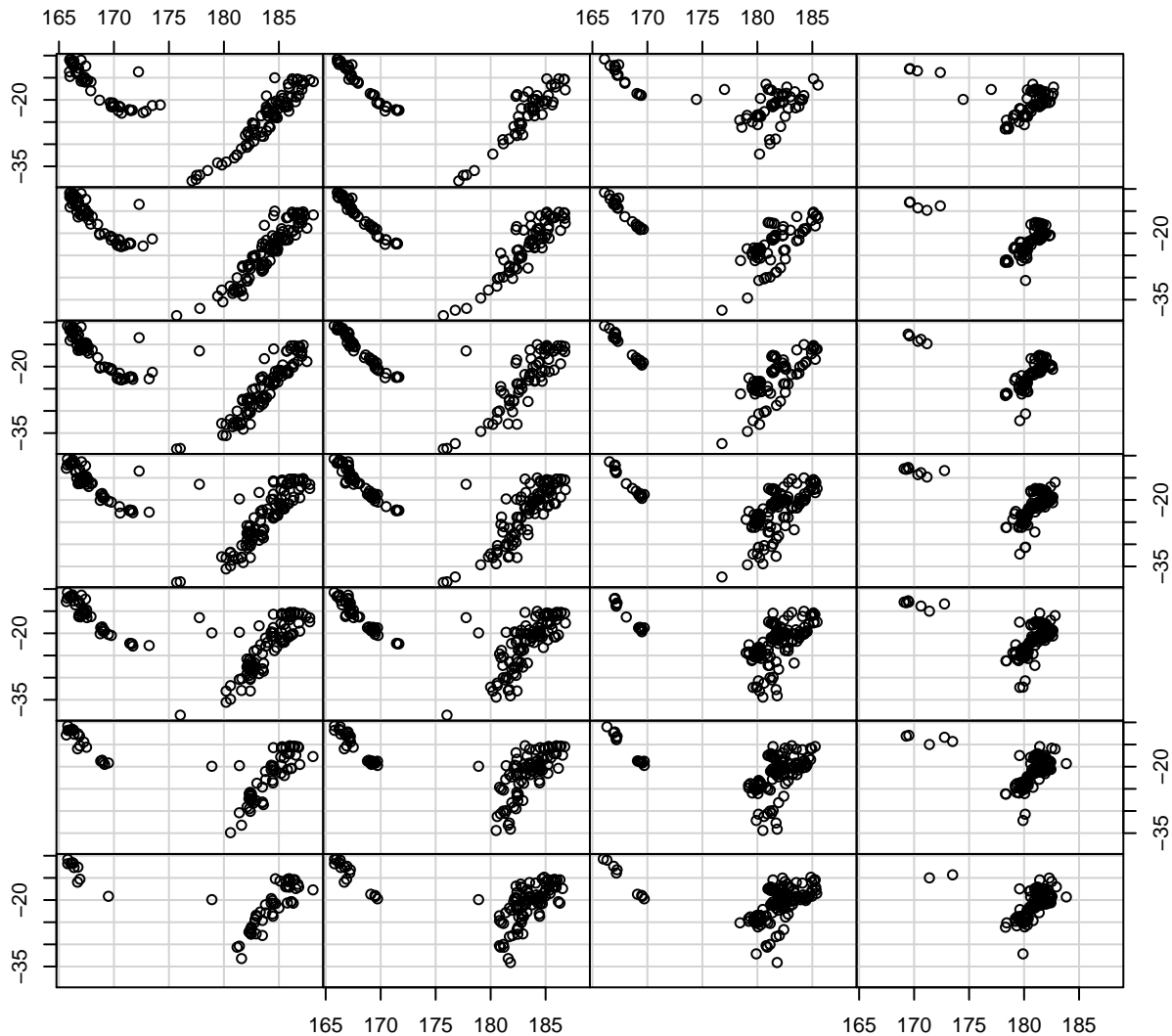
[help\("coplot"\)](#)

Given : depth

100 200 300 400 500 600

help("coplot")

lat



Given : mag

long

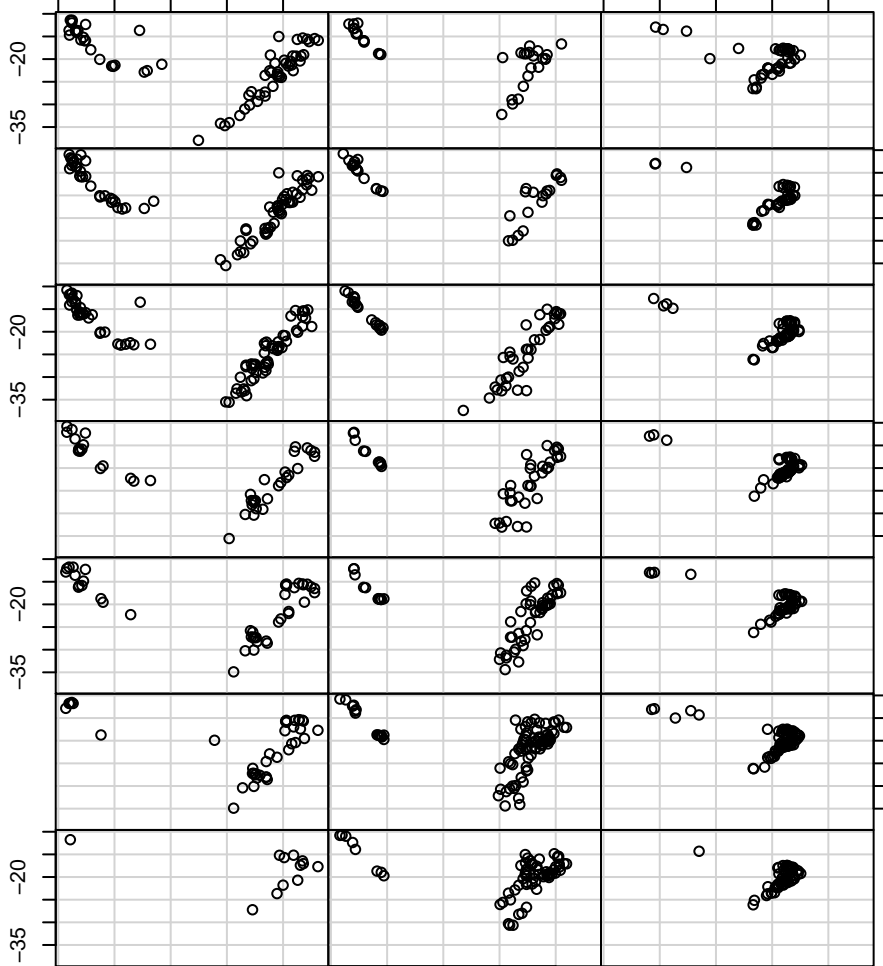
Given : depth

100 200 300 400 500 600



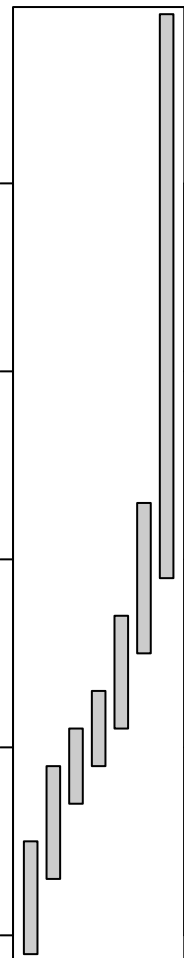
165 170 175 180 185

165 170 175 180 185



165 170 175 180 185

long

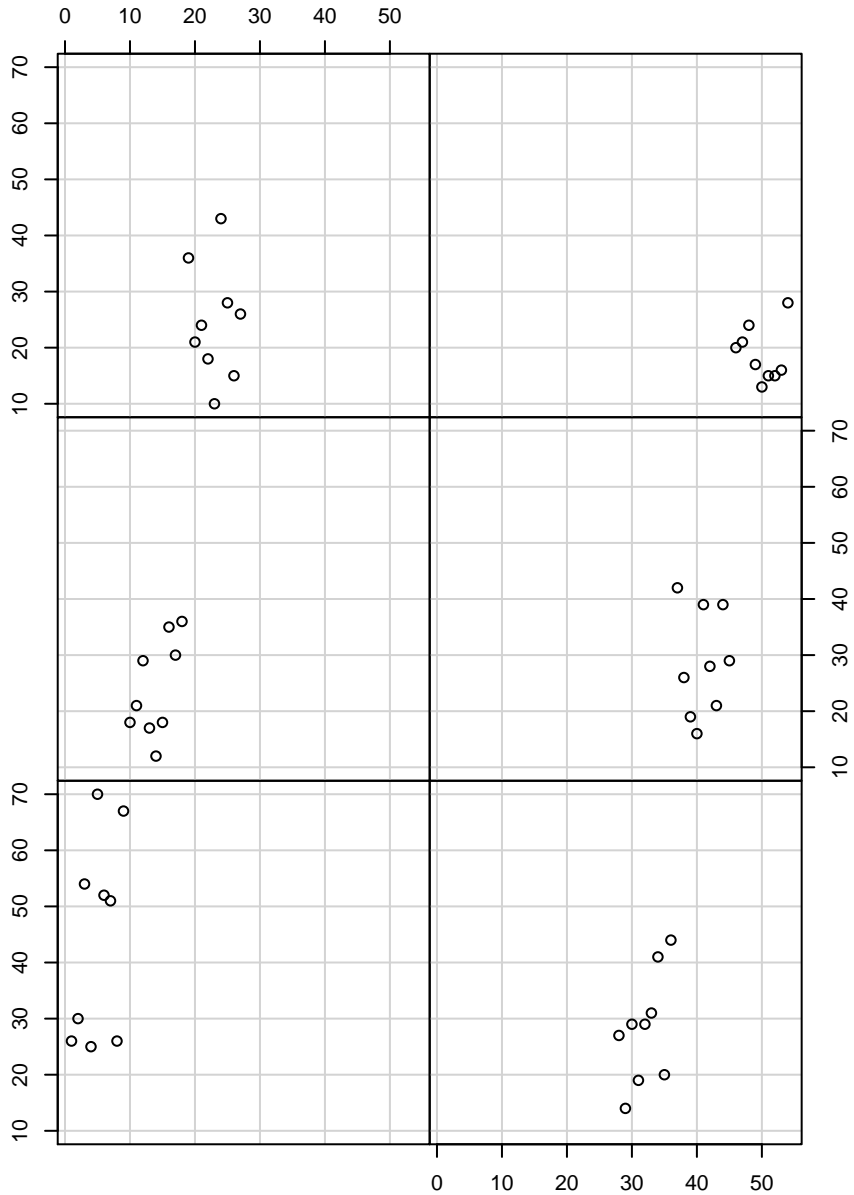


Given : mag

help("coplot")

