

example(Japanese)

Japan

English

日本

Kanji

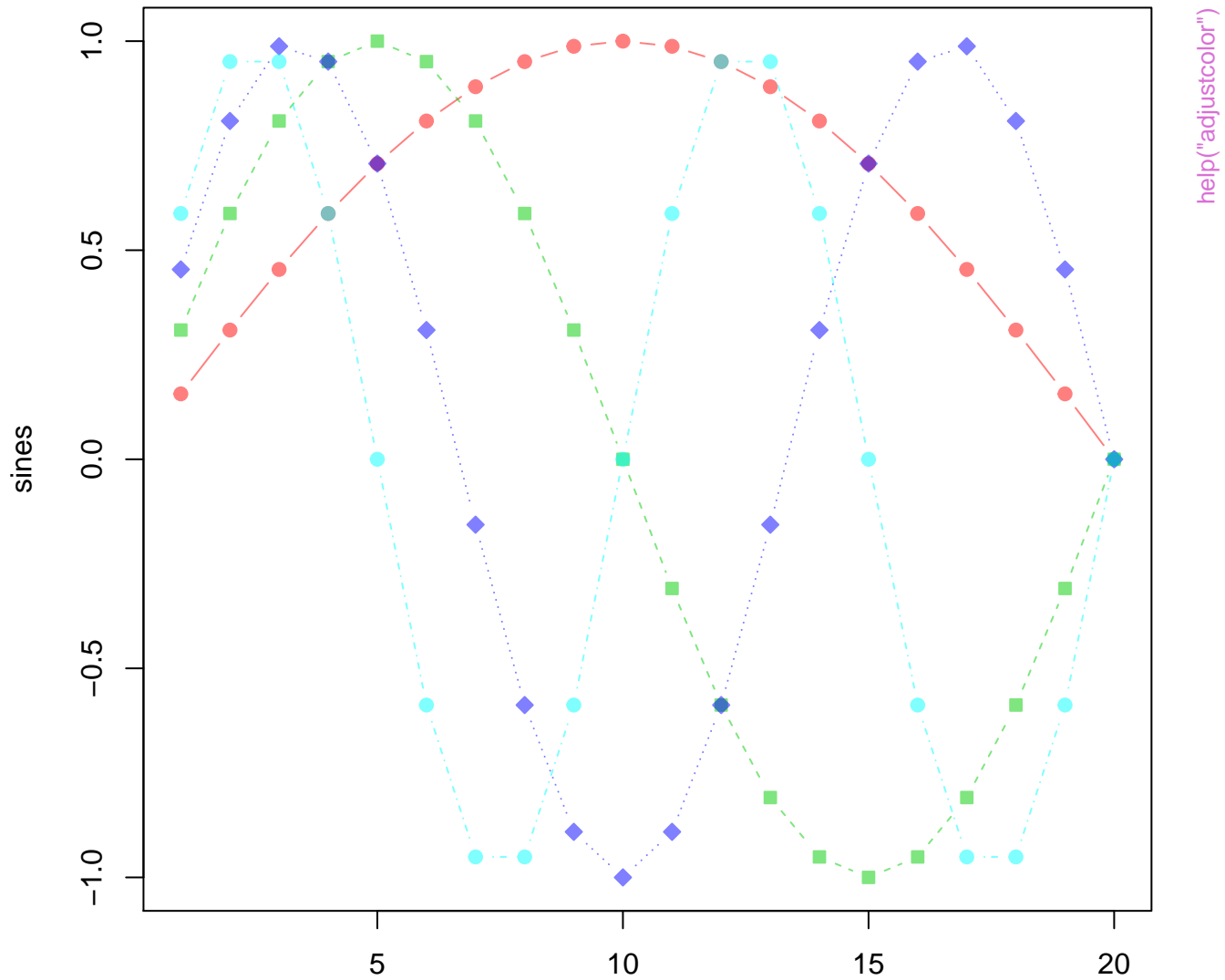
ジャパン

Katakana

じゃぱん

Hiragana

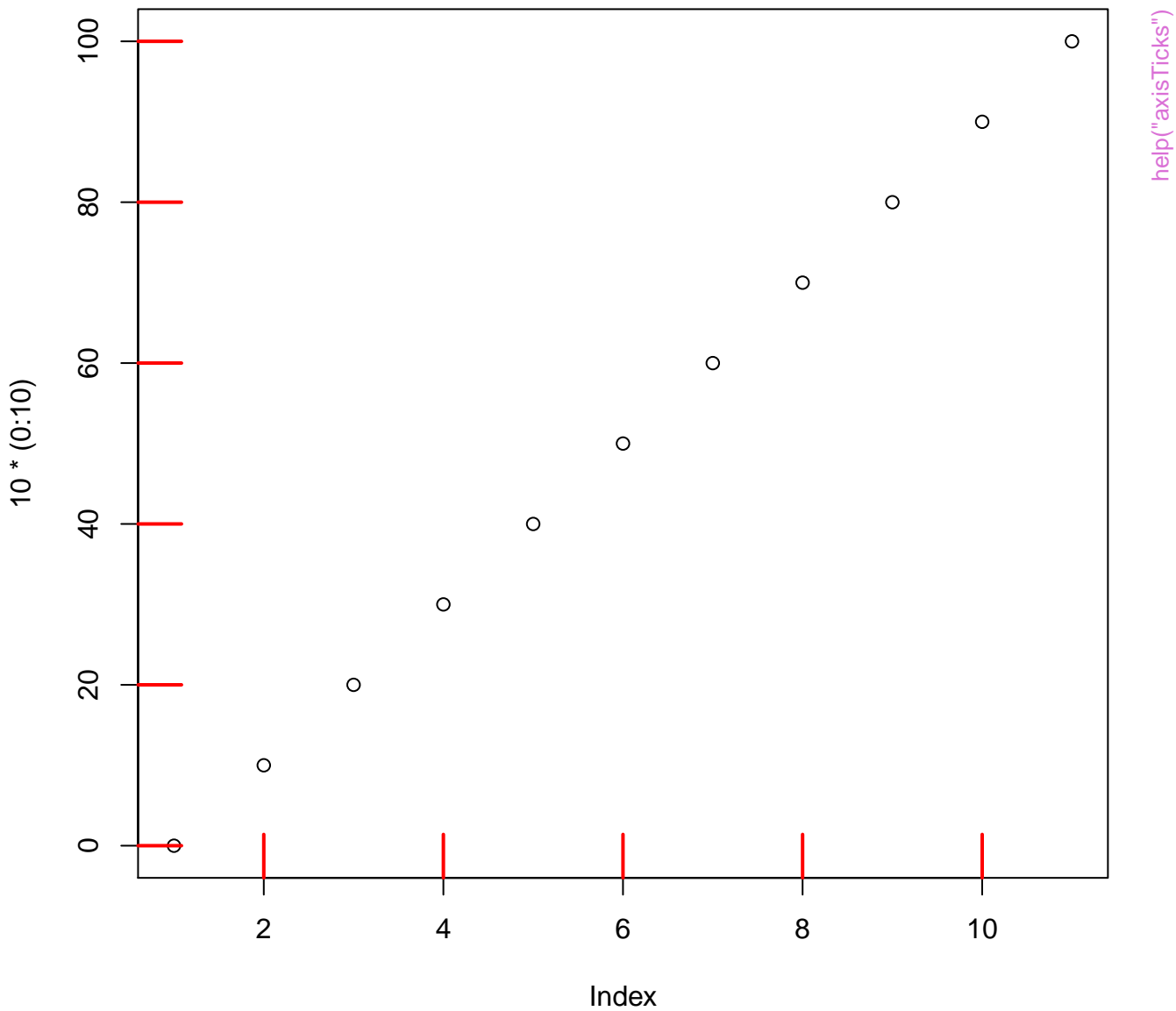
Using an 'opaque ('translucent') color palette

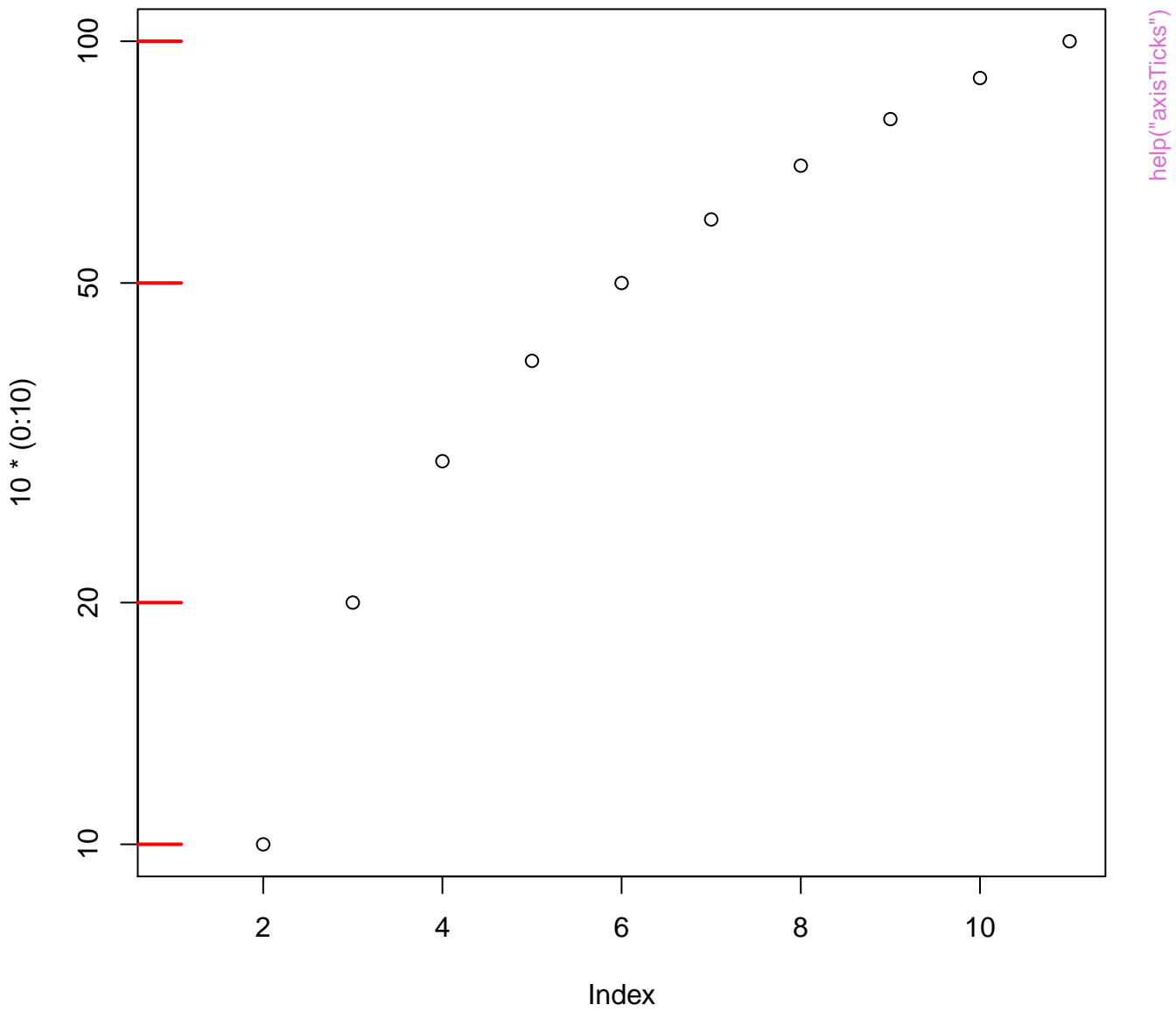


`adjustcolor()` → translucent

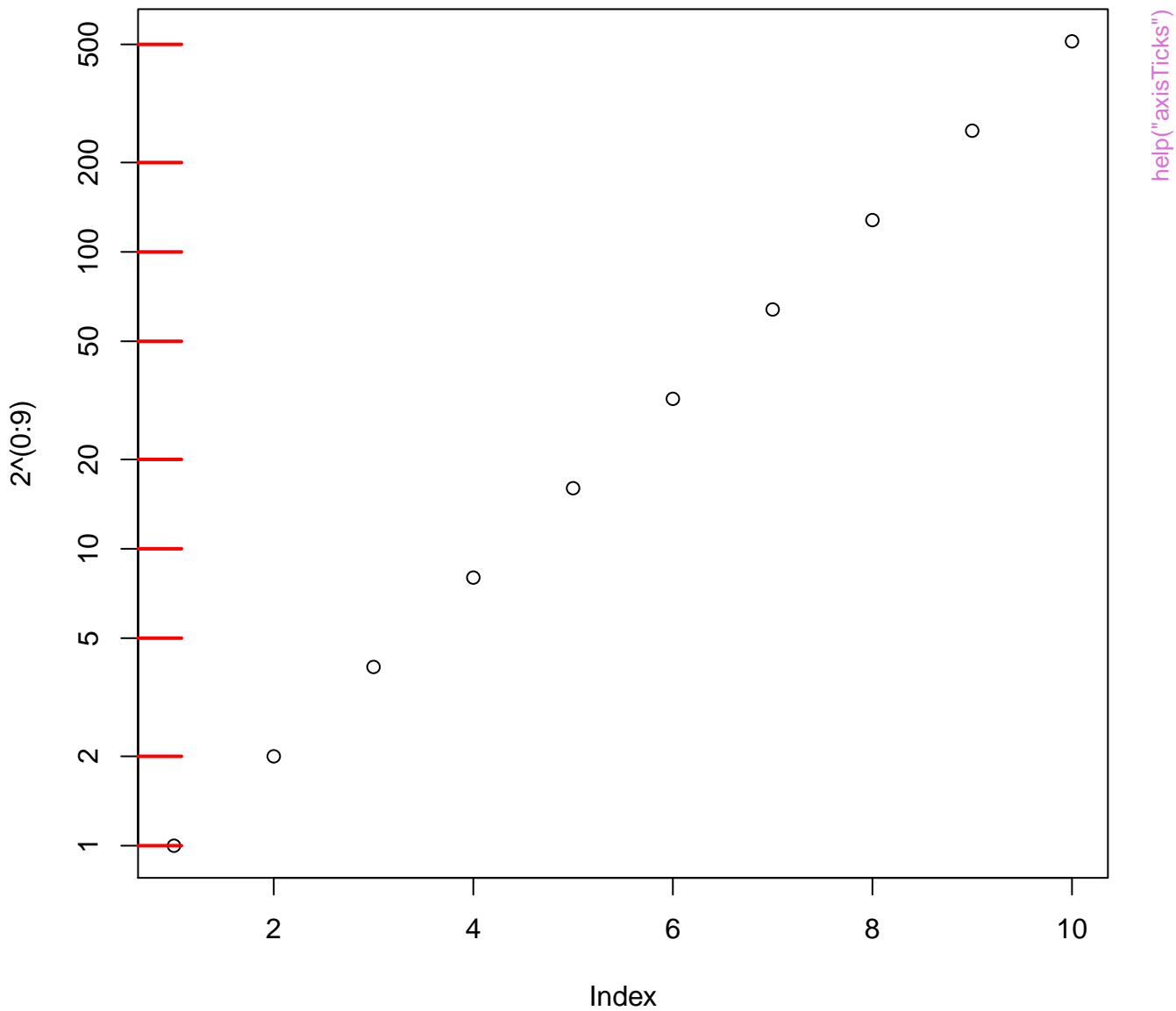
gray +
yellow +
magenta +
cyan ++
blue ++
green 3 ++
red ++
lack ++

