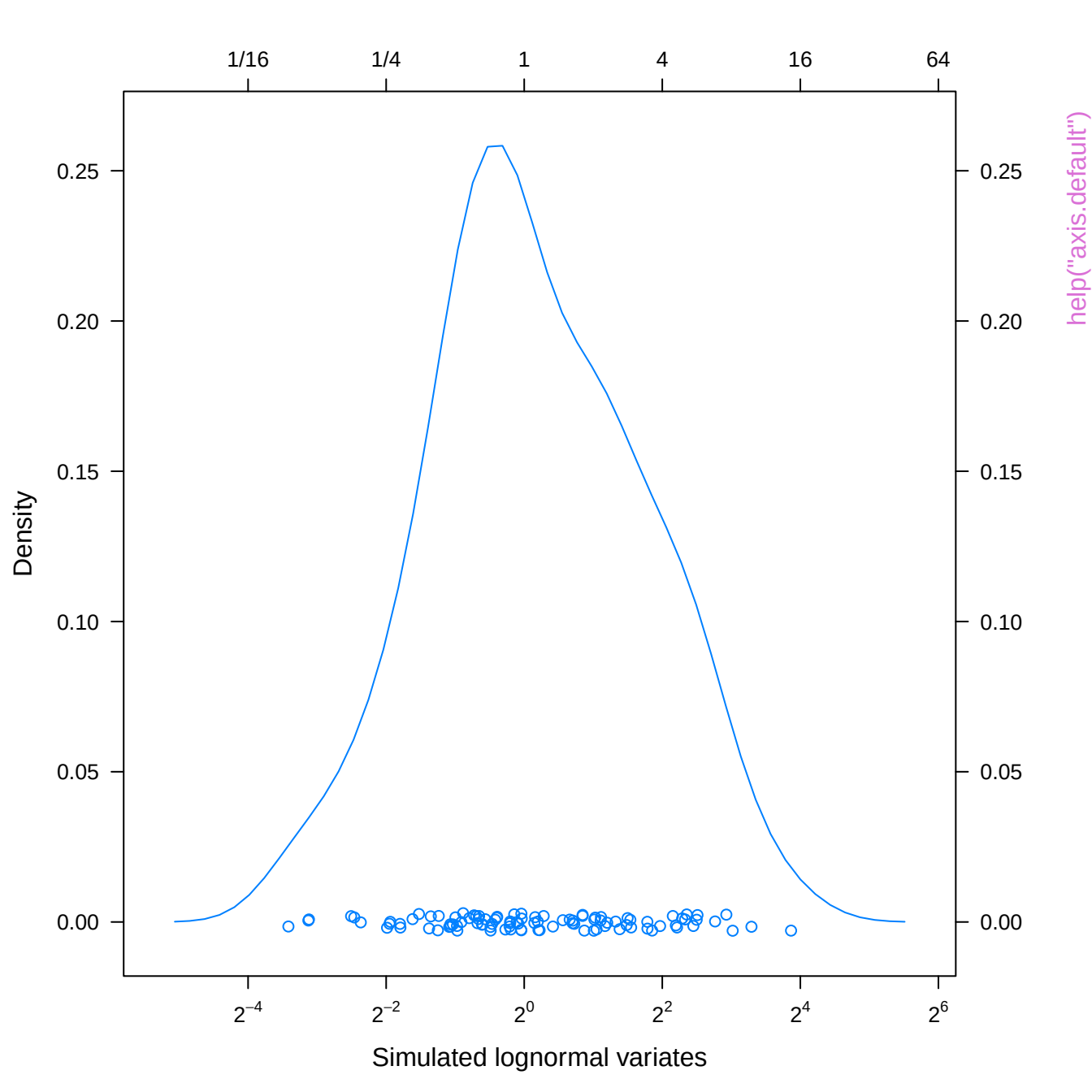
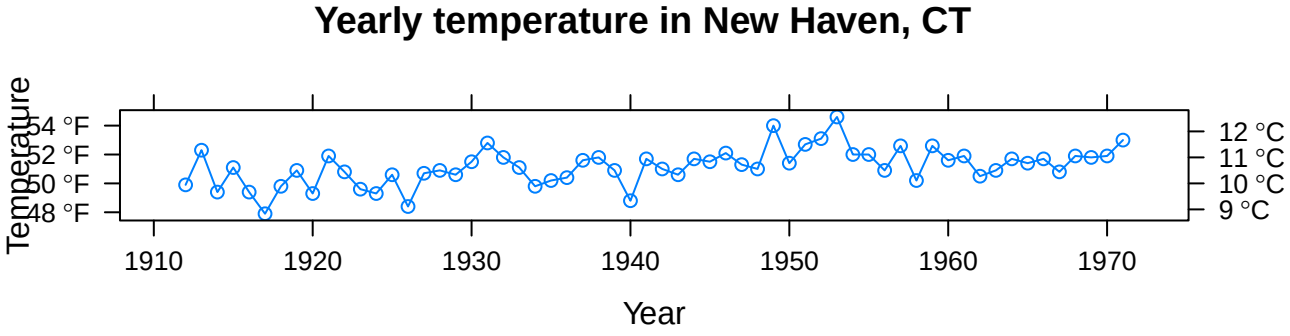
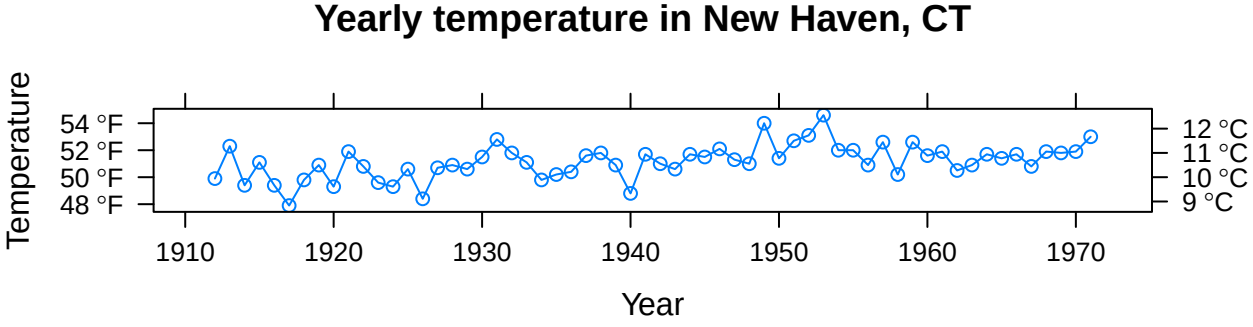