Given : wool

breaks

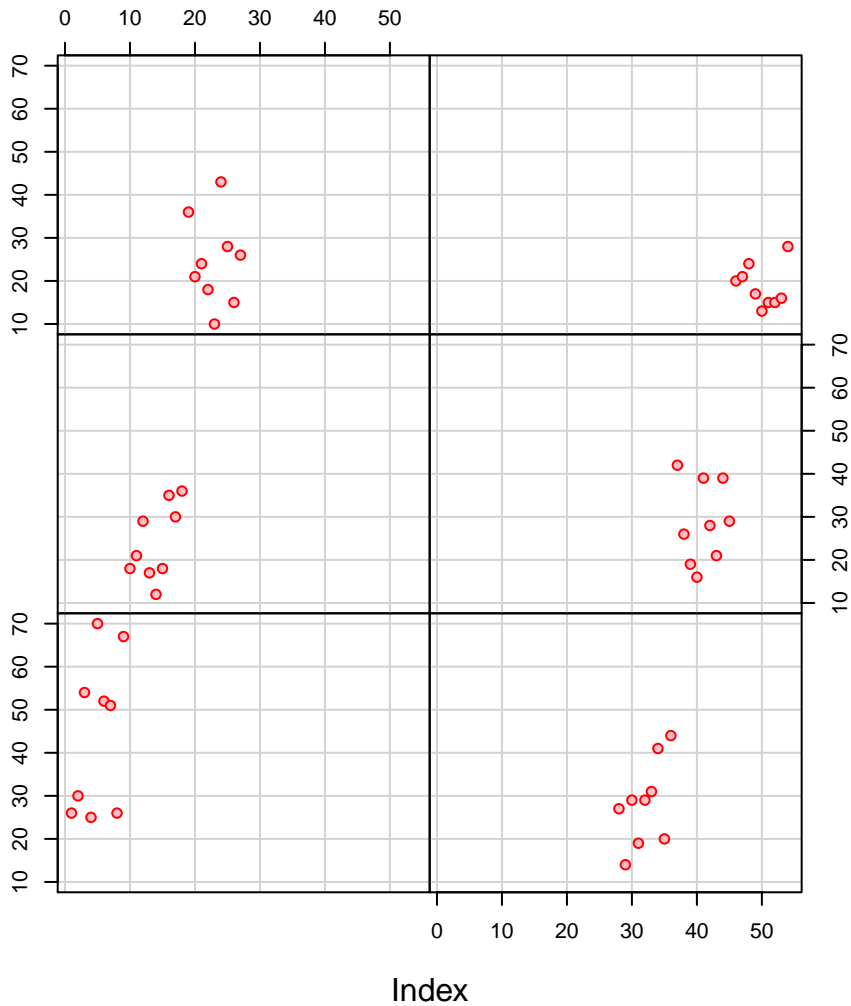
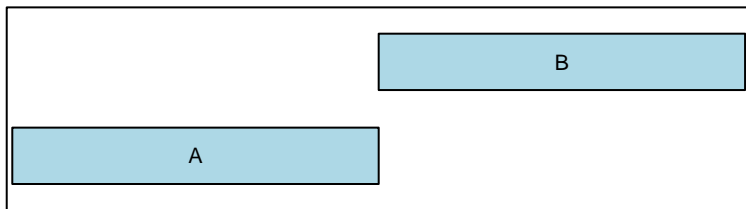


Index

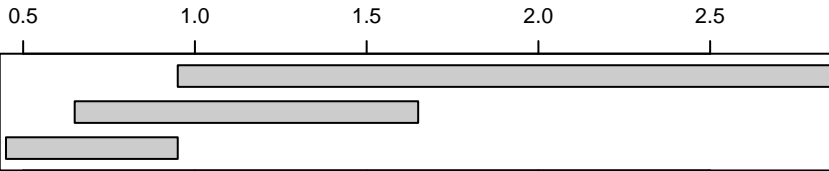
Given : tension

[help\("coplot"\)](#)