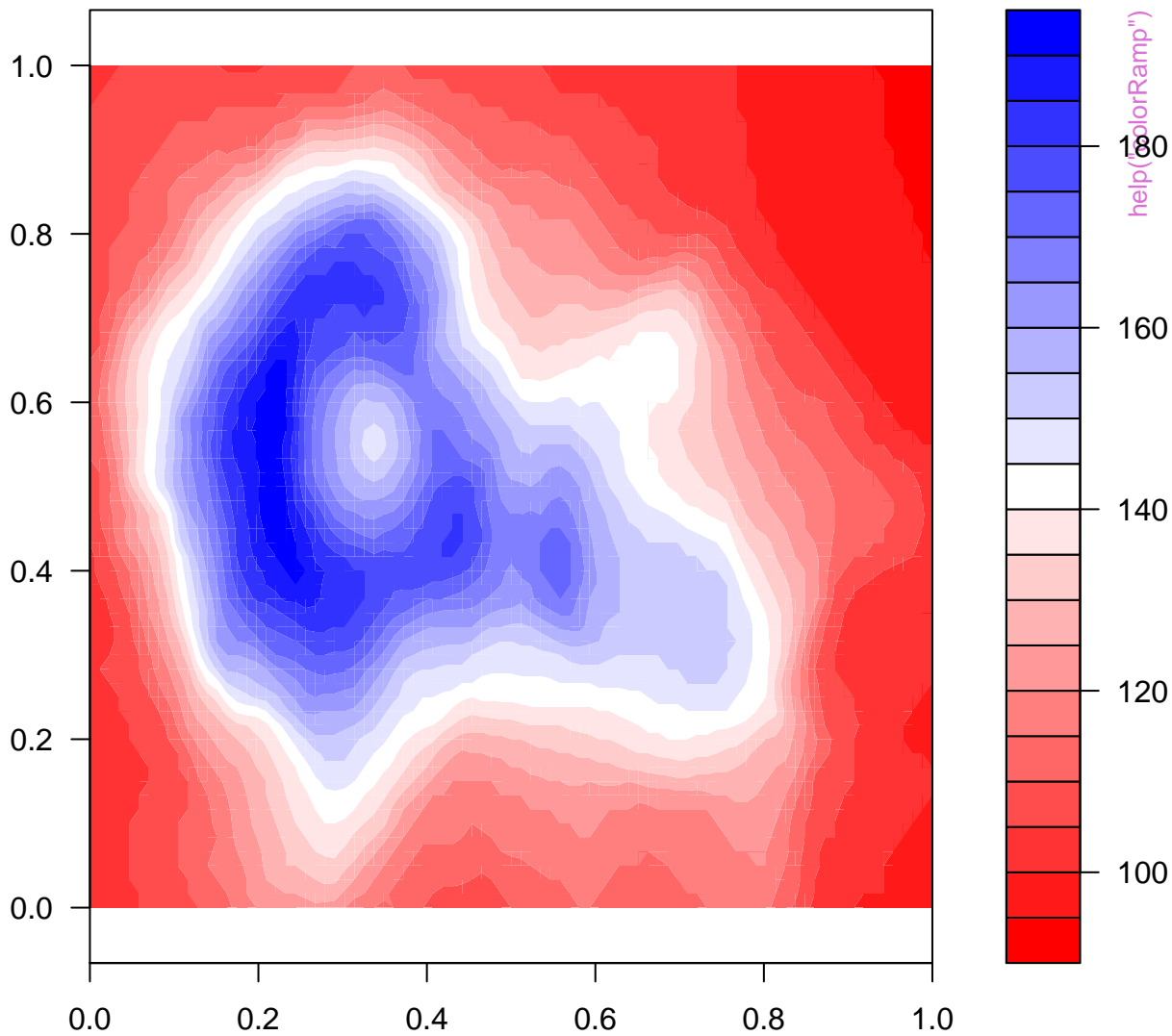
help("adjustcolor")

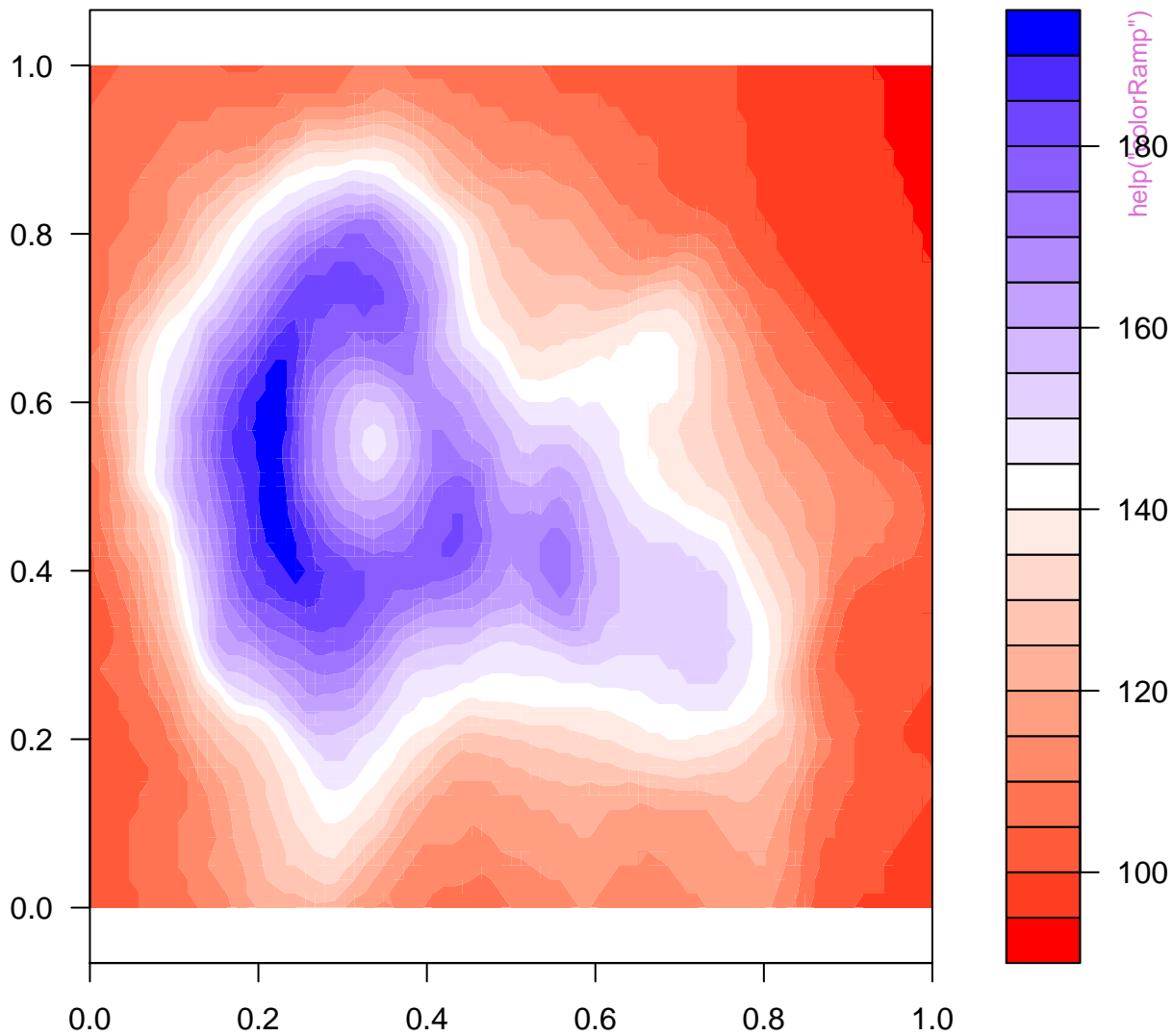


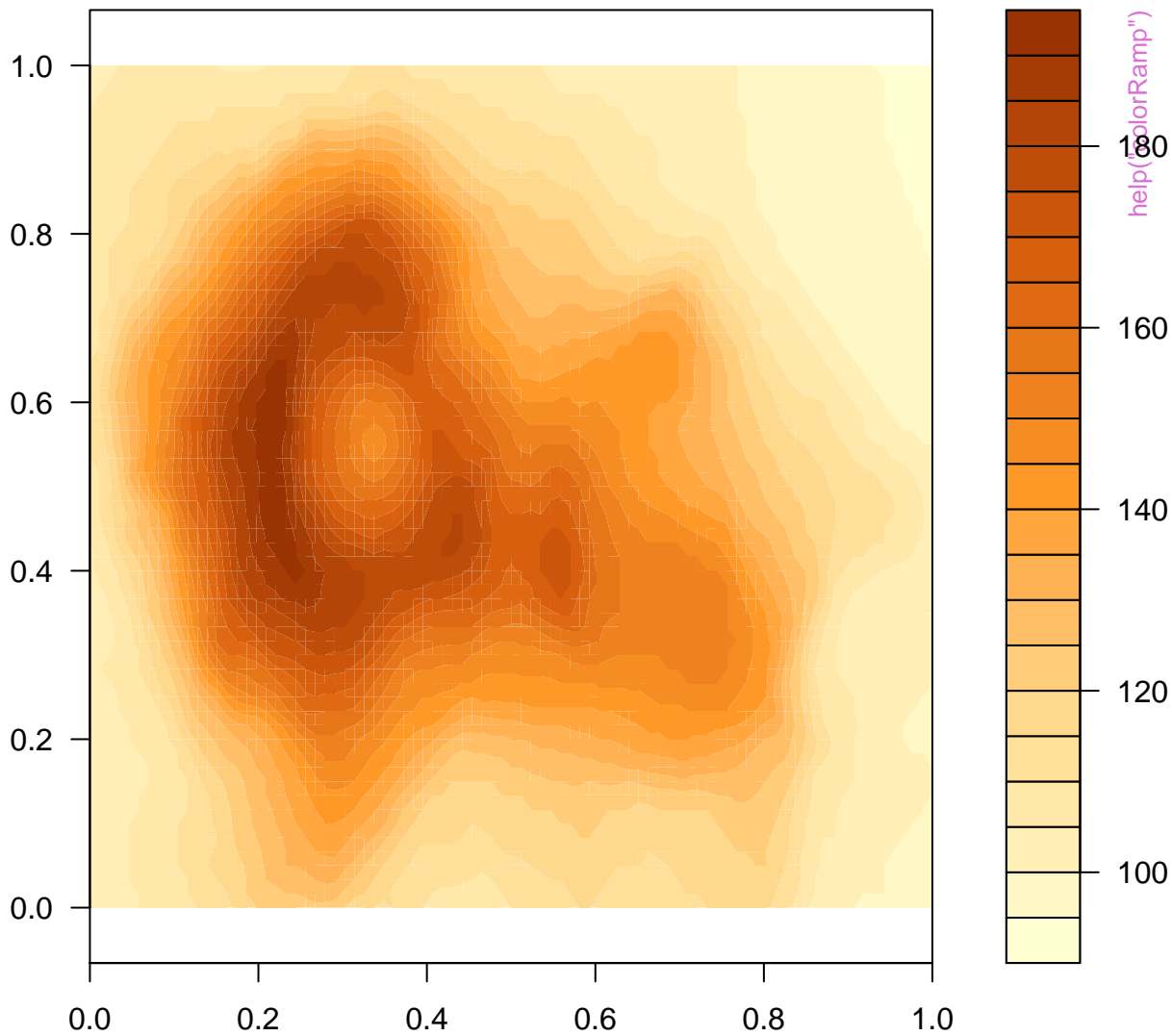


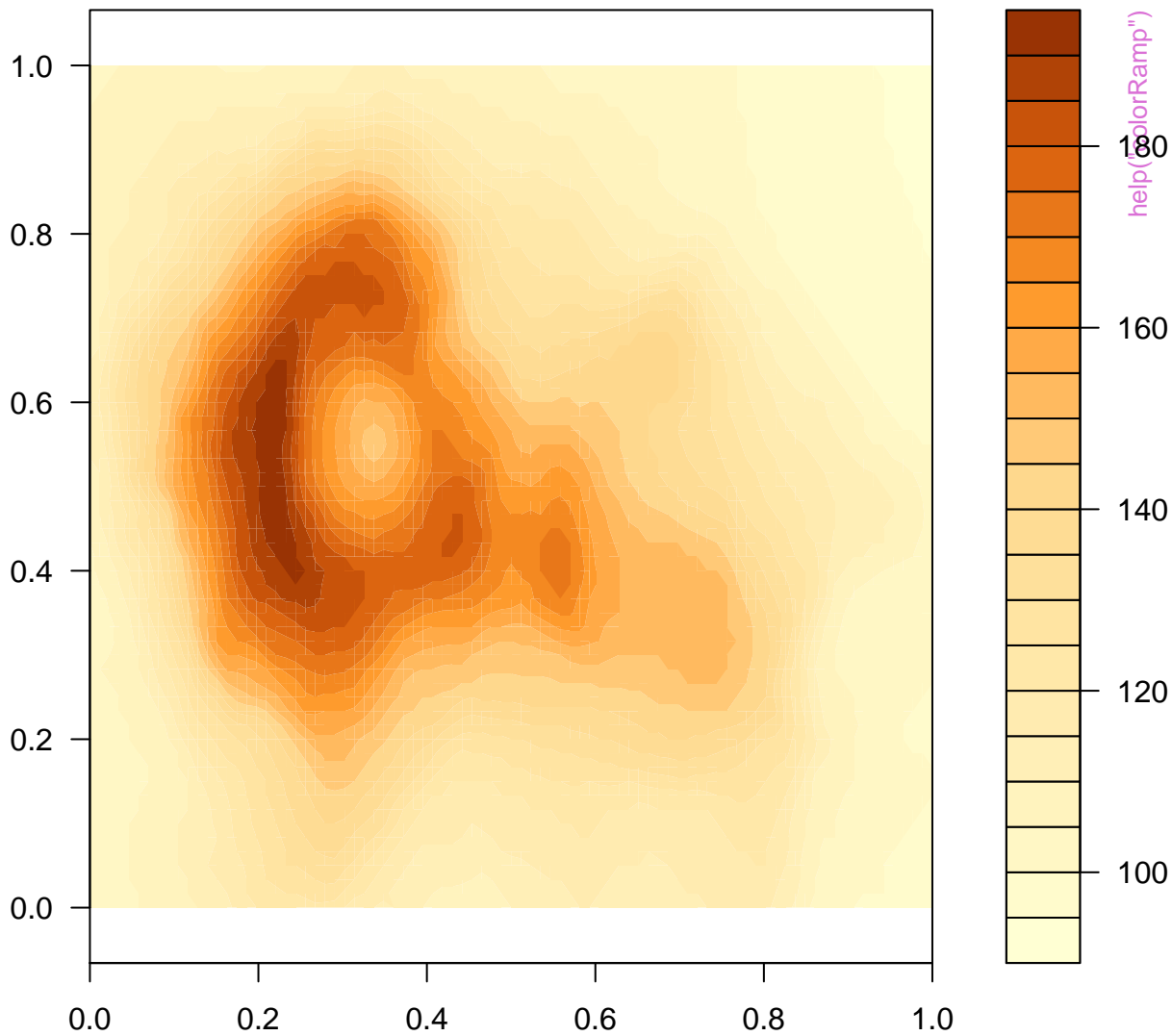
help("axisTicks")