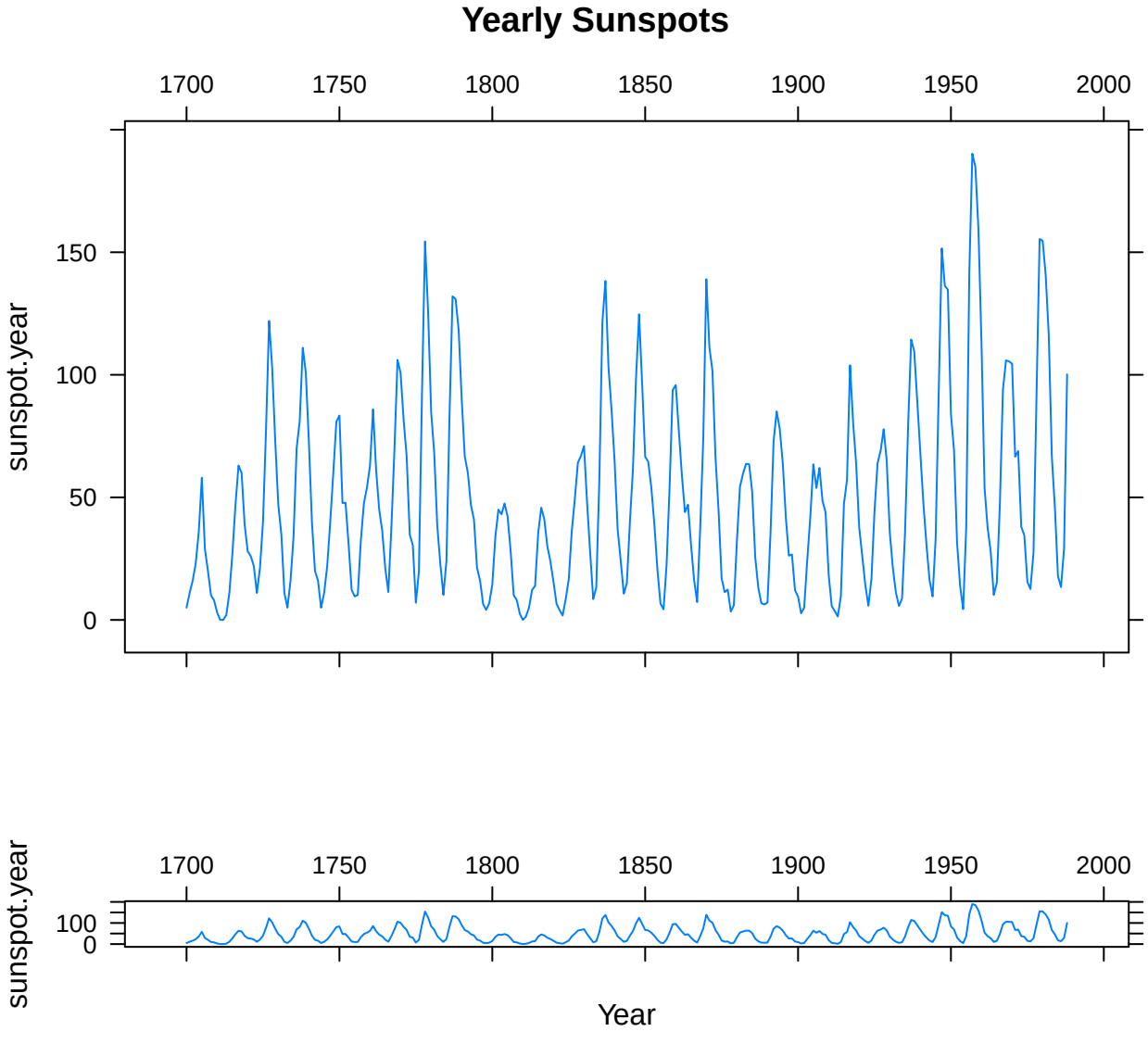

1/16
1/4
1
4
16
64
0.25
0.20
0.15
0.10
0.05
0.00
Density
2^{-4}
2^{-2}
2^{0}
2^{2}
2^{4}
2^{6}