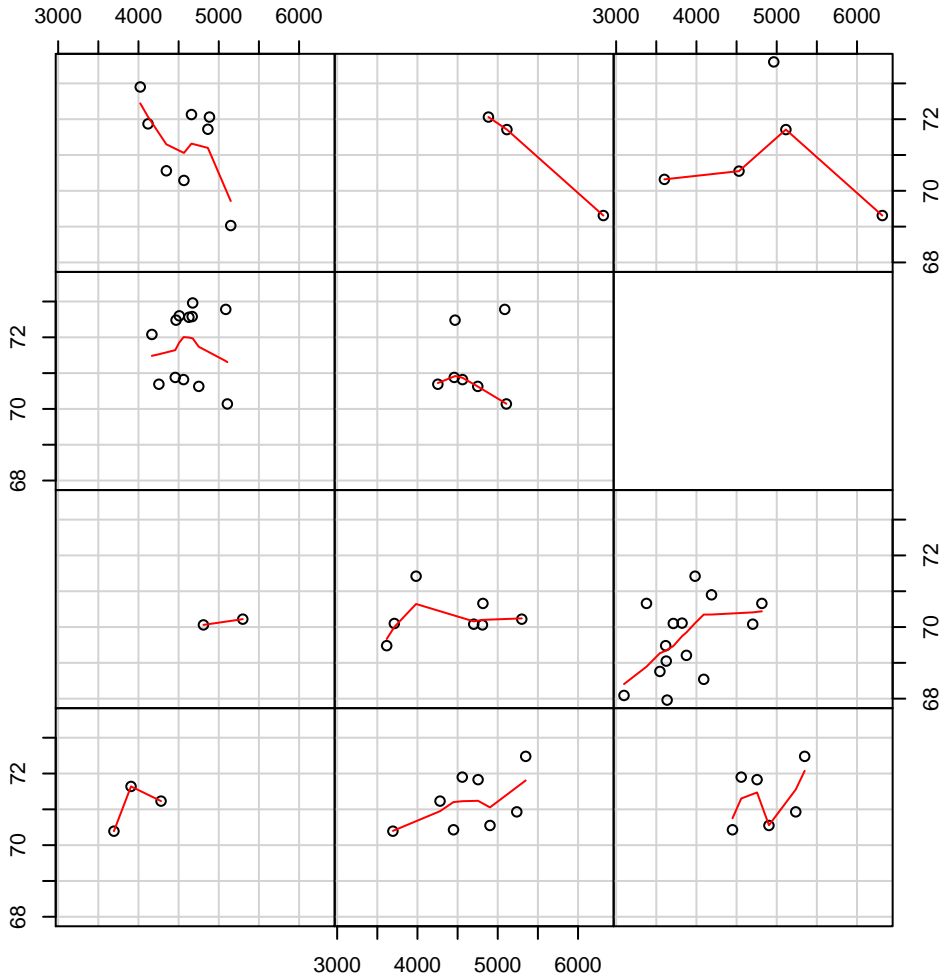
Given : wool



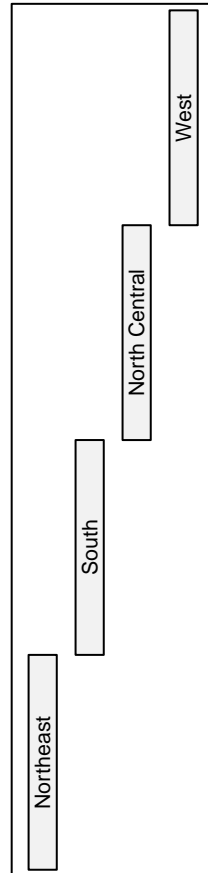
Given : Illiteracy



Life.Exp

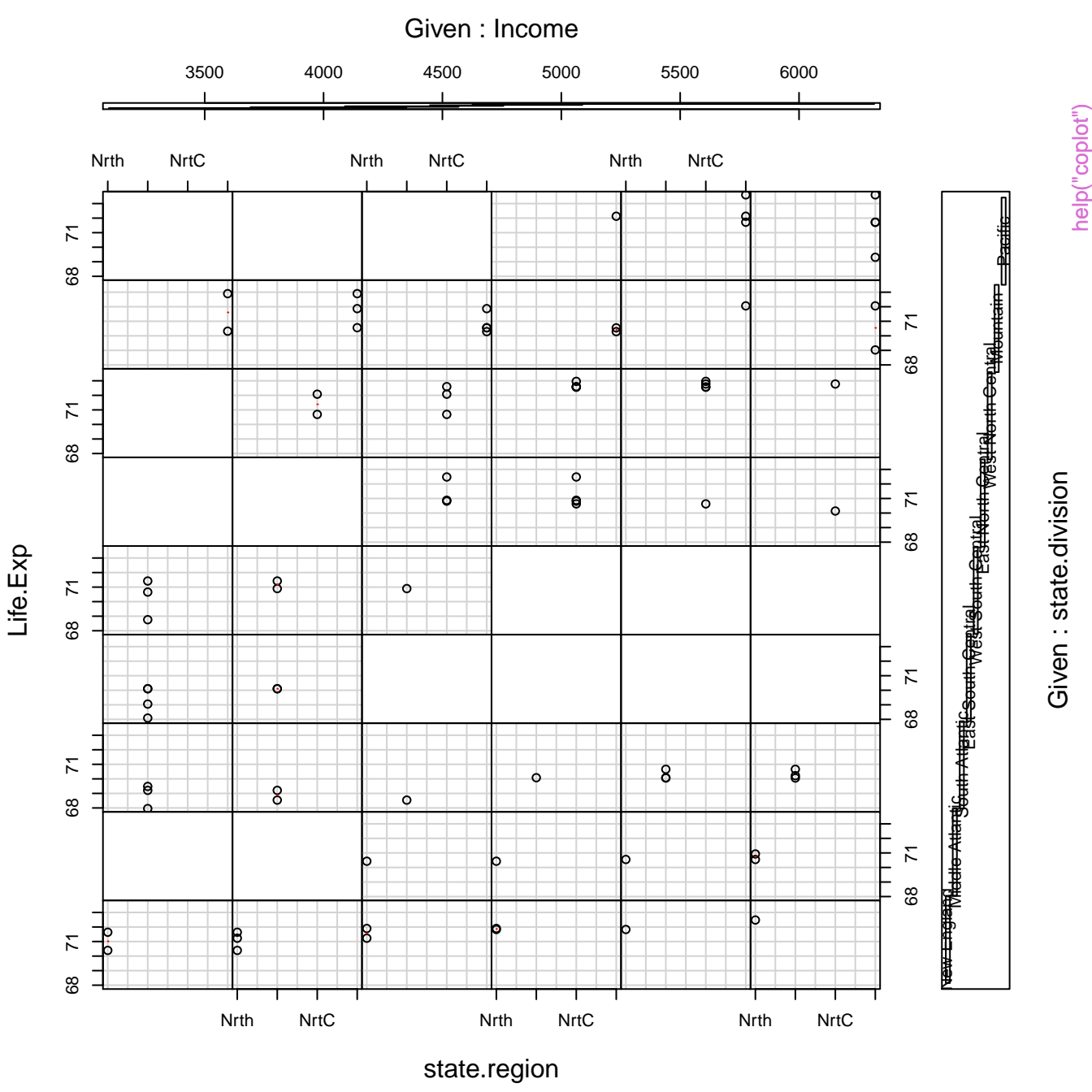


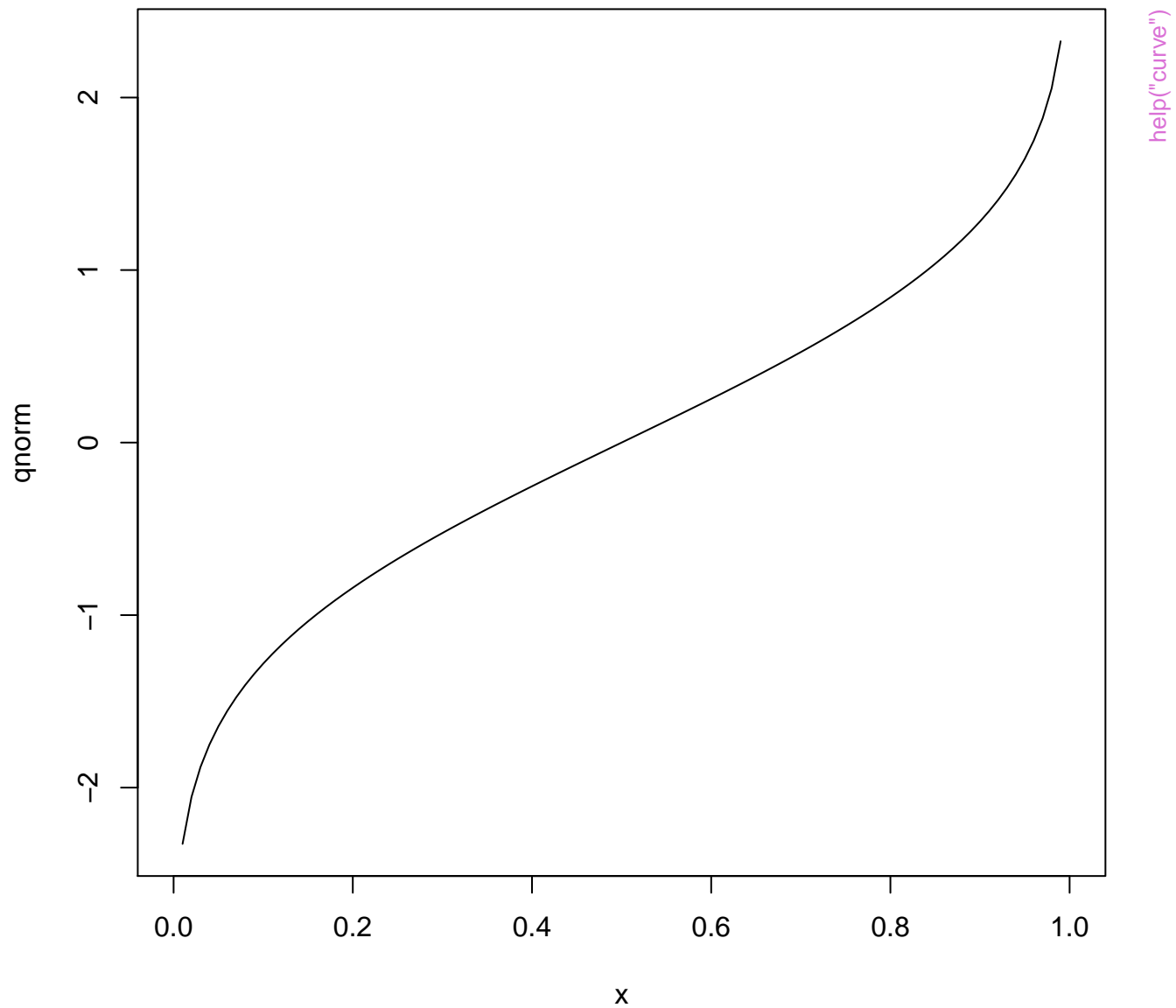
Income



Given : state.region

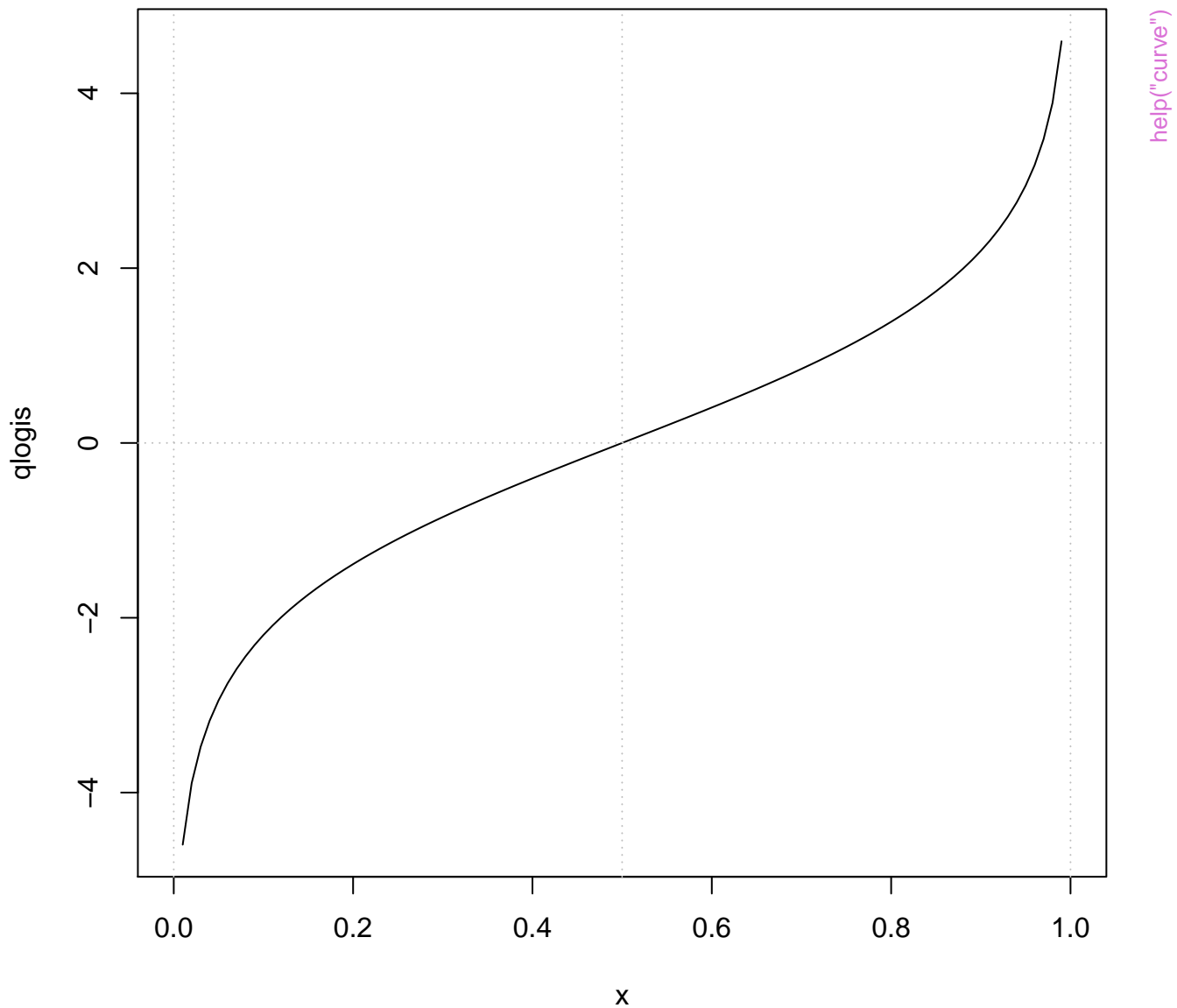
help("coplot")