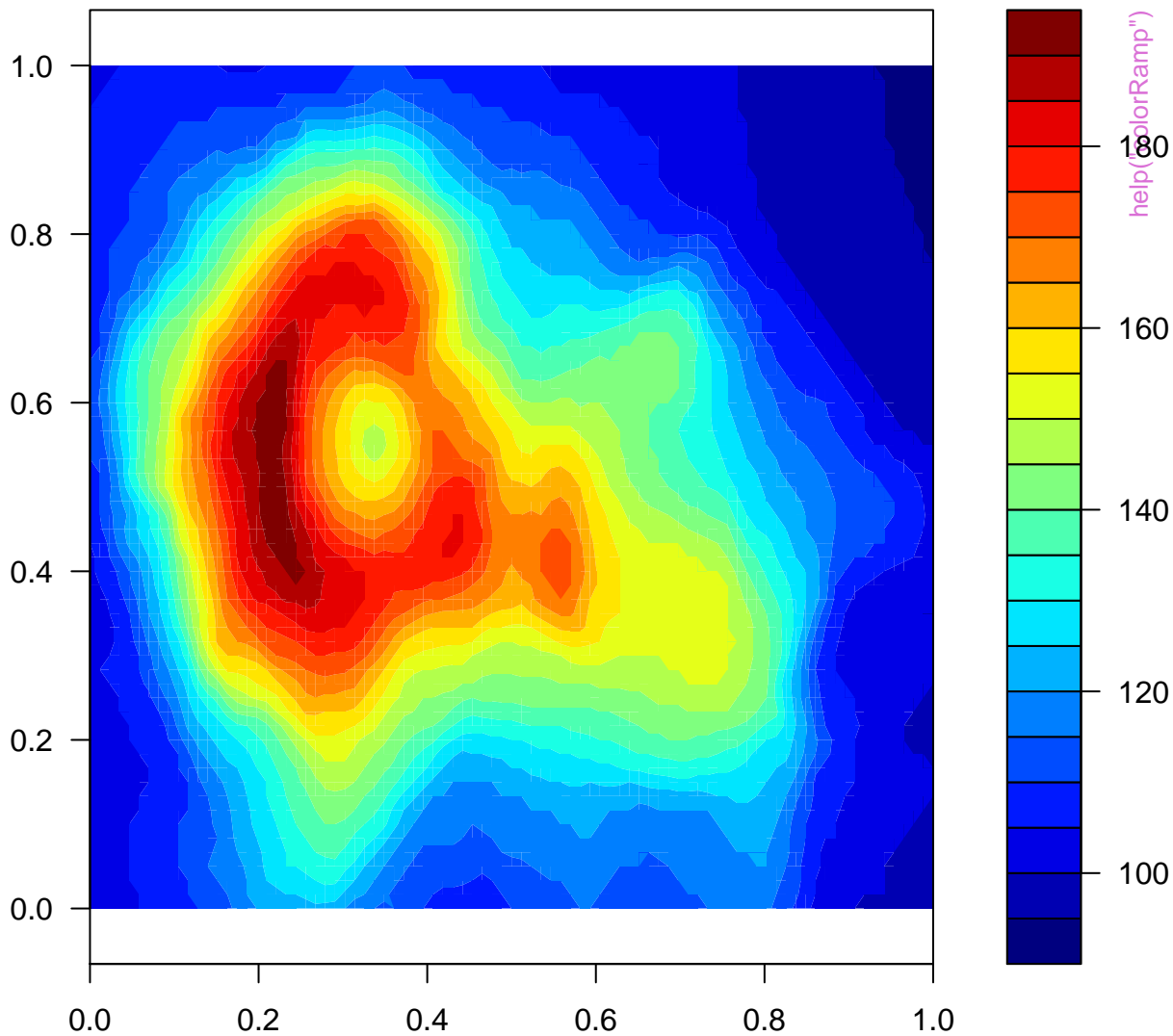


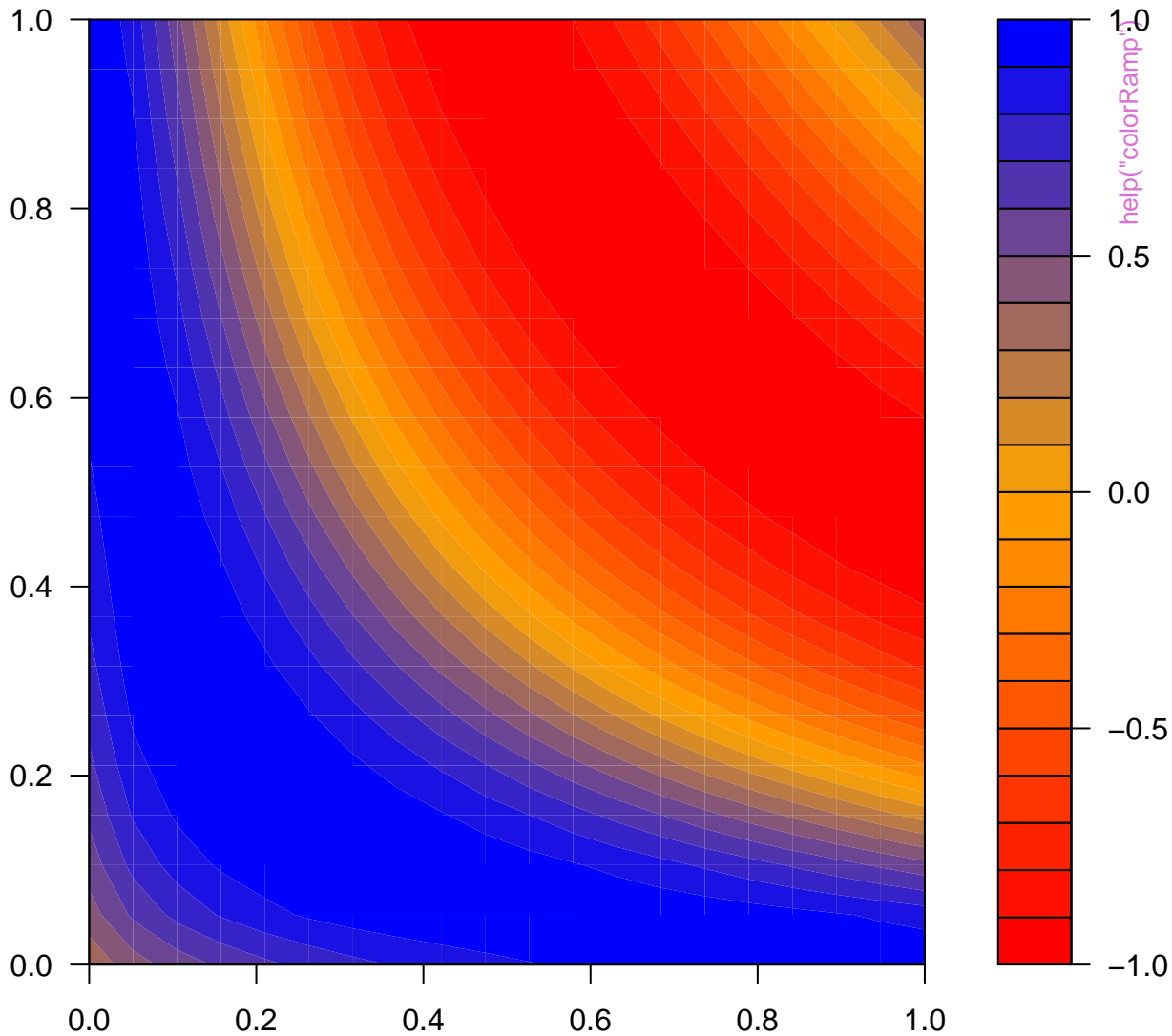


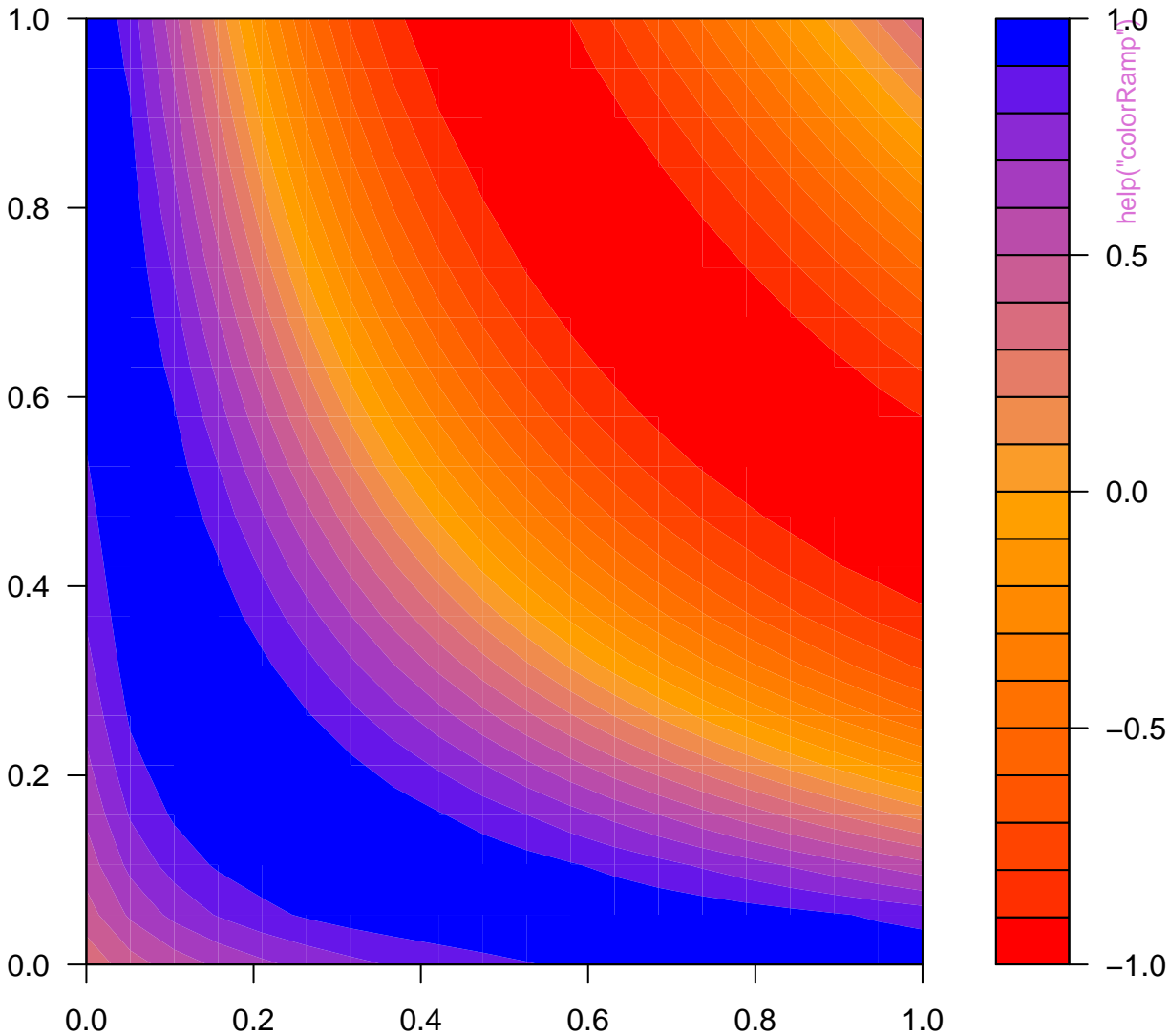




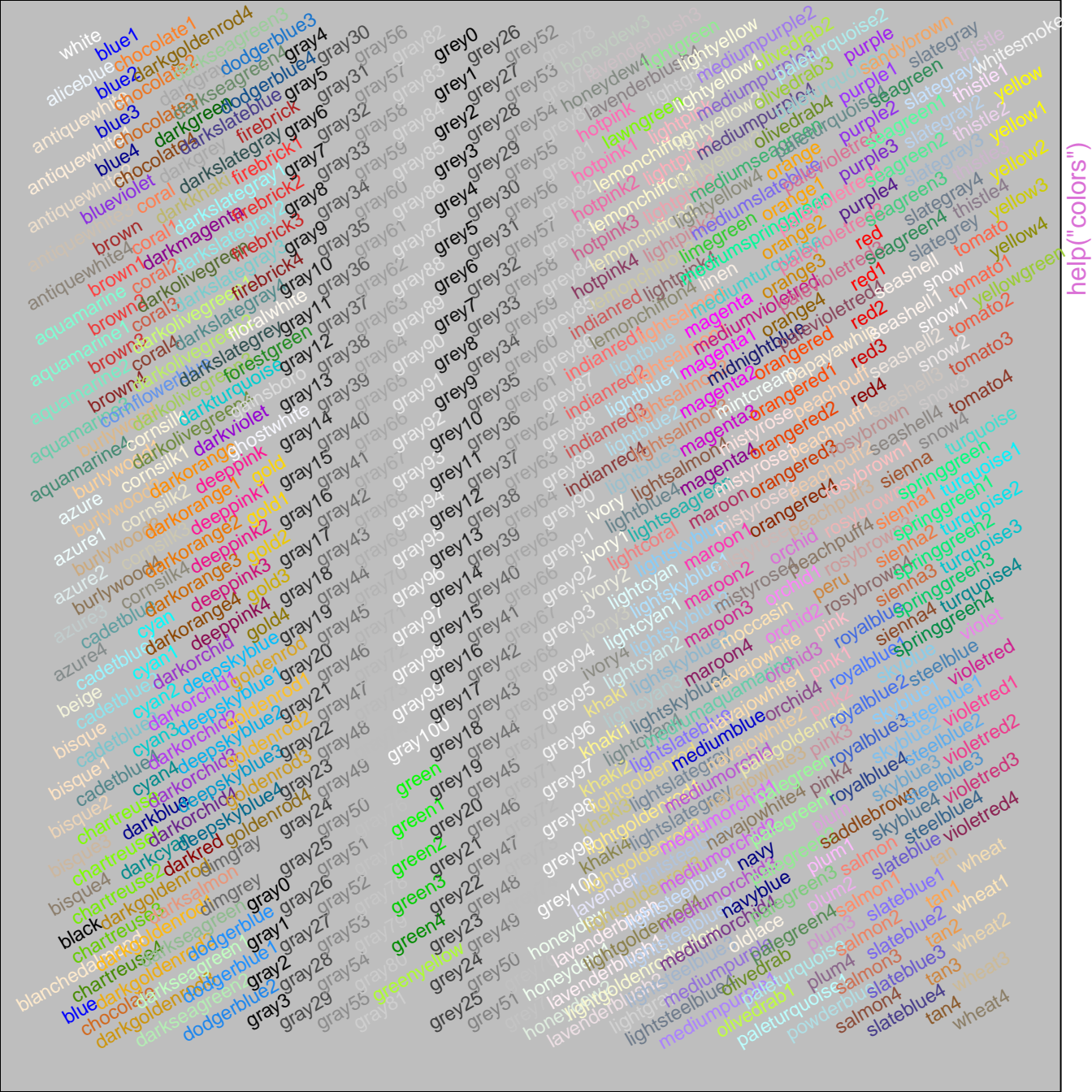






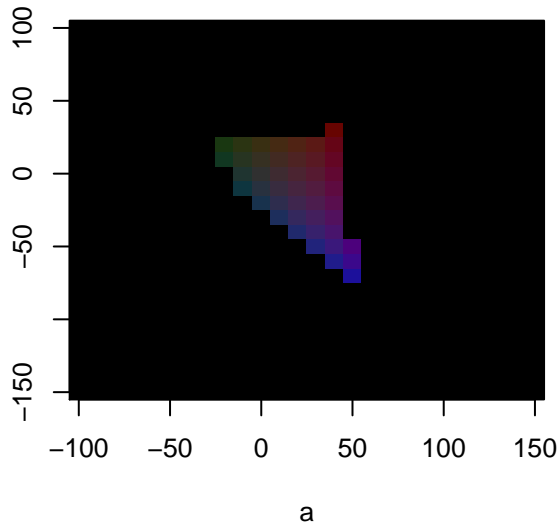




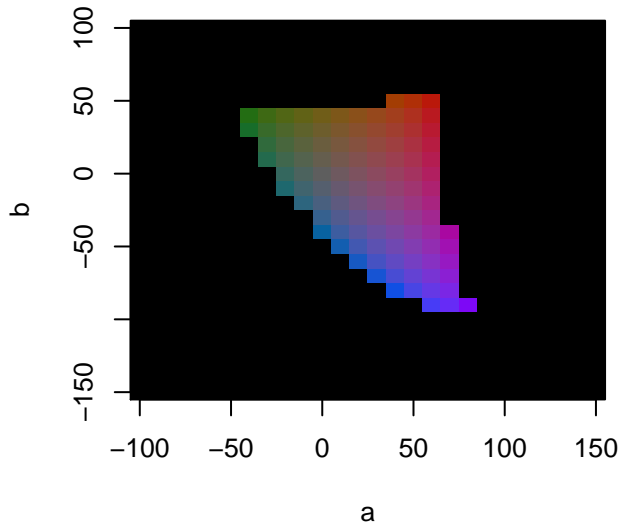


help("colors")