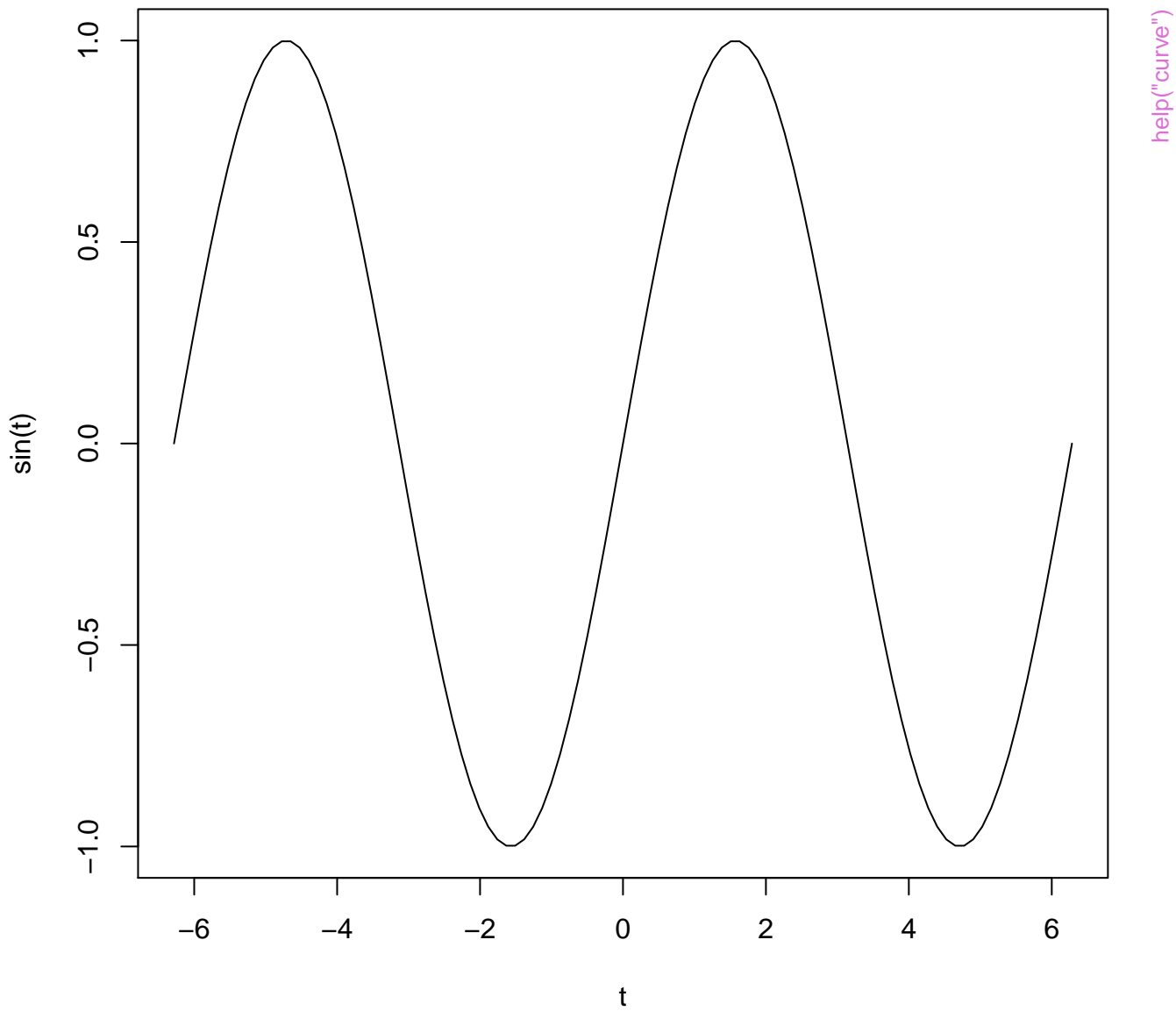




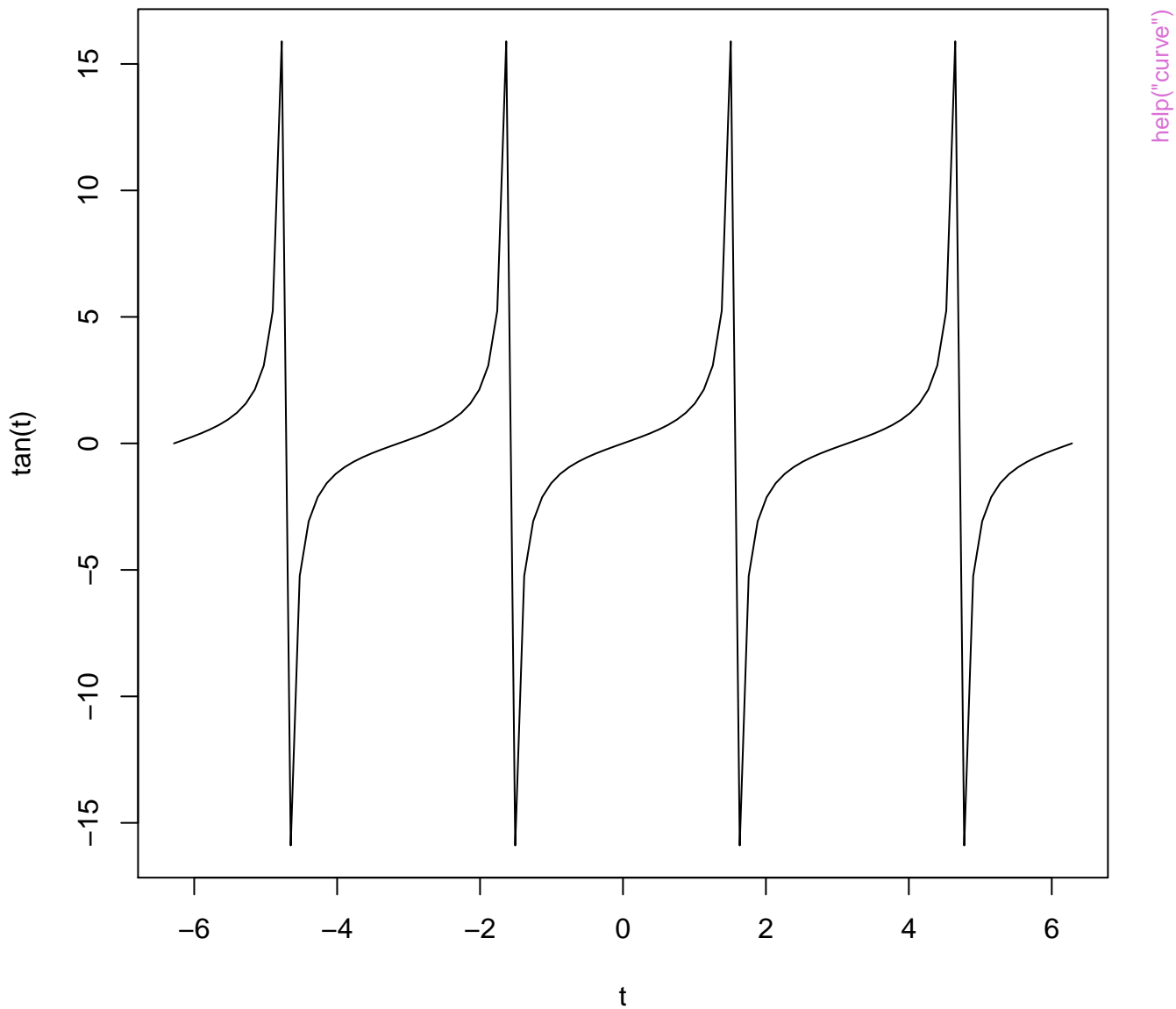


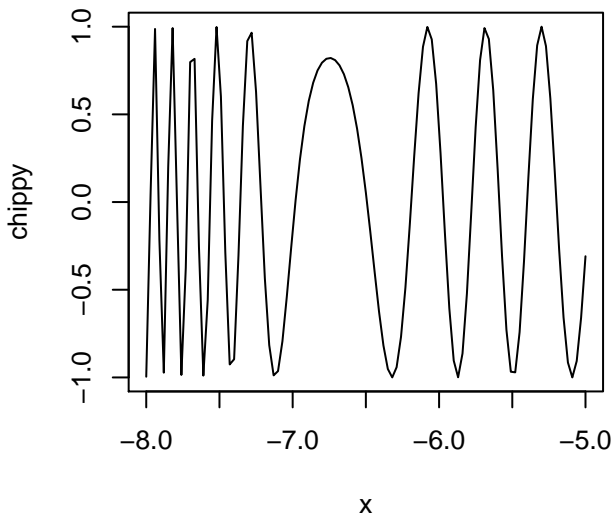
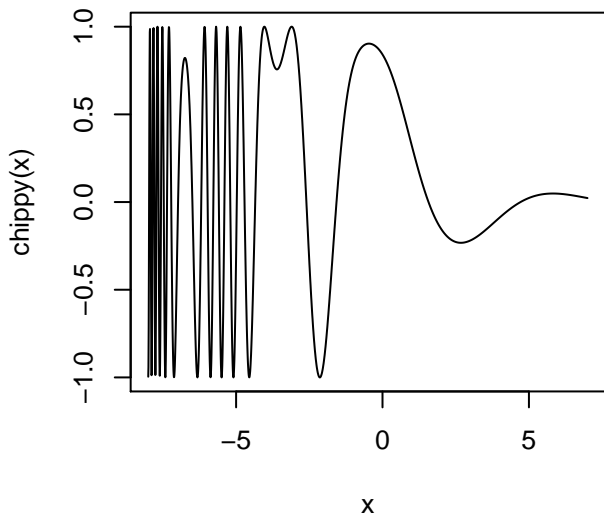
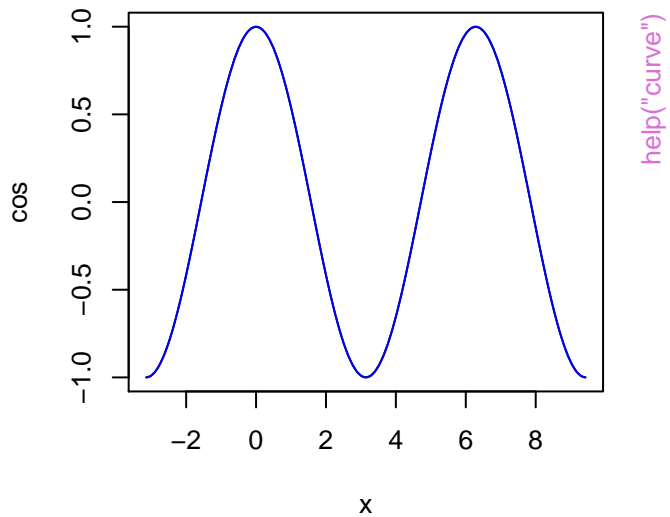
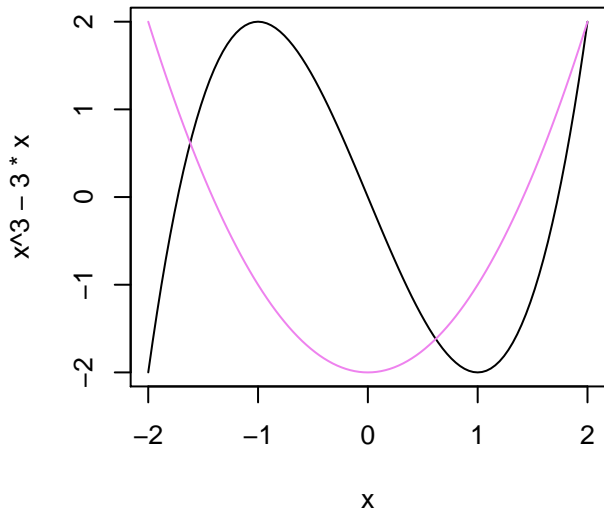
## The Inverse Logit : `qlogis()`

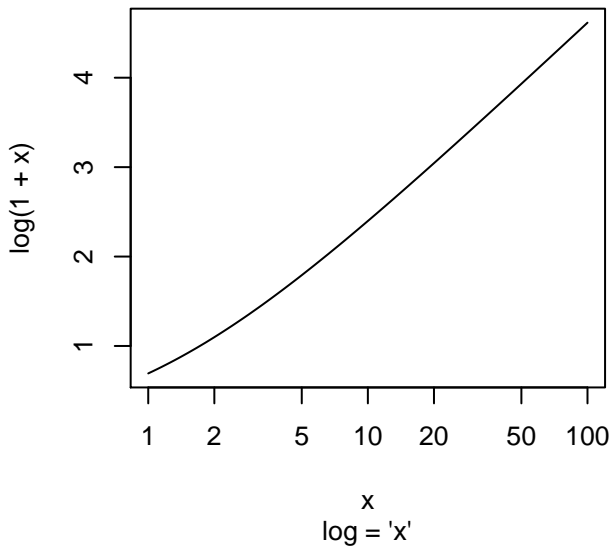
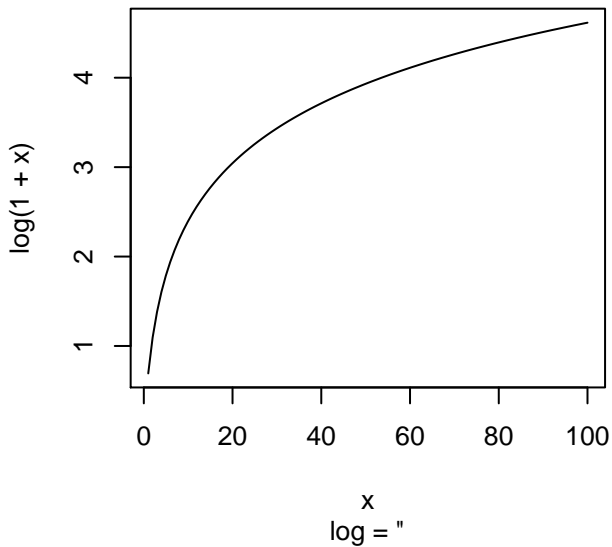




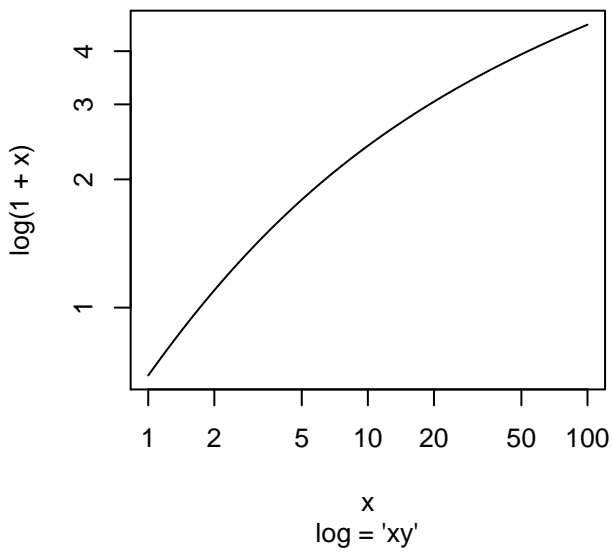
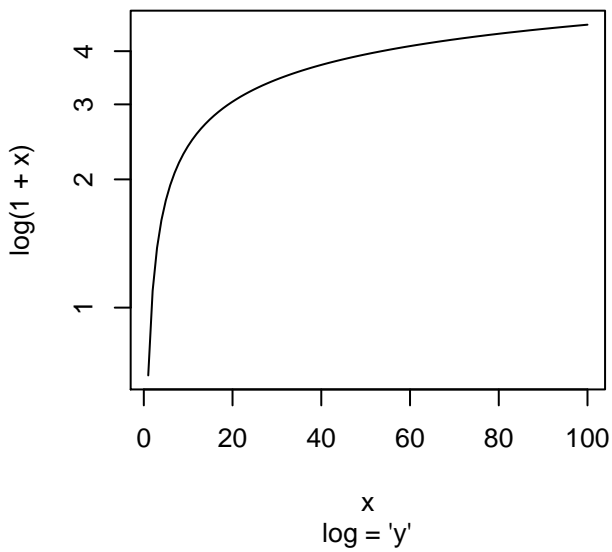
**curve(tan) --> same x-scale as previous plot**







help("curve")



# Death Rates in Virginia – 1940

## Rural Male

70–74

65–69

60–64

55–59

50–54

## Rural Female

70–74

65–69

60–64

55–59

50–54

## Urban Male

70–74

65–69

60–64

55–59

50–54

## Urban Female

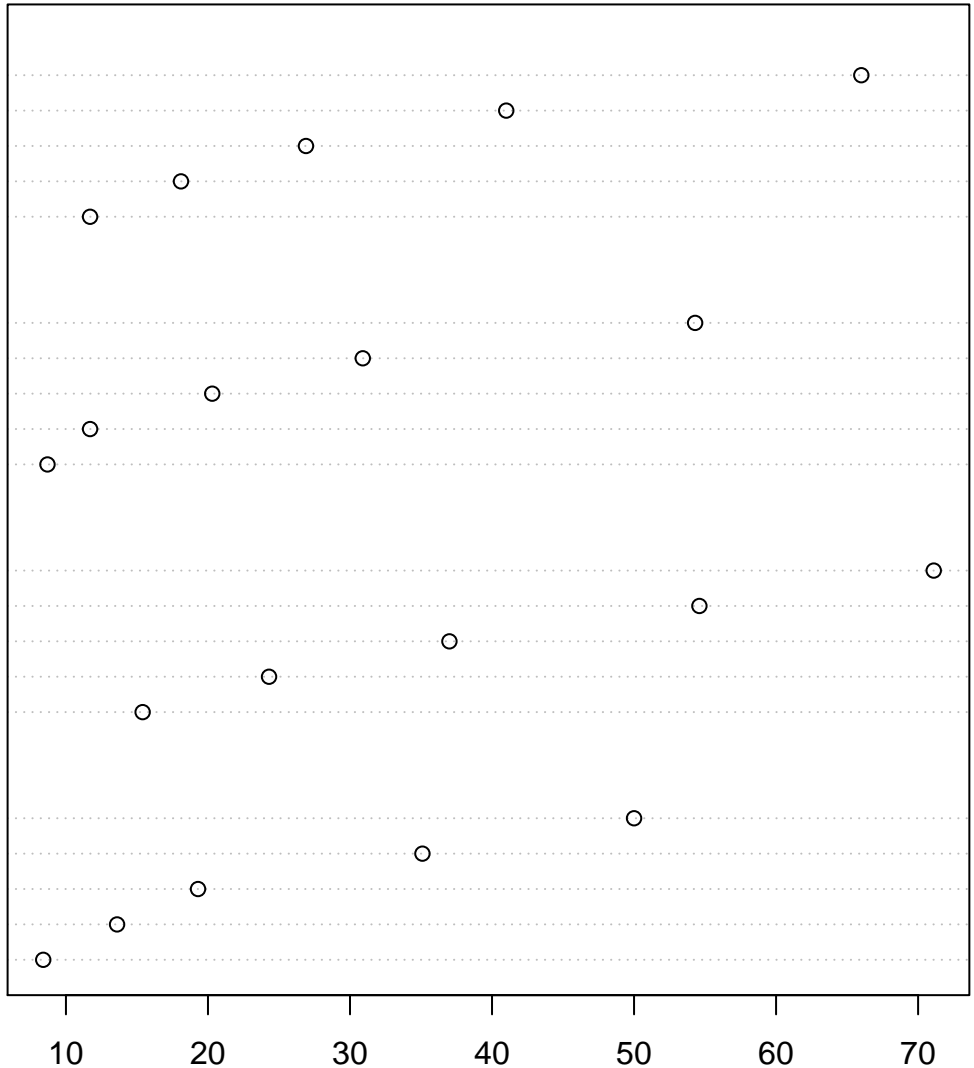
70–74

65–69

60–64

55–59

50–54



# Death Rates in Virginia – 1940

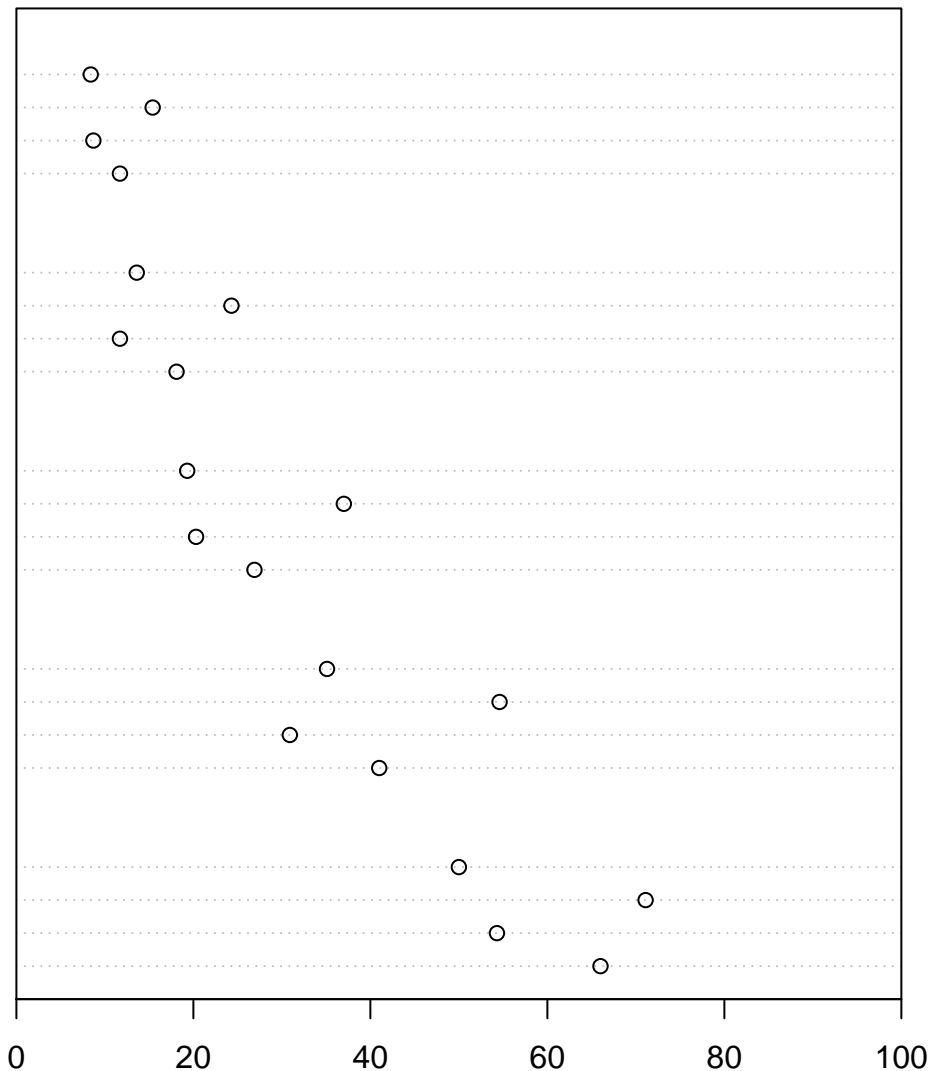
50–54  
Urban Female  
Urban Male  
Rural Female  
Rural Male