Lab: L=20

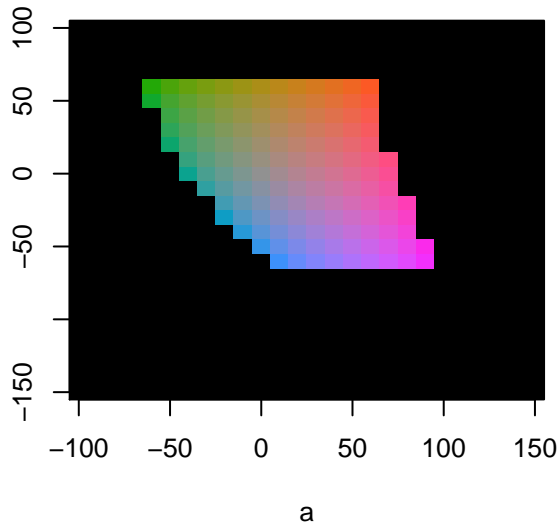


Lab: L=40

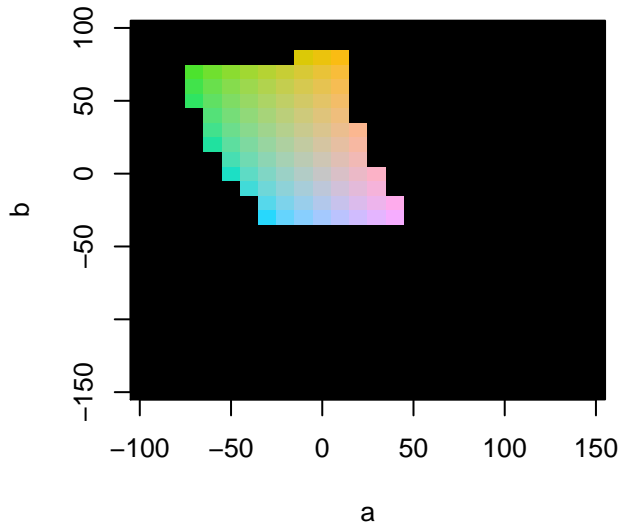


help("convertColor")

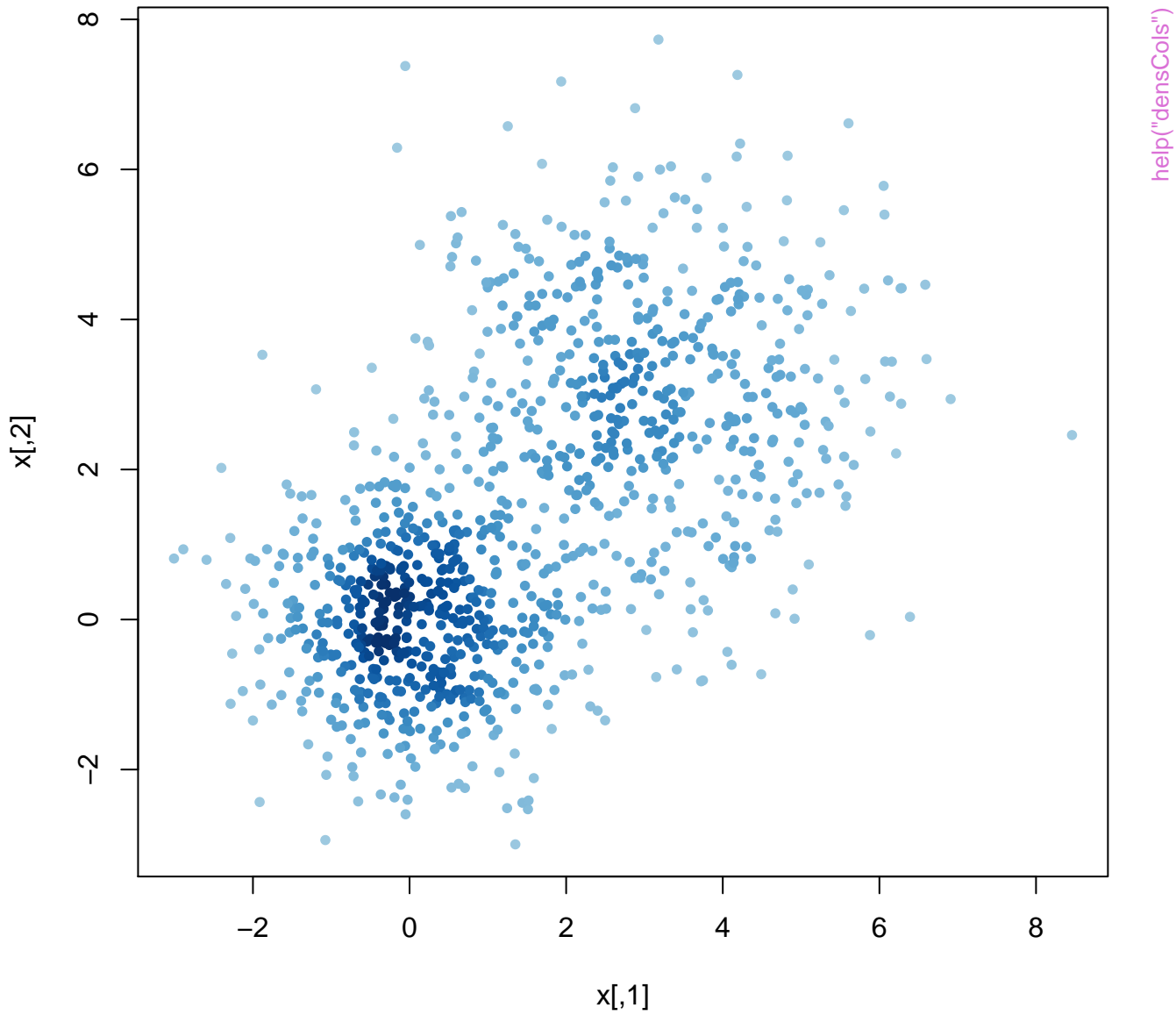
Lab: L=60

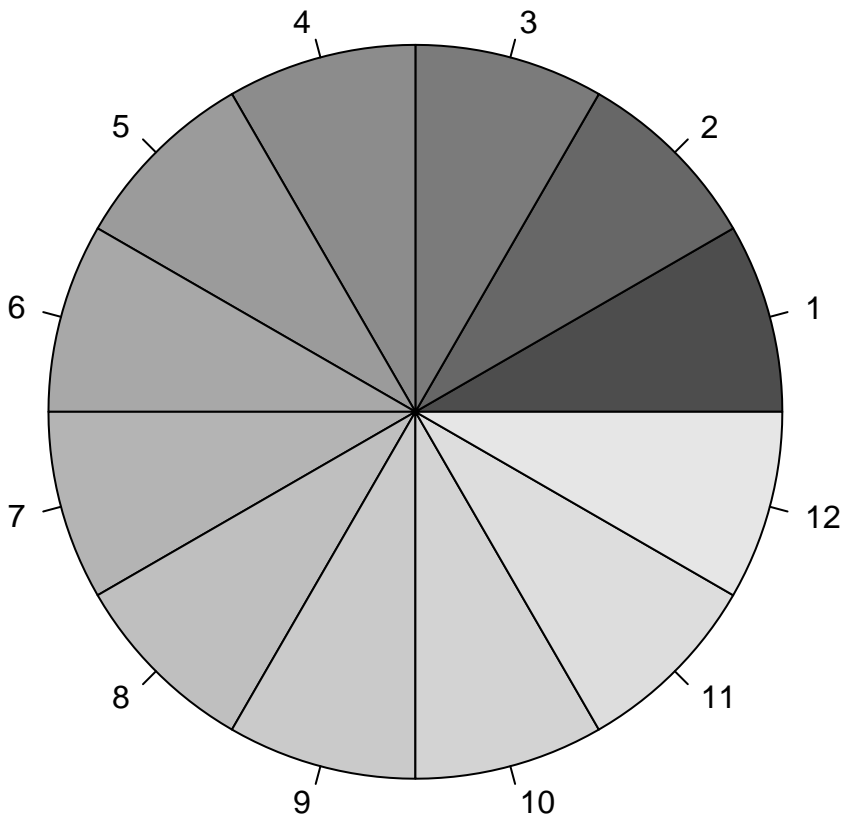


Lab: L=80

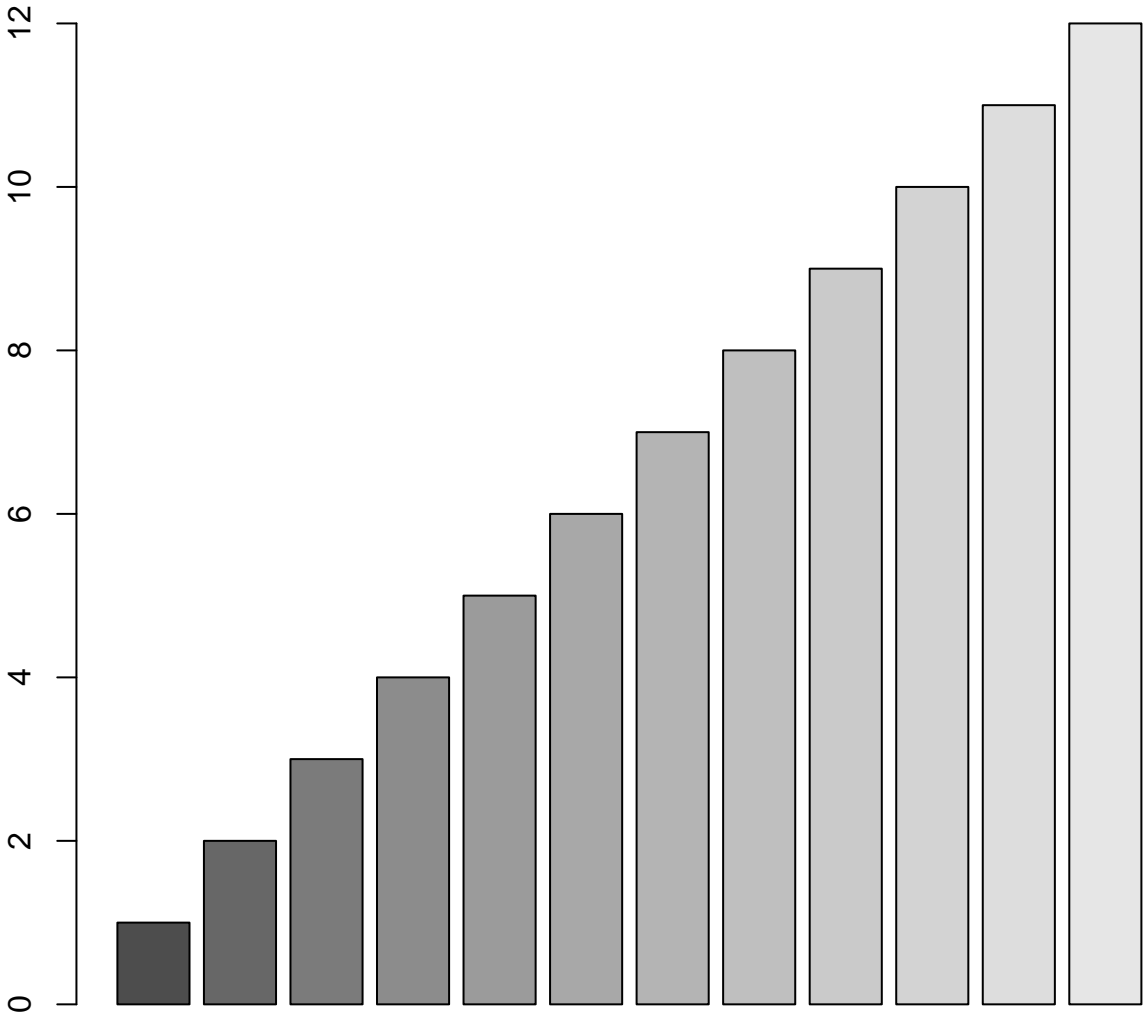


n = 1000



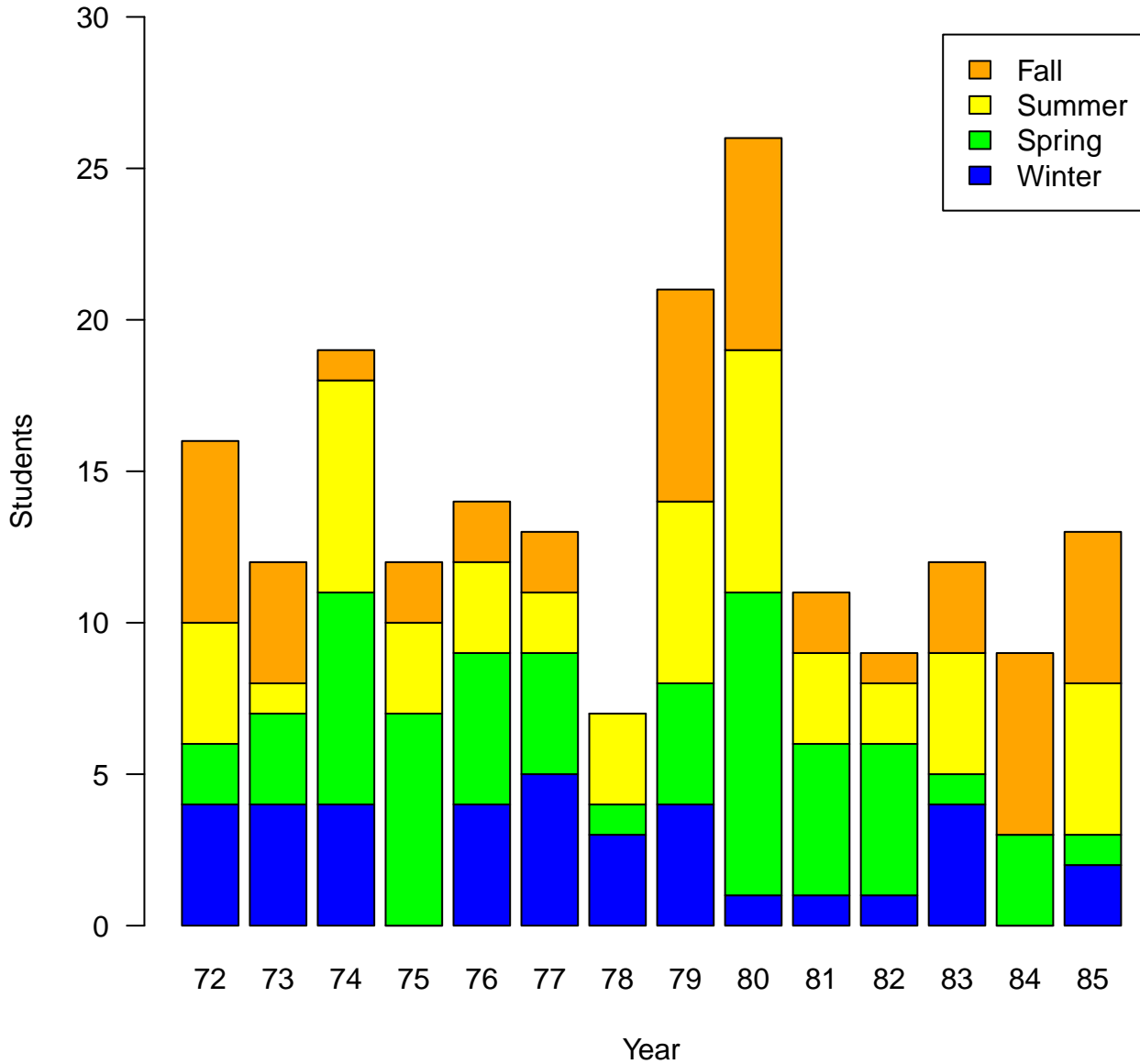


help("gray.colors")