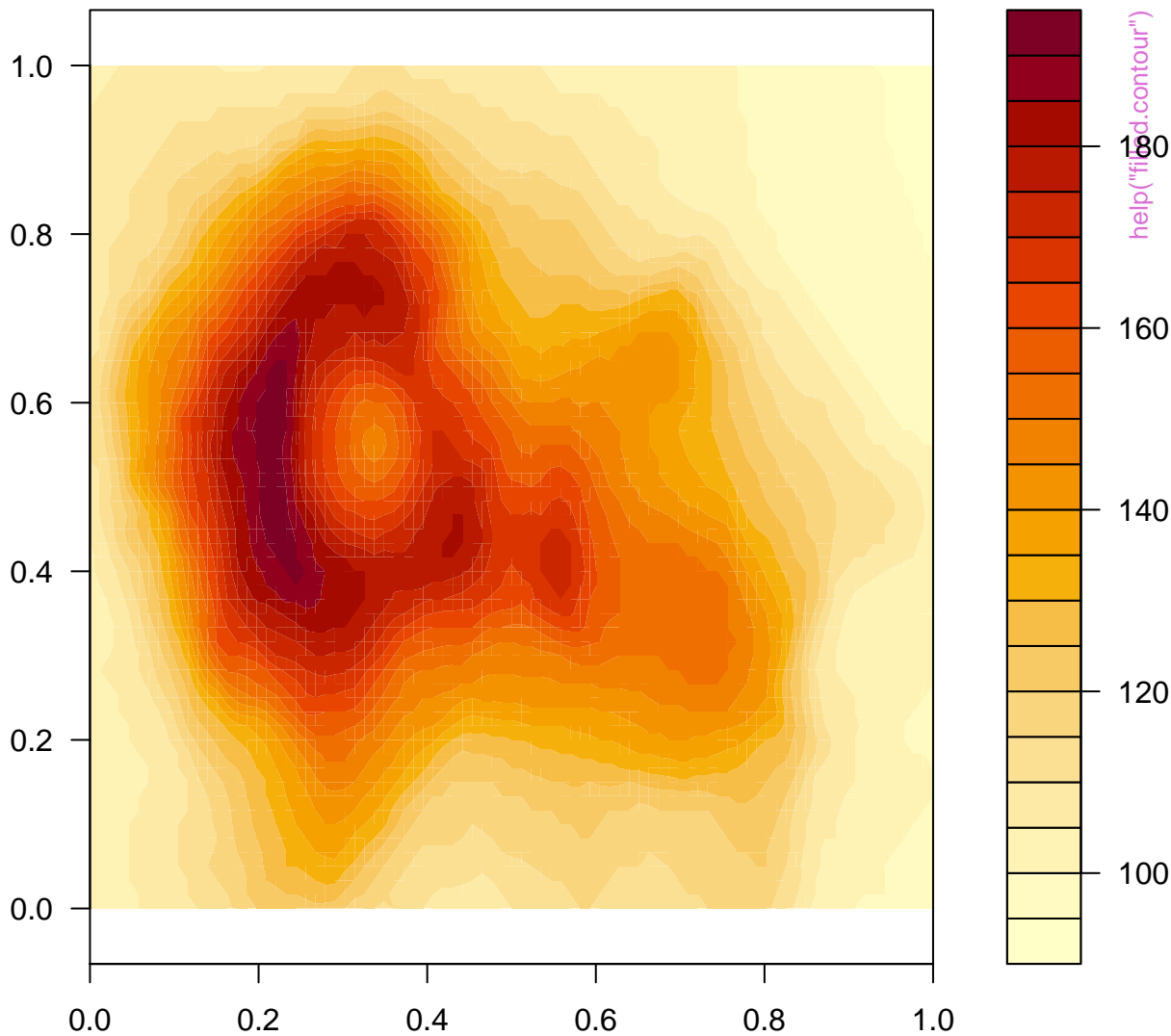
55–59  
Urban Female  
Urban Male  
Rural Female  
Rural Male