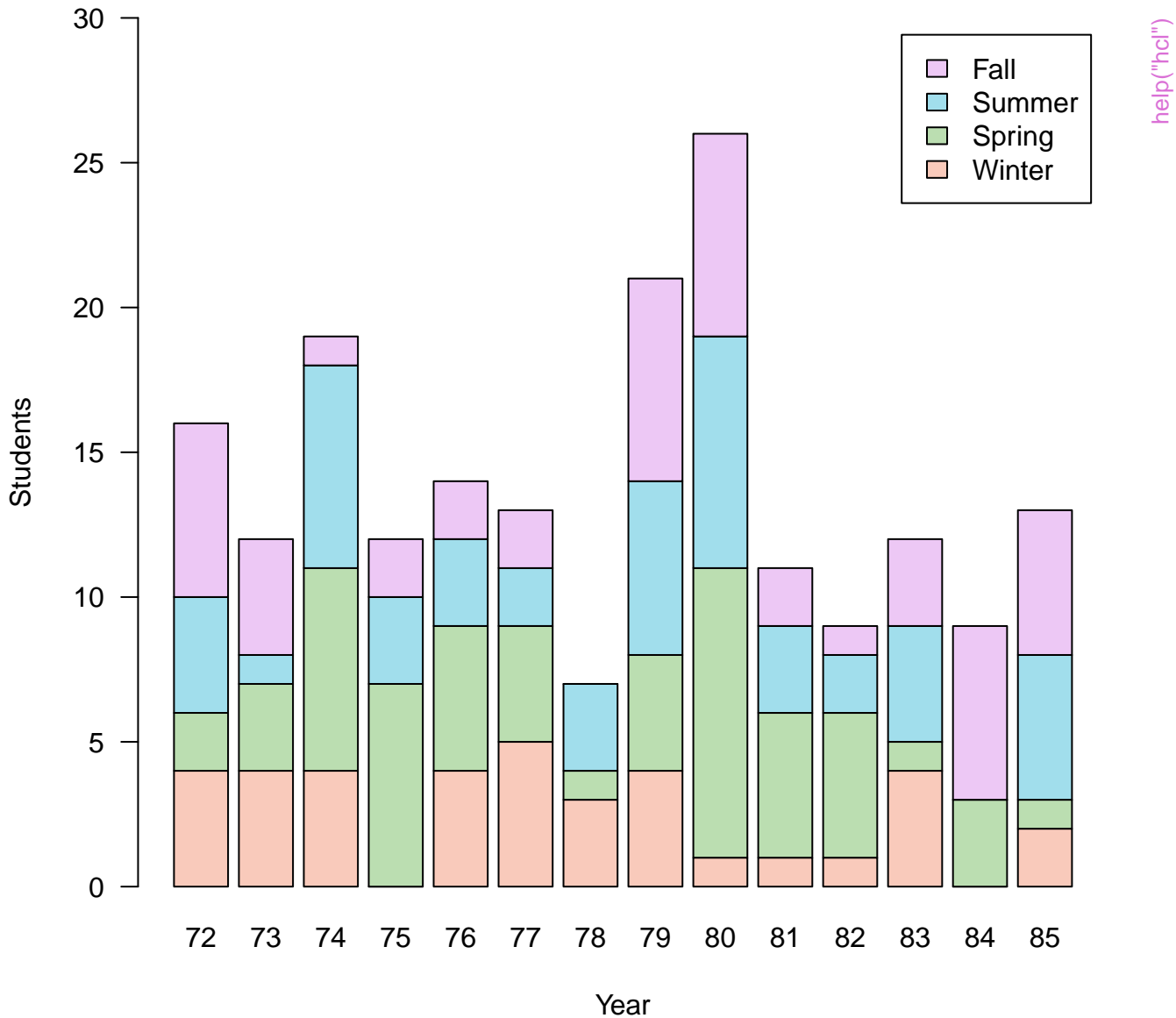
help("gray.colors")

Computer Science PhD Graduates

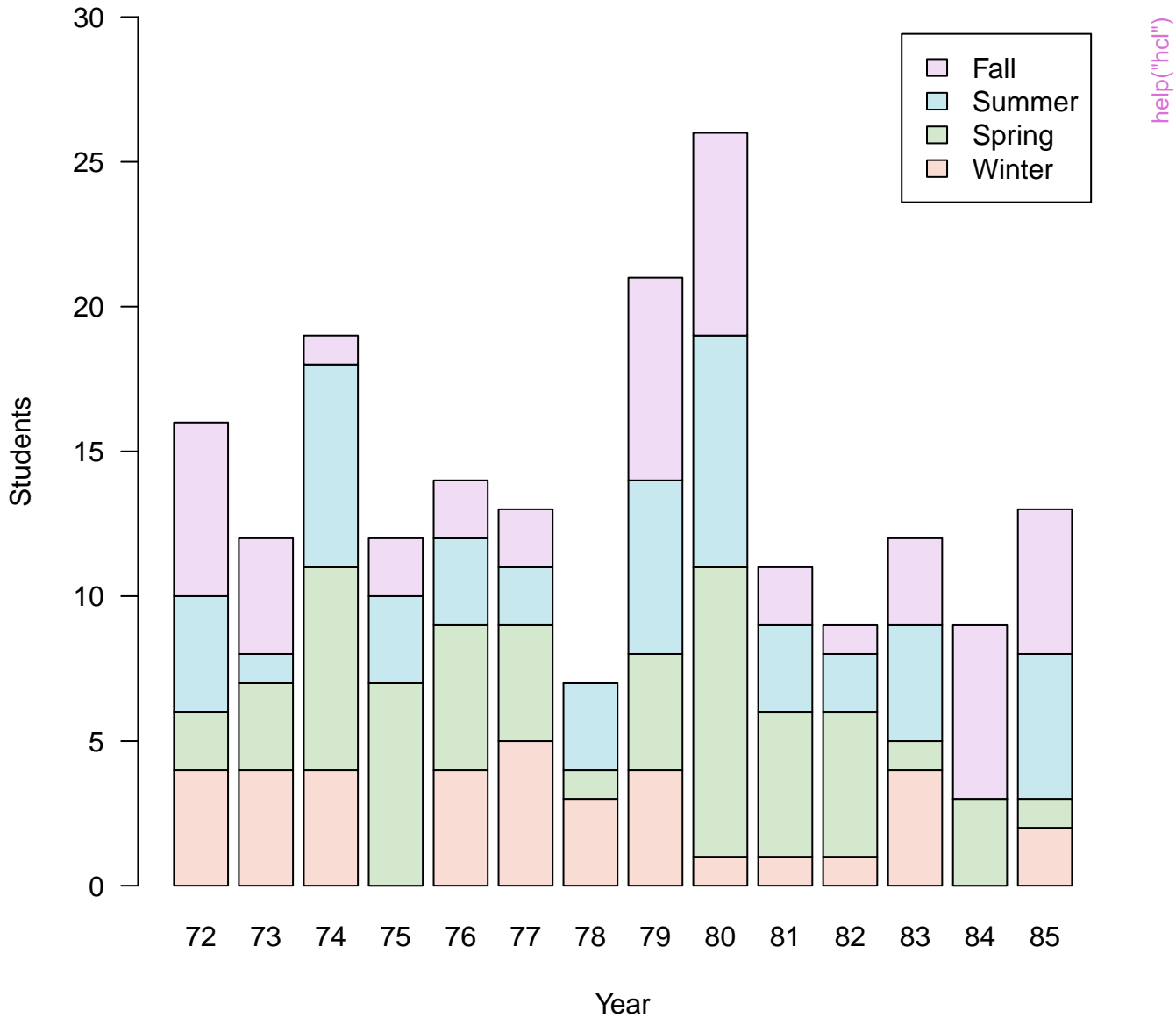


help("hcl")