60–64  
Urban Female  
Urban Male  
Rural Female  
Rural Male

65–69  
Urban Female  
Urban Male  
Rural Female  
Rural Male

70–74  
Urban Female  
Urban Male  
Rural Female  
Rural Male

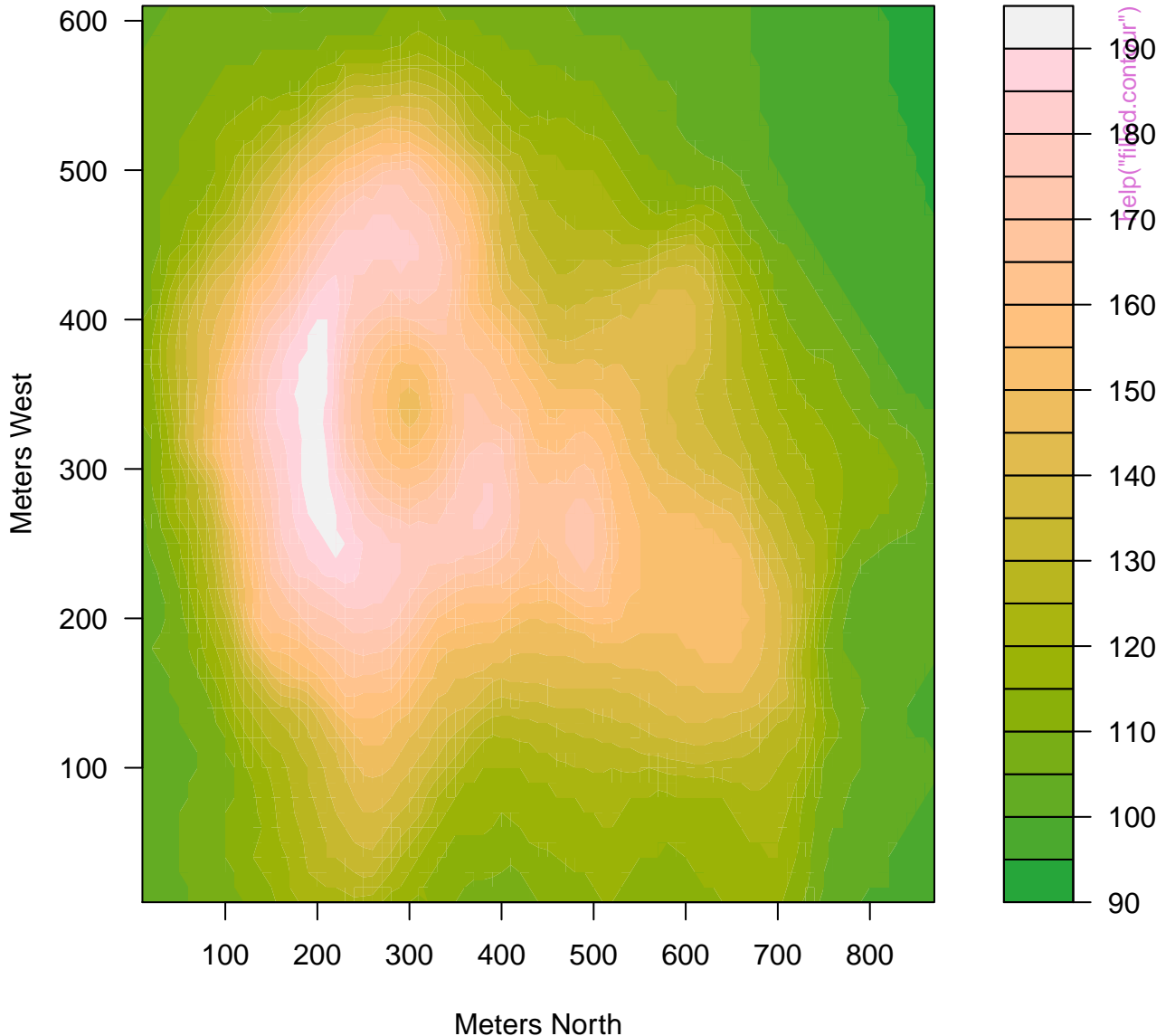


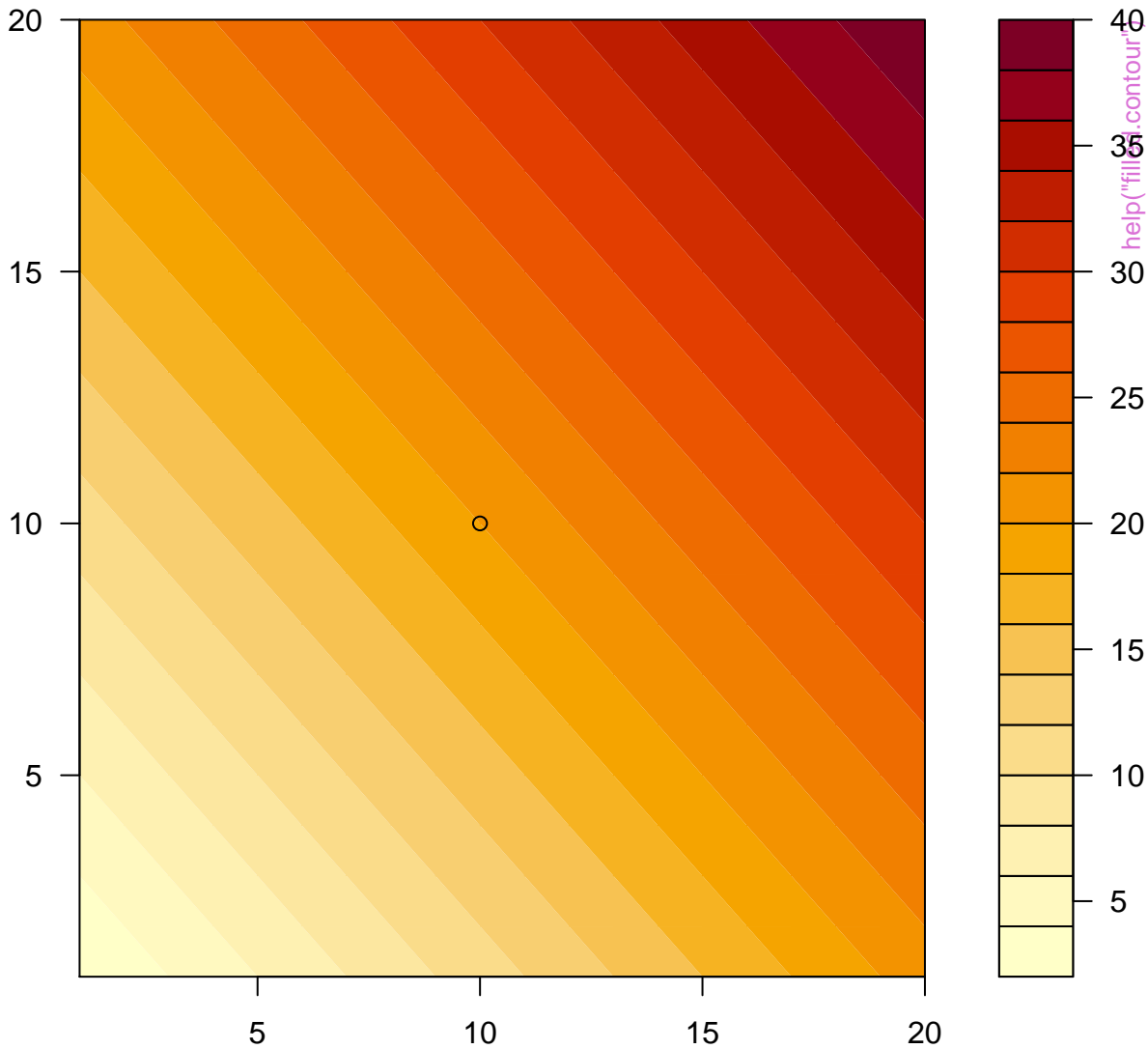


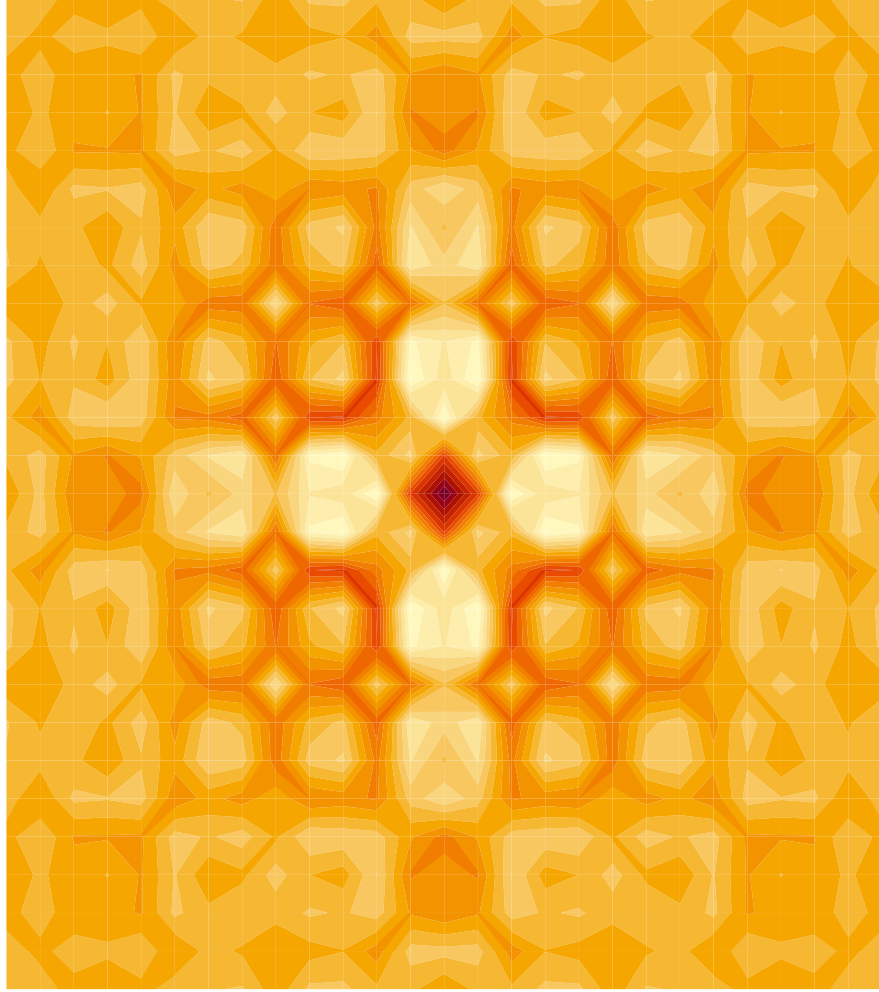


# The Topography of Maunga Whau

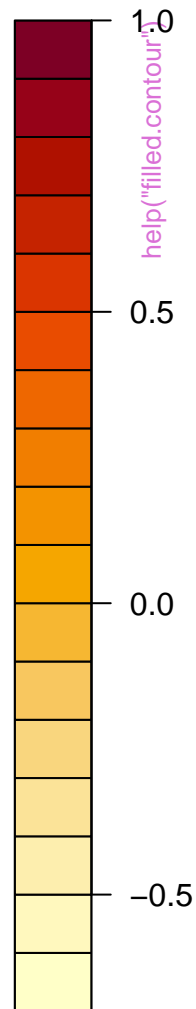
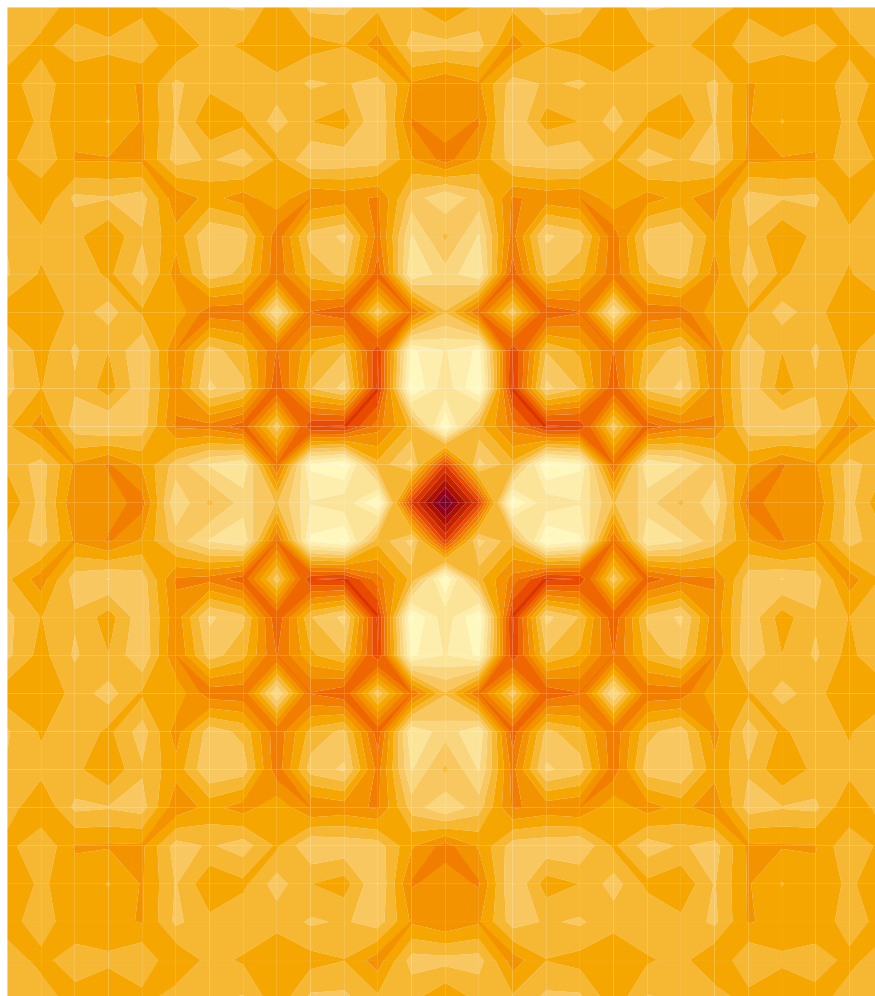
Height  
(meters)







help("filled.contour")



Sex: Male

1198

1493

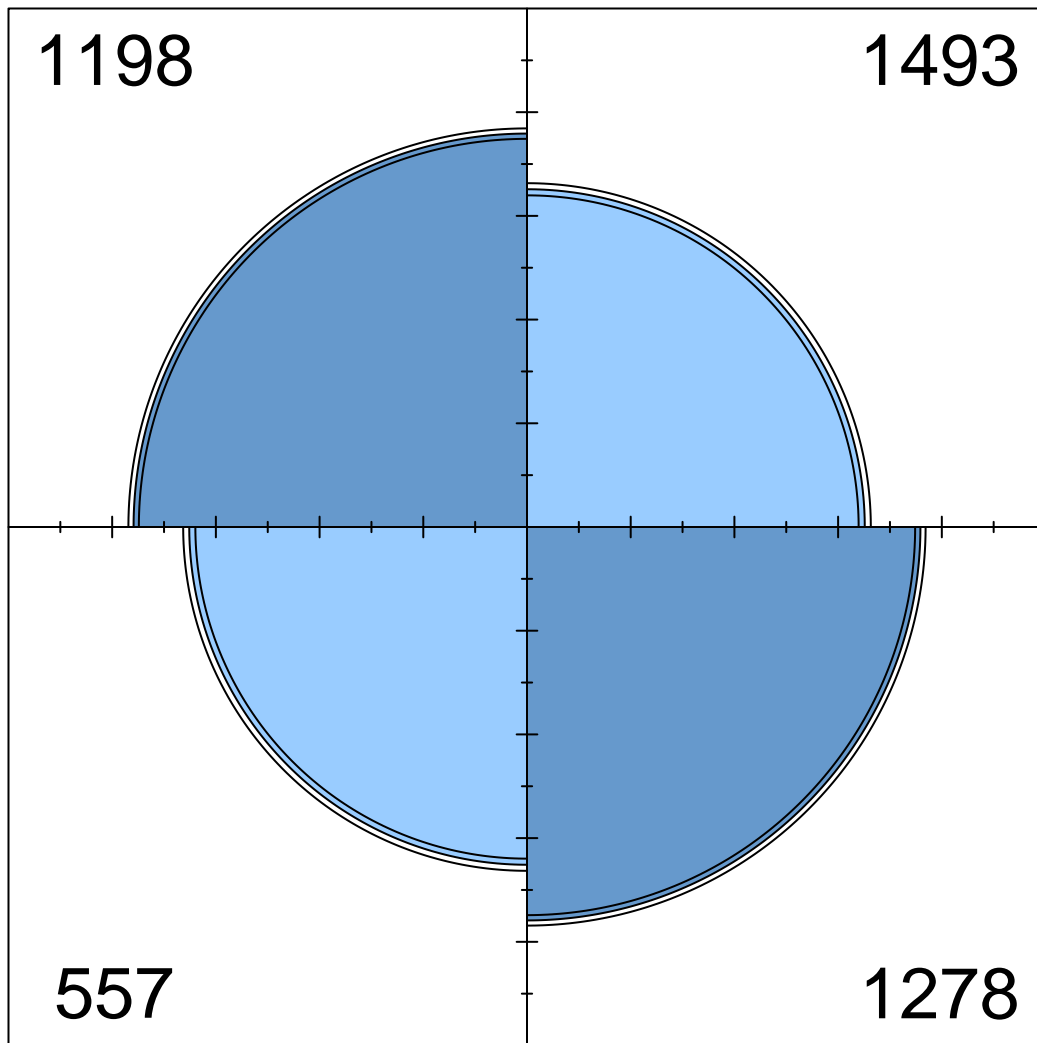
Admit?: Yes

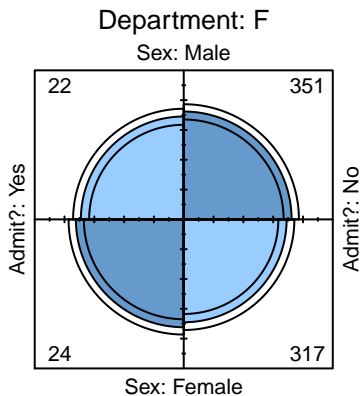
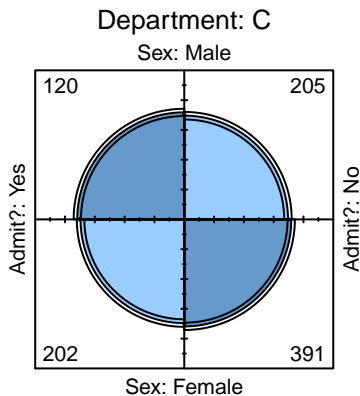
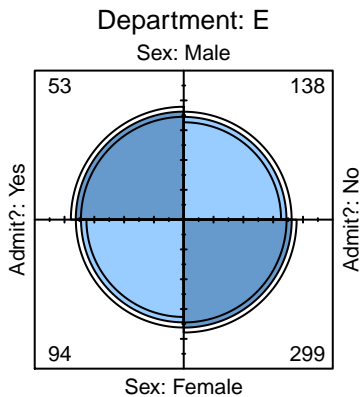
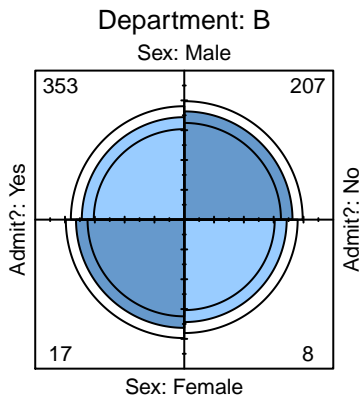
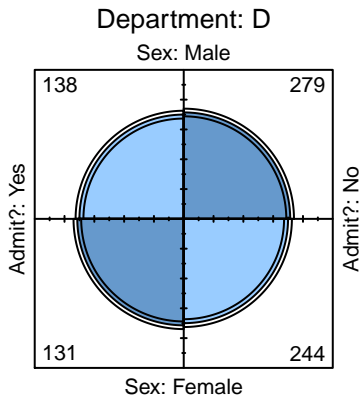
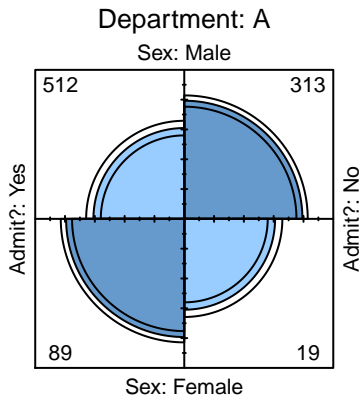
Admit?: No

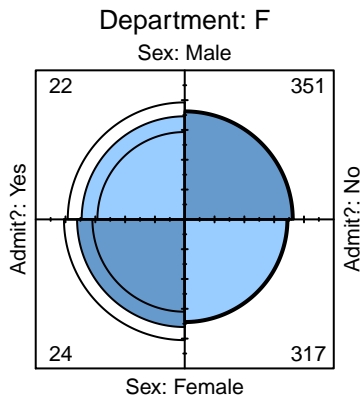
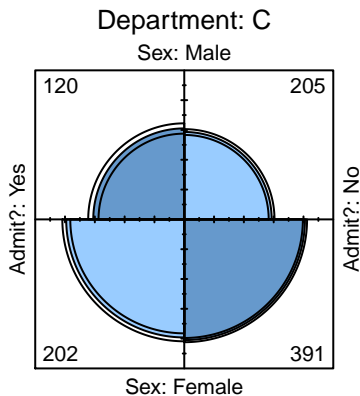
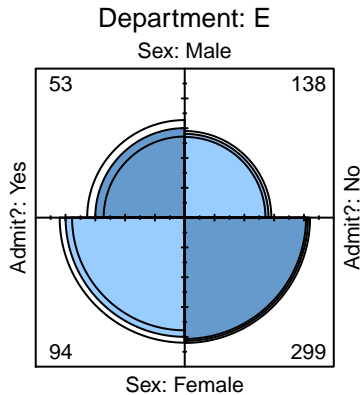
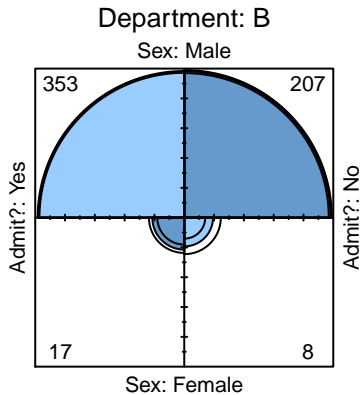
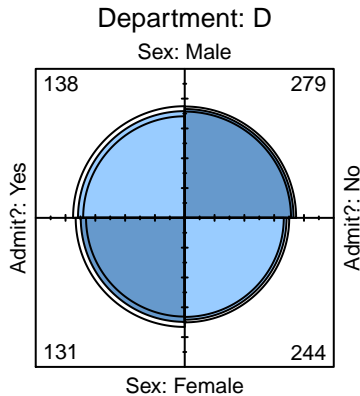
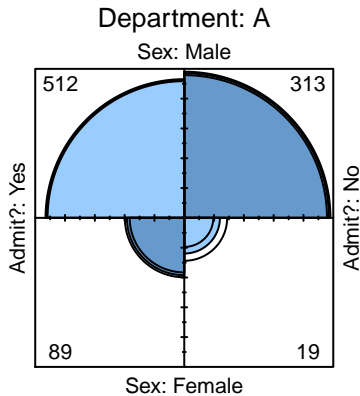
557

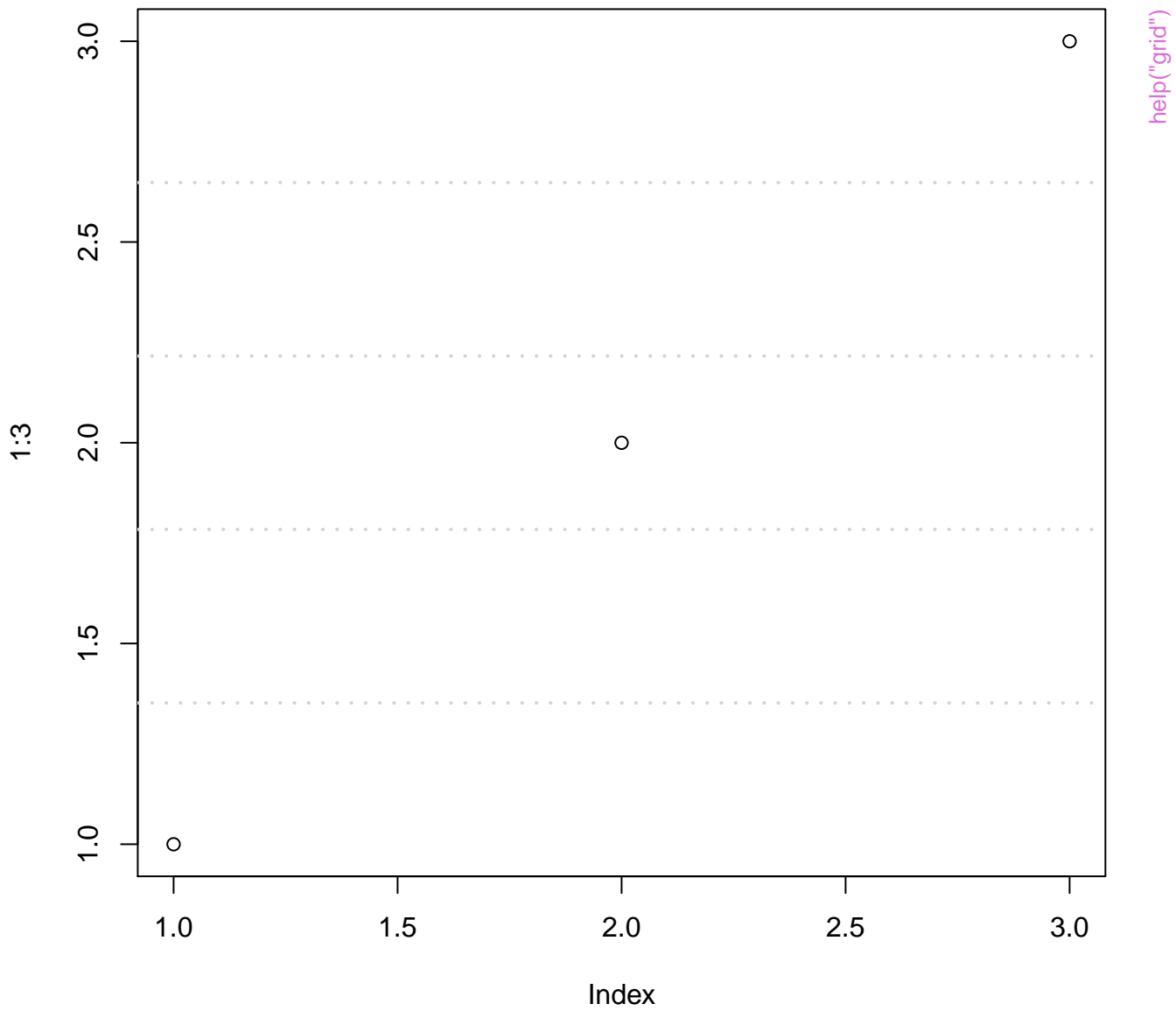
1278

Sex: Female











`with(iris, plot(...., panel.first = grid(), ... panel.first = grid(3, lty = 1, lwd = 2))`