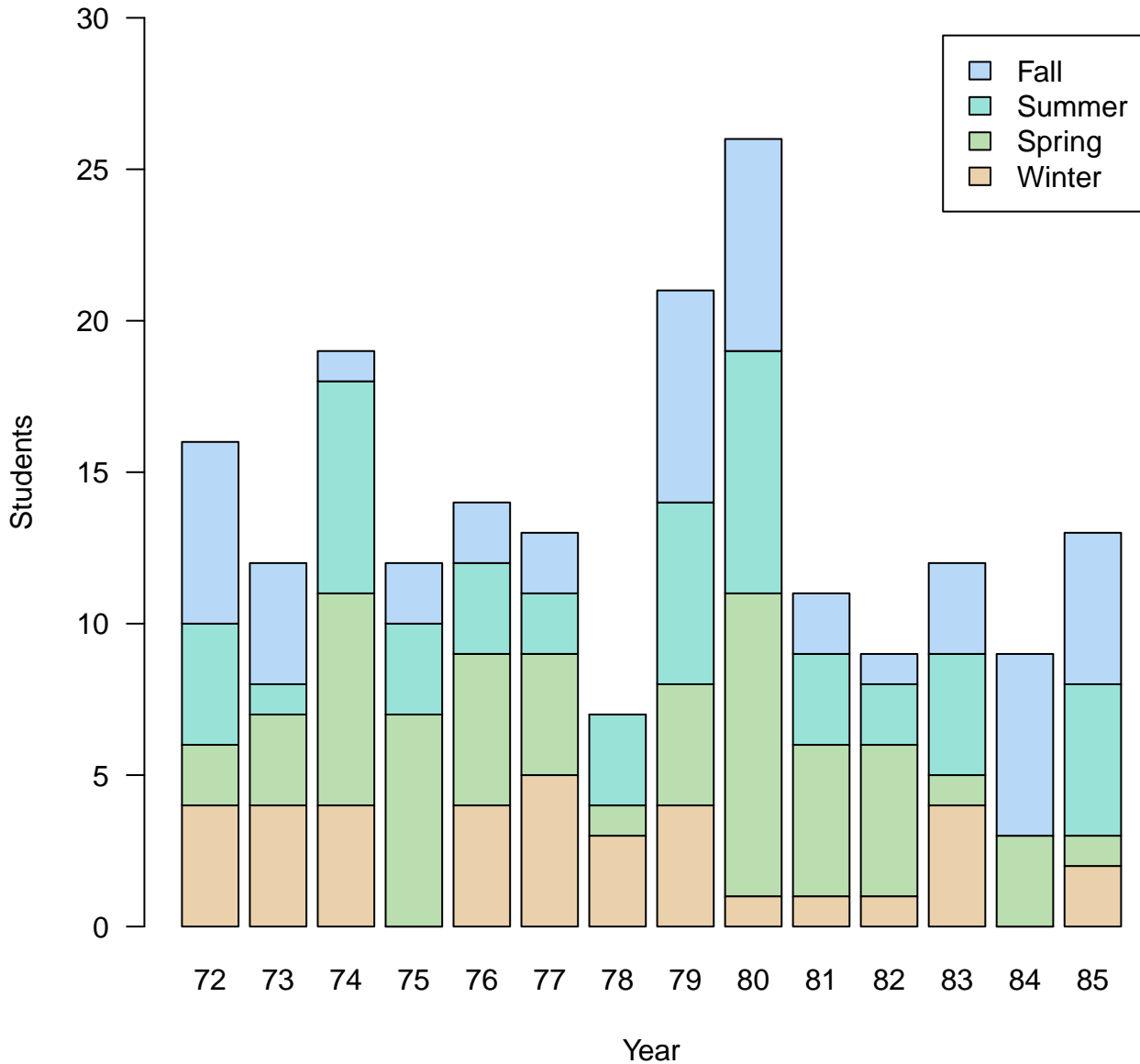
Computer Science PhD Graduates



Computer Science PhD Graduates

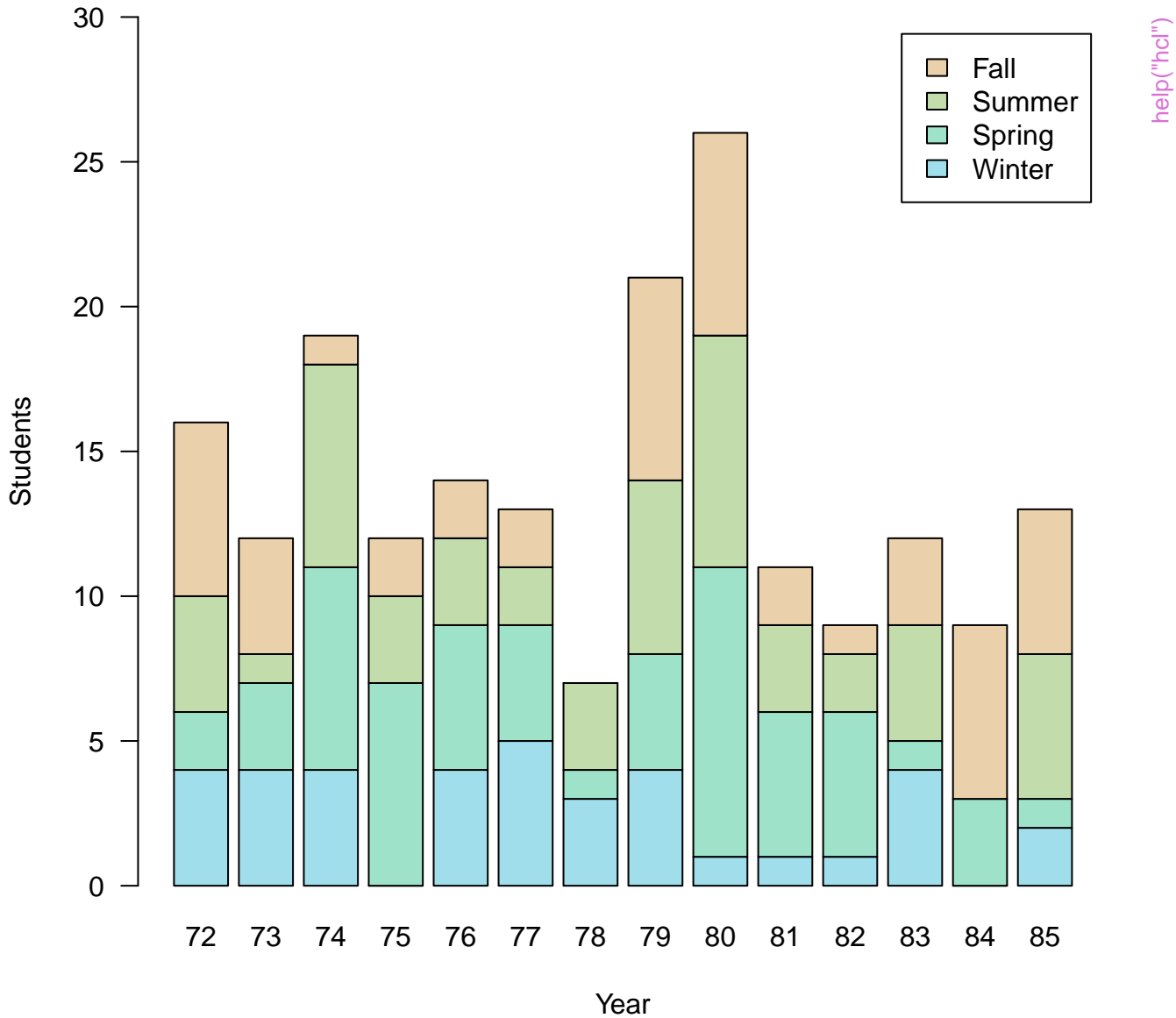


Computer Science PhD Graduates

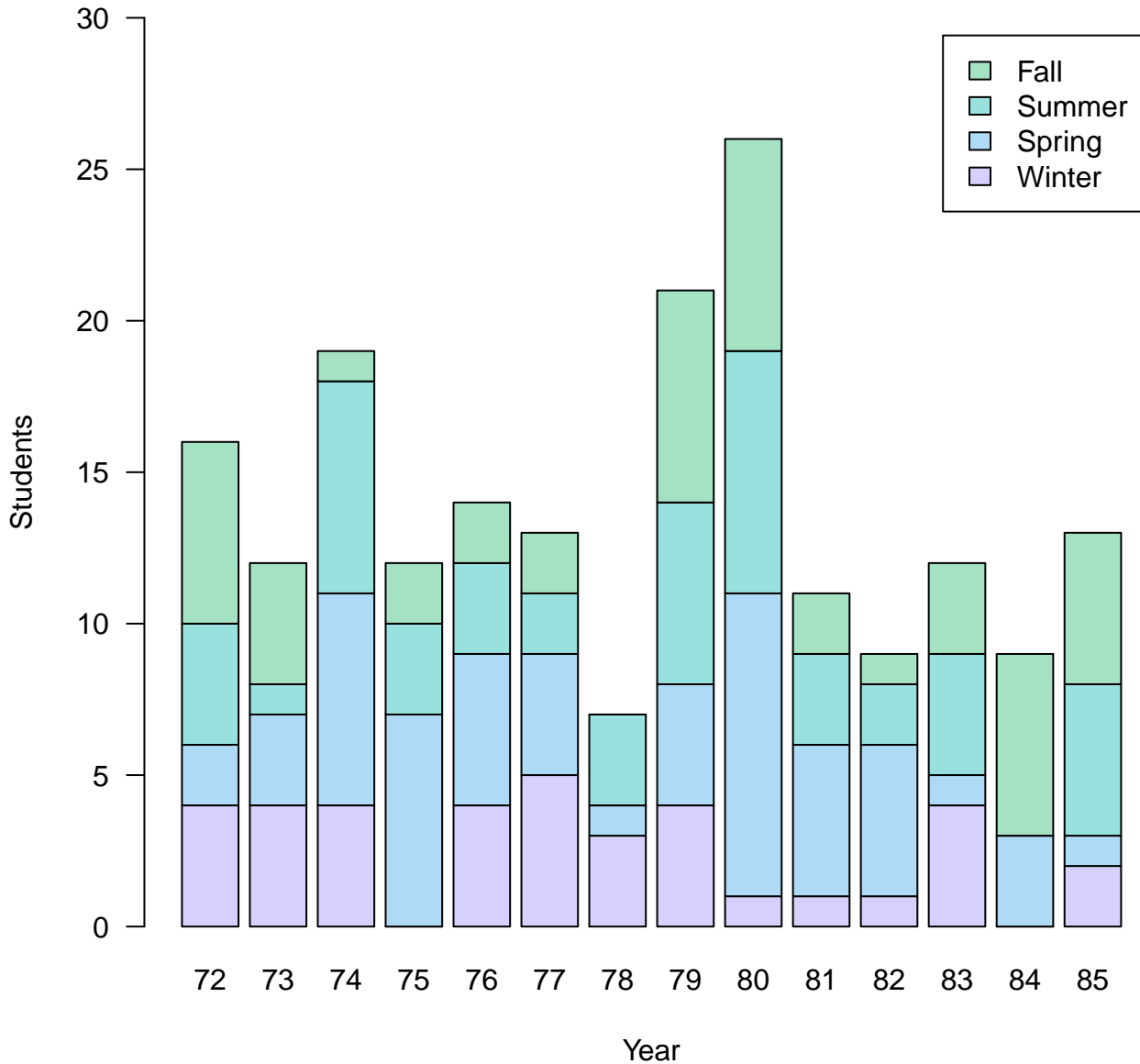


help("hcl")

Computer Science PhD Graduates

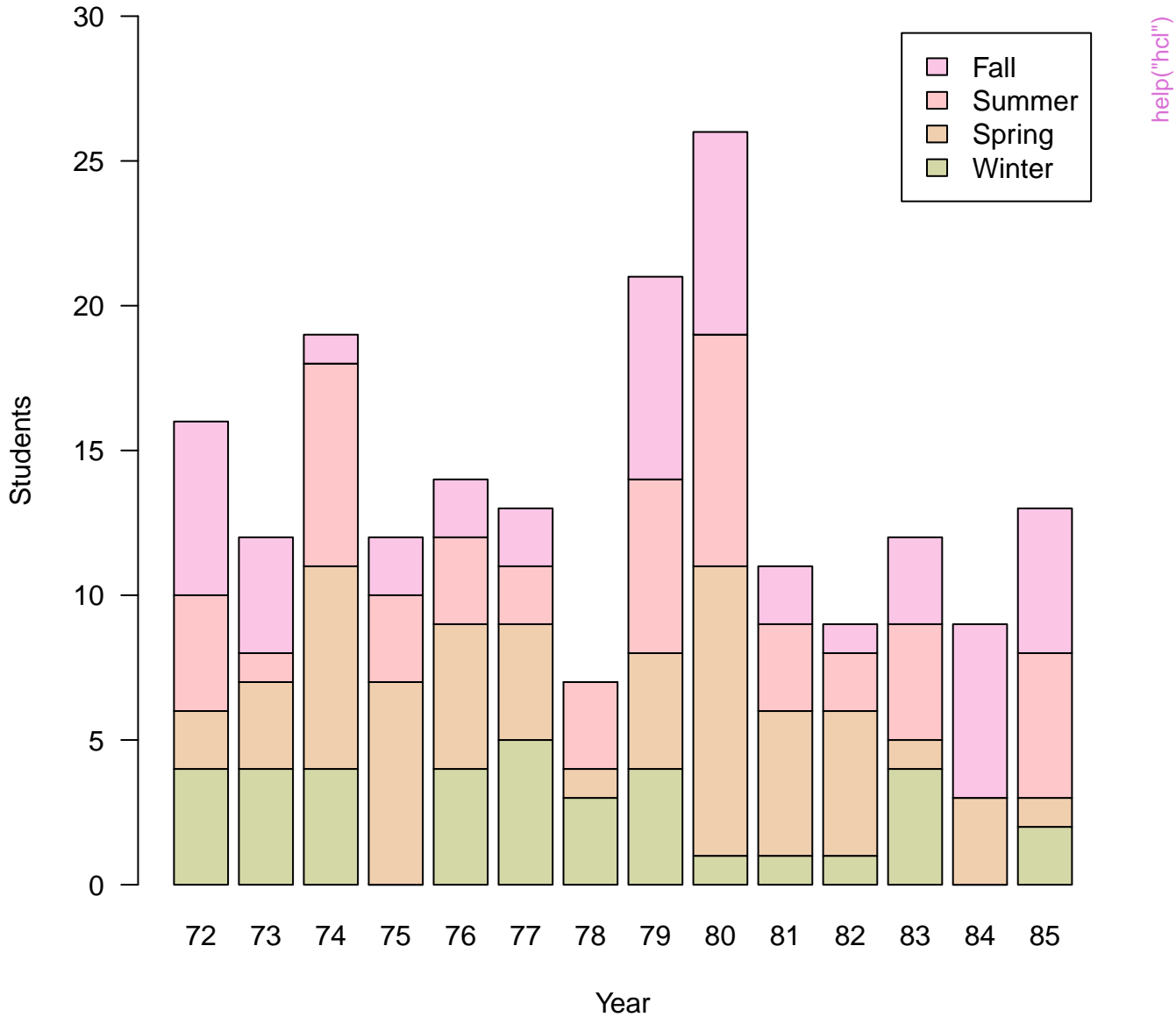


Computer Science PhD Graduates

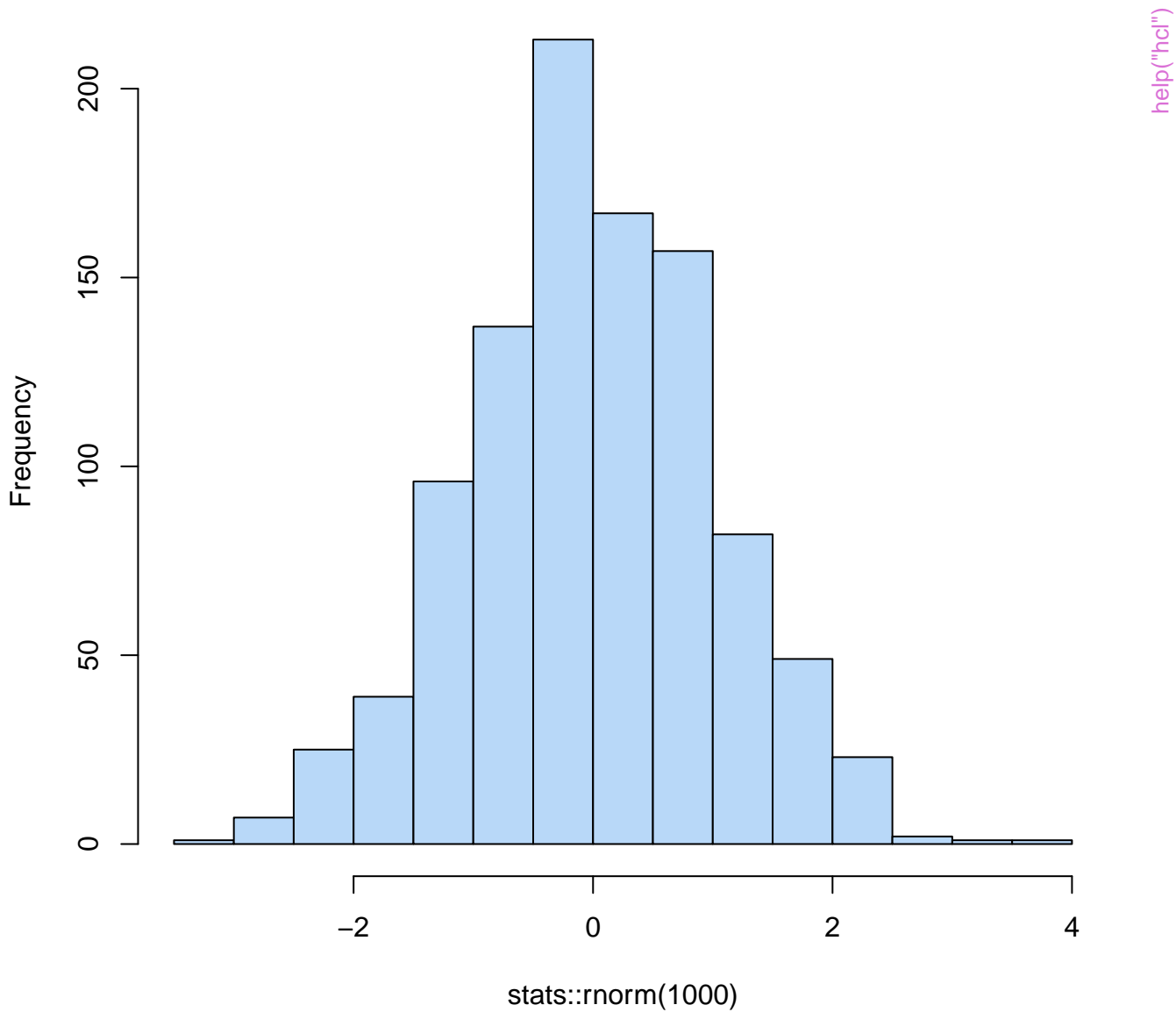


help("hcl")

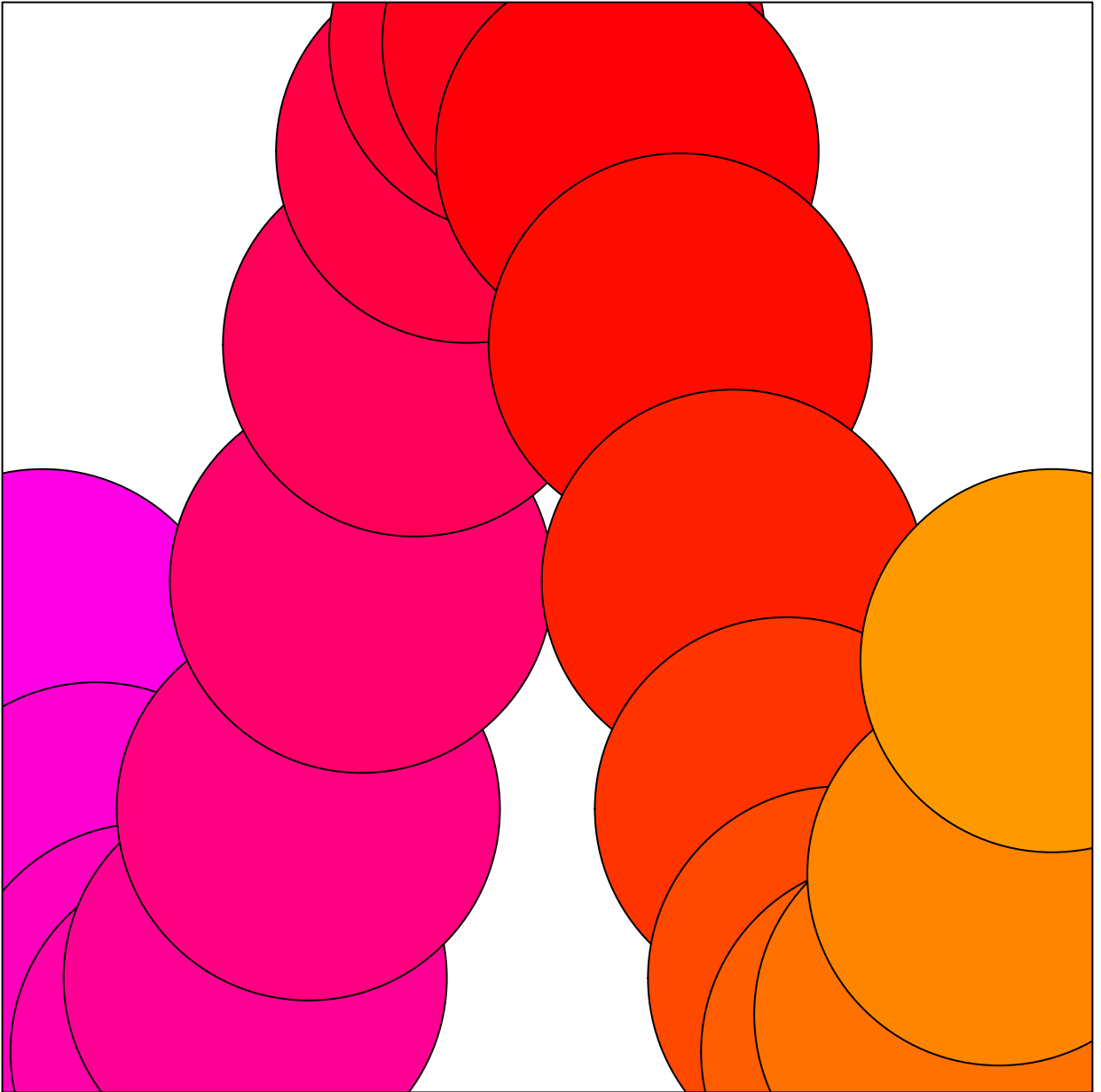
Computer Science PhD Graduates



Histogram of stats::rnorm(1000)

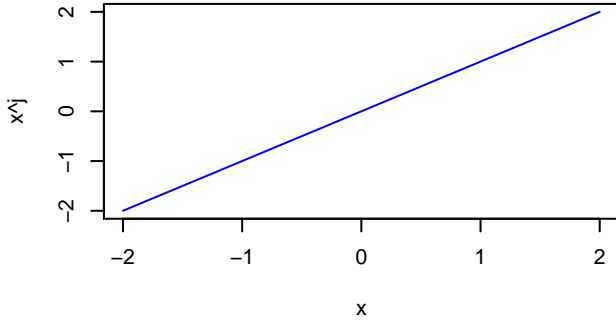


Red tones

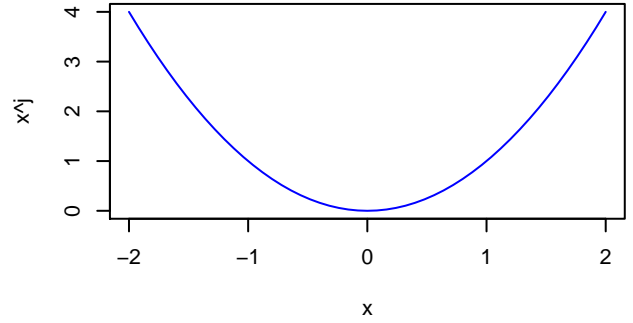


help("hsv")

x^1

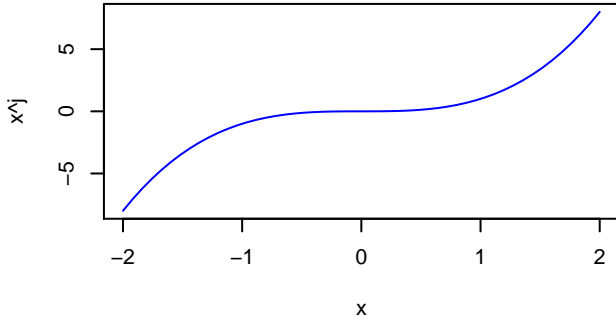


x^2

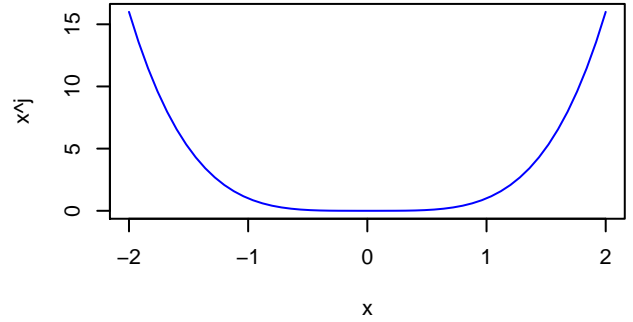


help("n2mfrow")

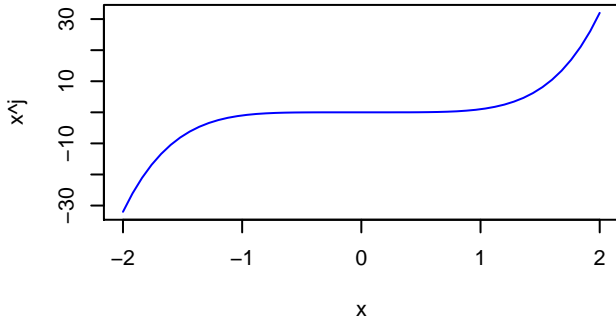
x^3



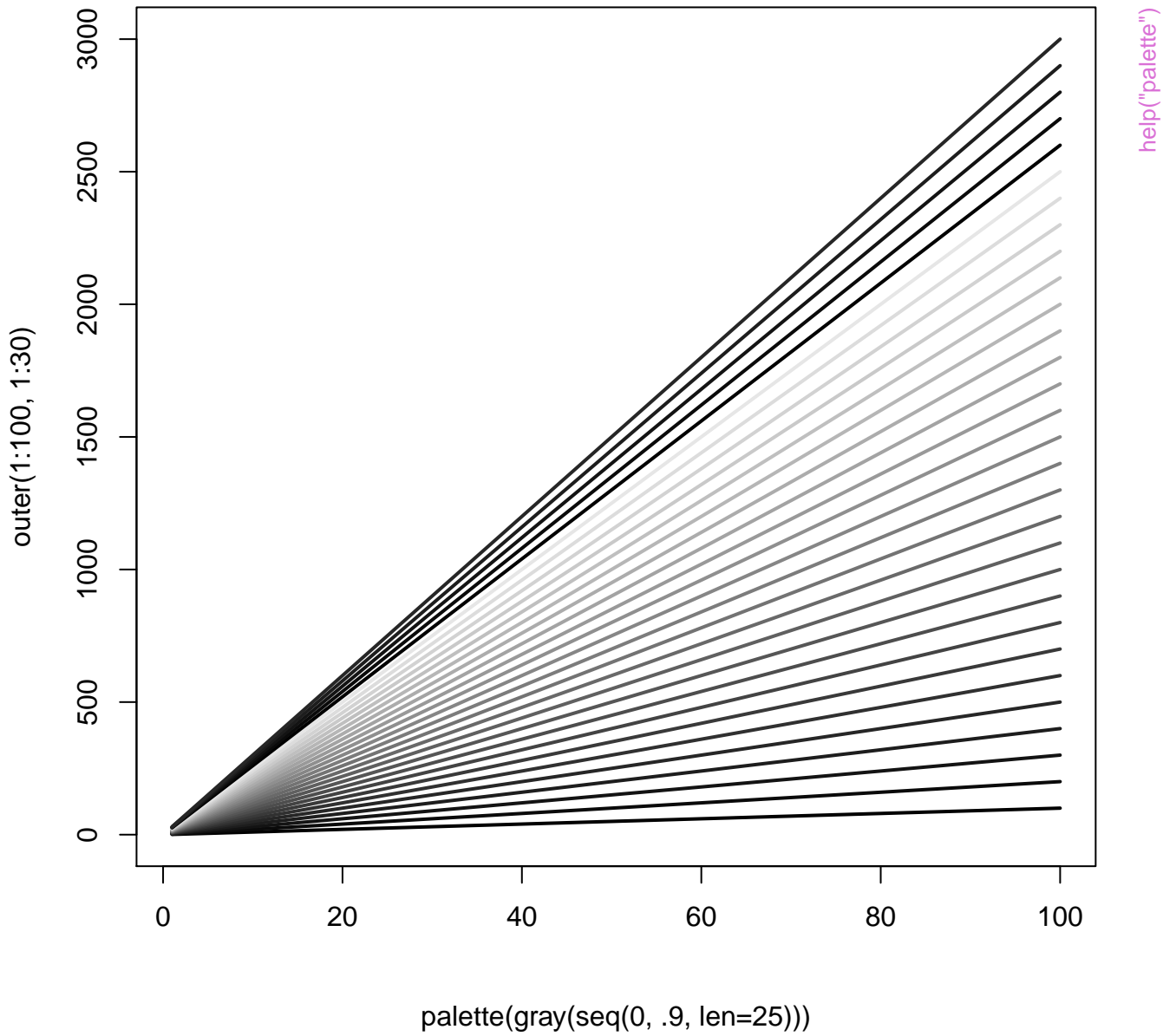
x^4



x^5

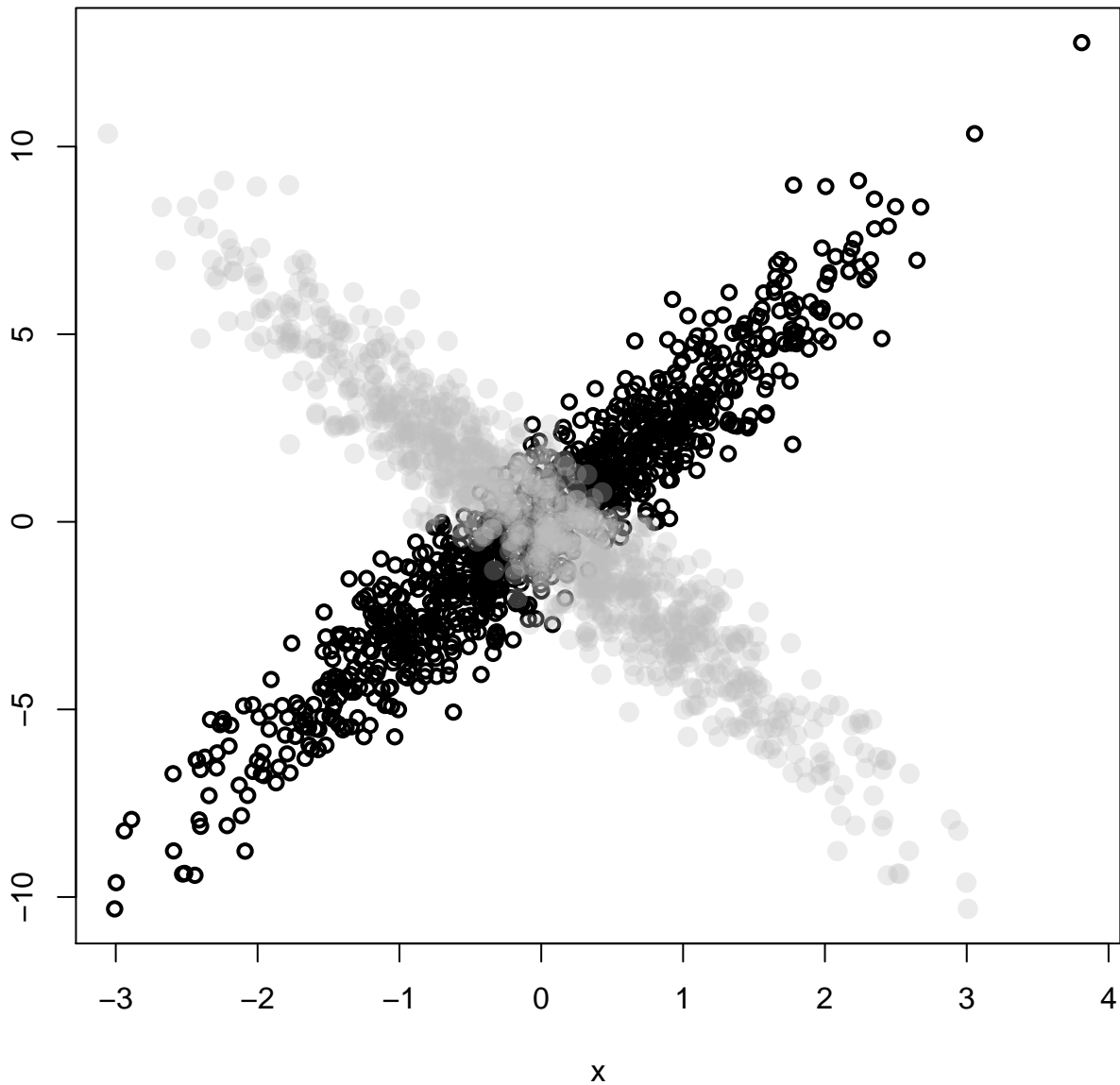


Gray Scales Palette

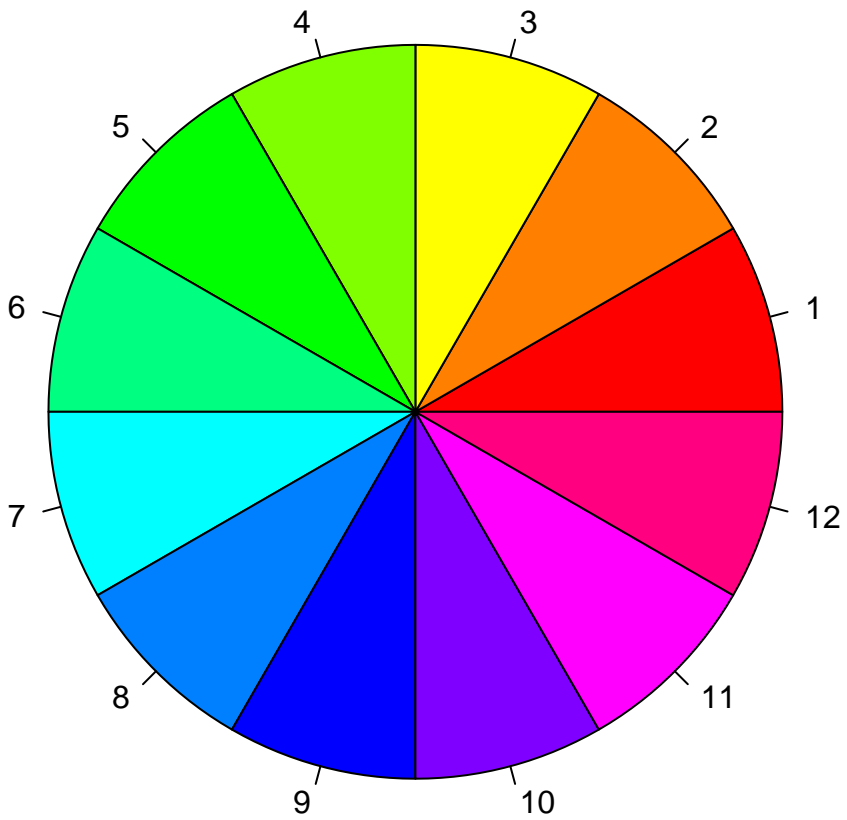


Alpha-Transparency Palette

alpha = 0.3

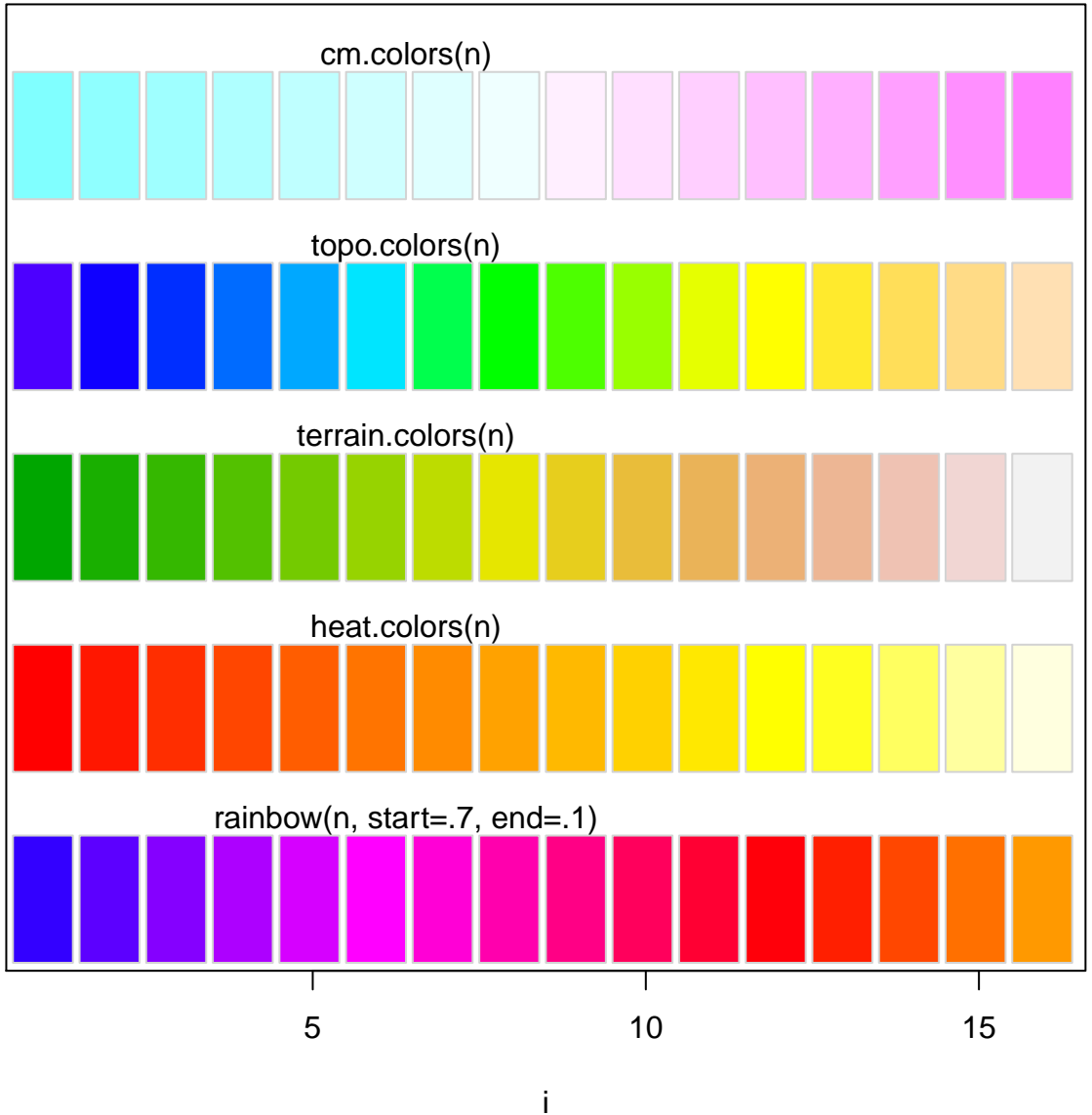


help("palette")

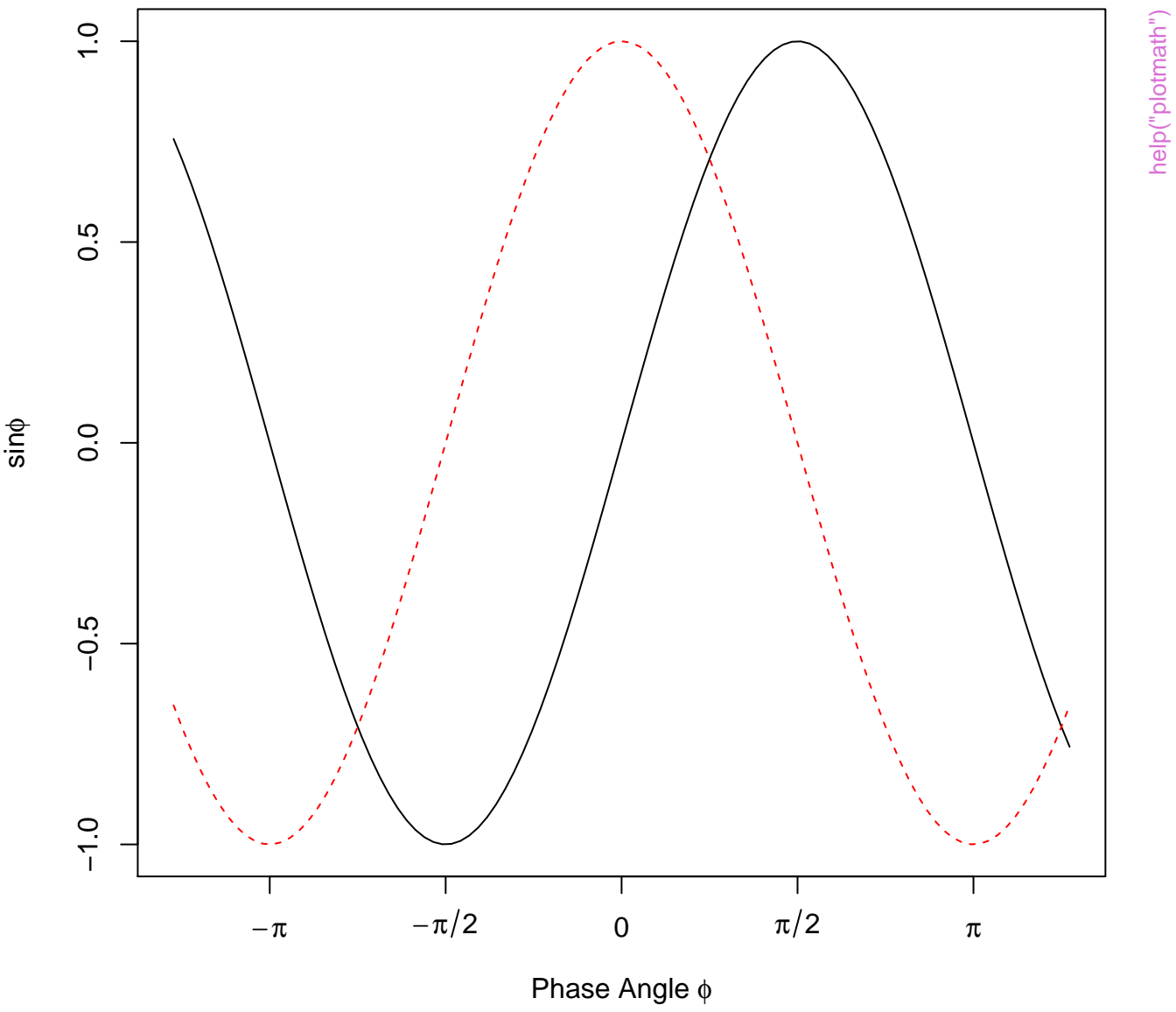


help("palettes")

color palettes; n= 16



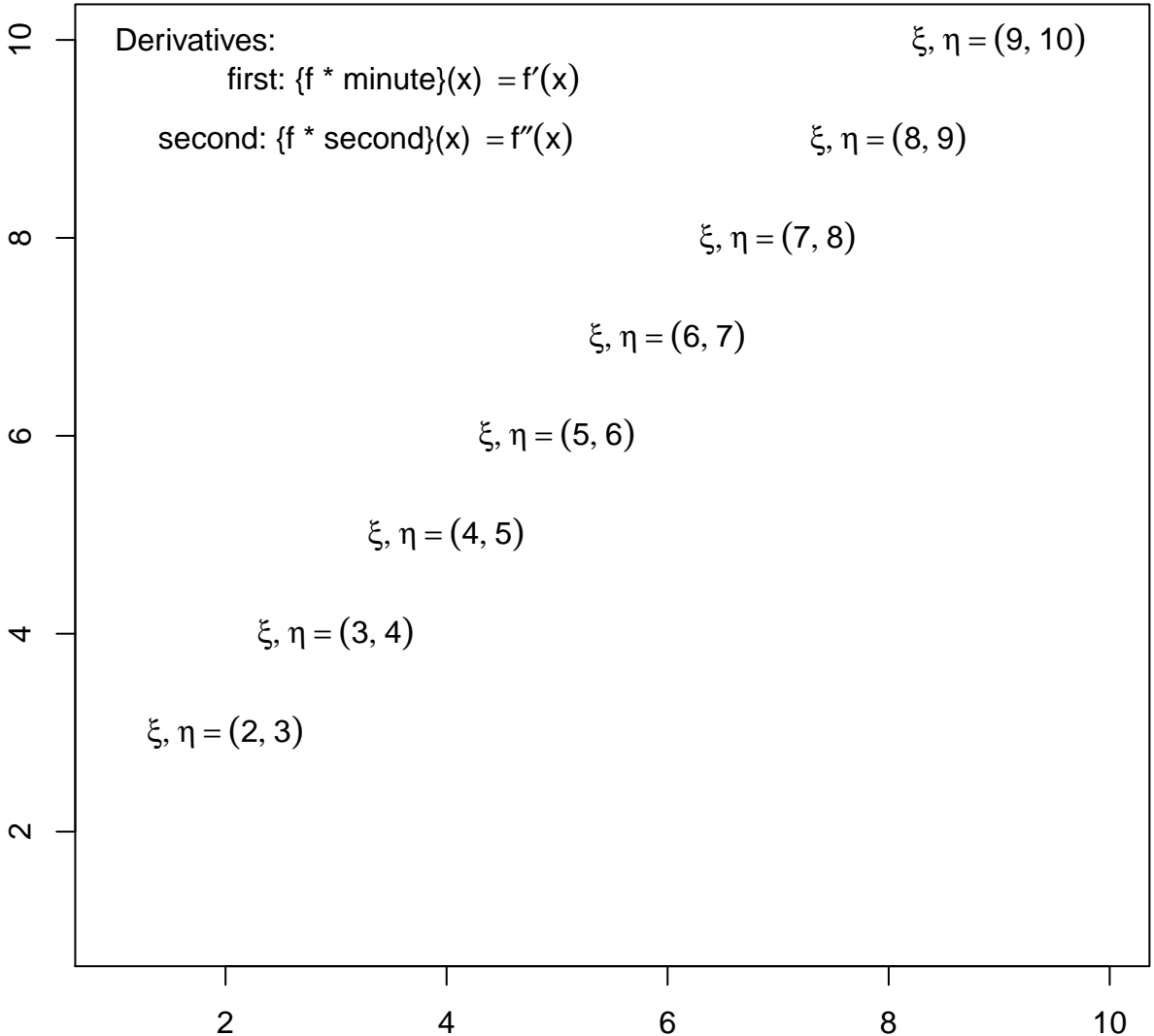
$\sin\phi$ and $\cos\phi$



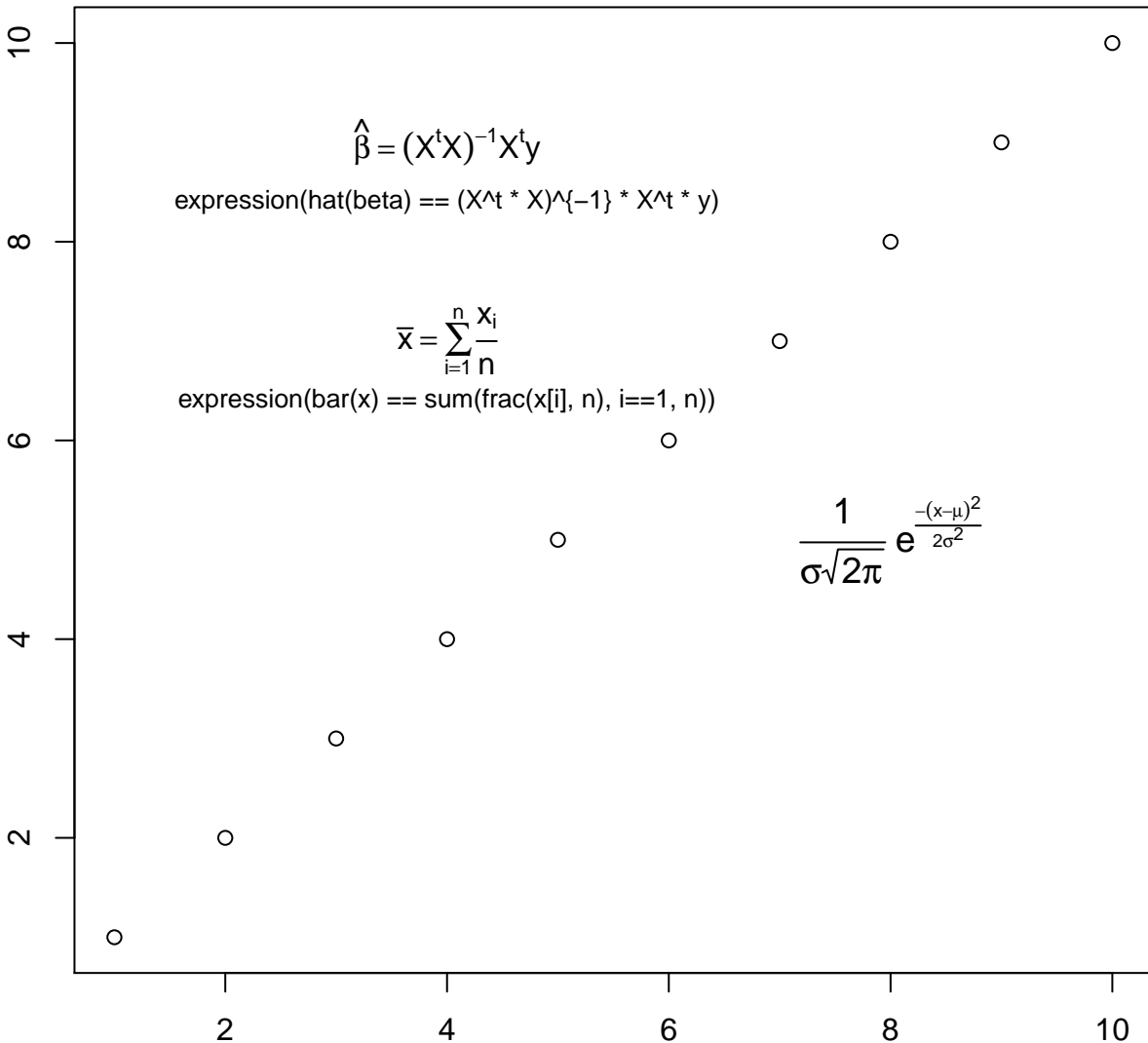
help("plotmath")

plot math & numbers

$$\hat{\theta} = 1.23$$



1:10



$$\hat{\beta} = (X^t X)^{-1} X^t y$$

expression(hat(beta) == (X^t * X)^{-1} * X^t * y)

$$\bar{x} = \sum_{i=1}^n \frac{x_i}{n}$$

expression(bar(x) == sum(frac(x[i], n), i==1, n))

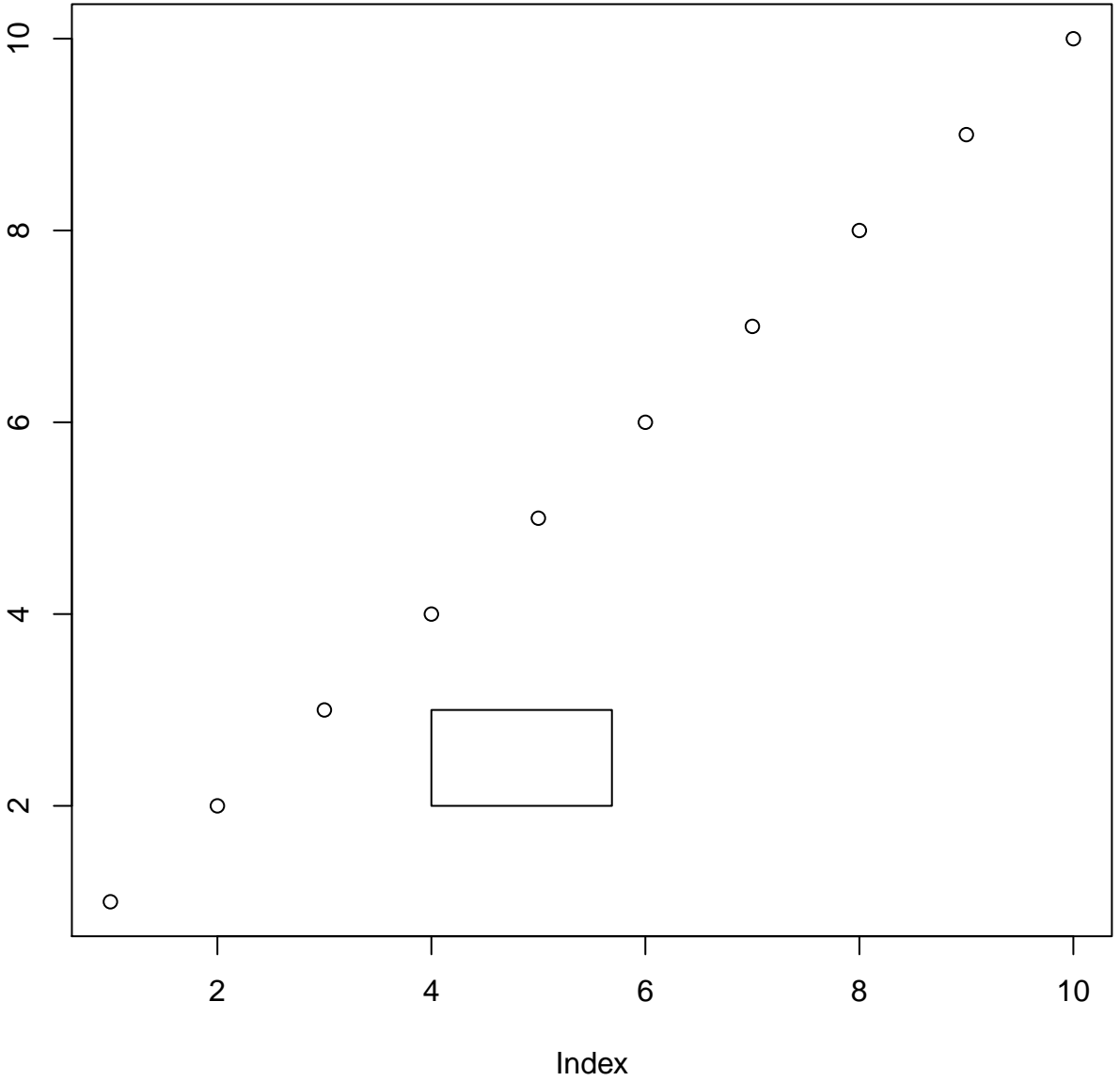
$$\frac{1}{\sigma\sqrt{2\pi}} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$$

help("plotmath")

1:10

universal	<code>\042</code>	\forall
existential	<code>\044</code>	\exists
suchthat	<code>\047</code>	\ni
therefore	<code>\134</code>	\therefore
perpendicular	<code>\136</code>	\perp
circlemultiply	<code>\304</code>	\otimes
circleplus	<code>\305</code>	\oplus
emptyset	<code>\306</code>	\emptyset
angle	<code>\320</code>	\angle
leftangle	<code>\341</code>	\langle
rightangle	<code>\361</code>	\rangle

1:10



help("recordGraphics")