Simulated lognormal variates
help("axis.default")

help("axis.default")

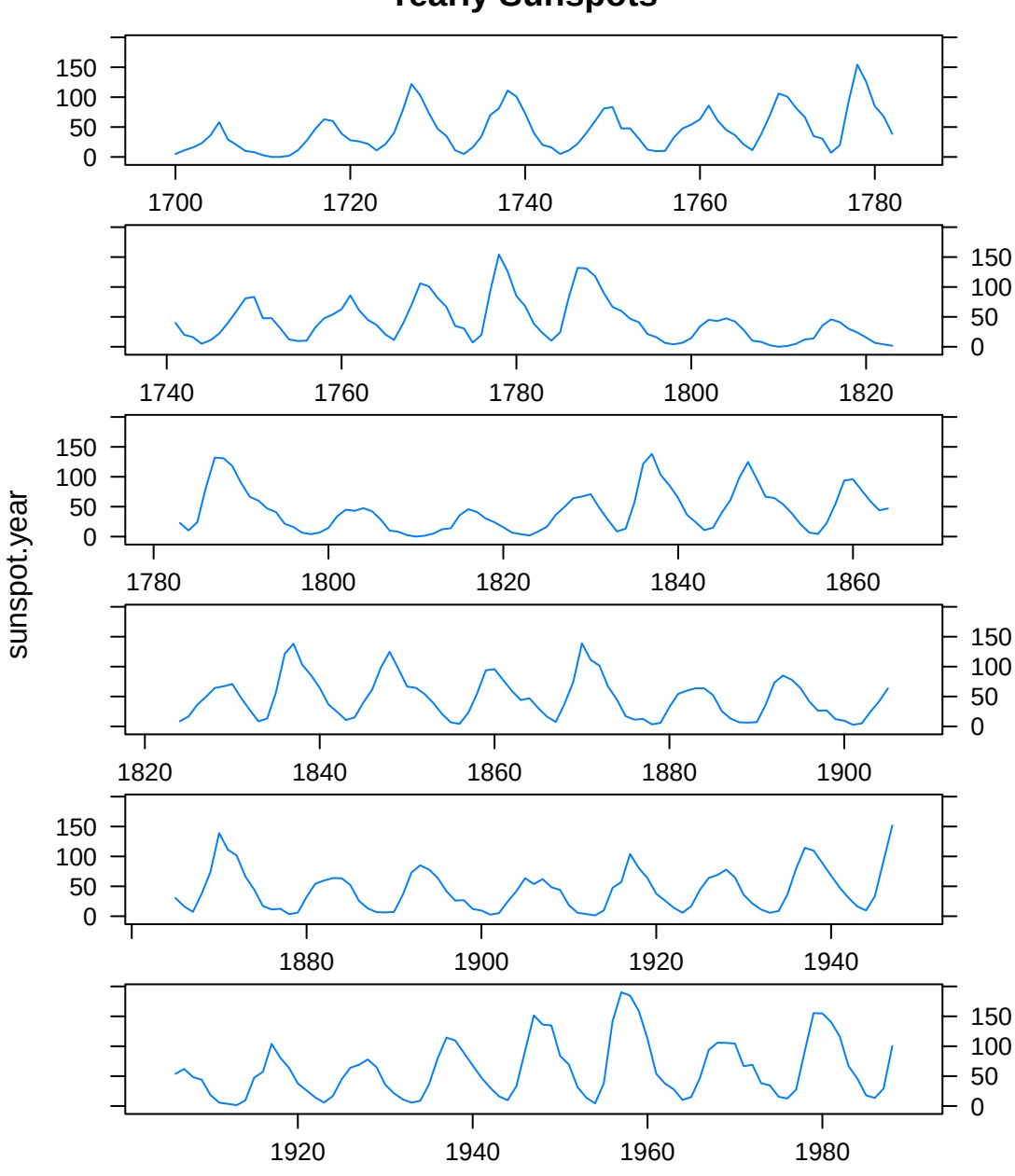


help("axis.default")

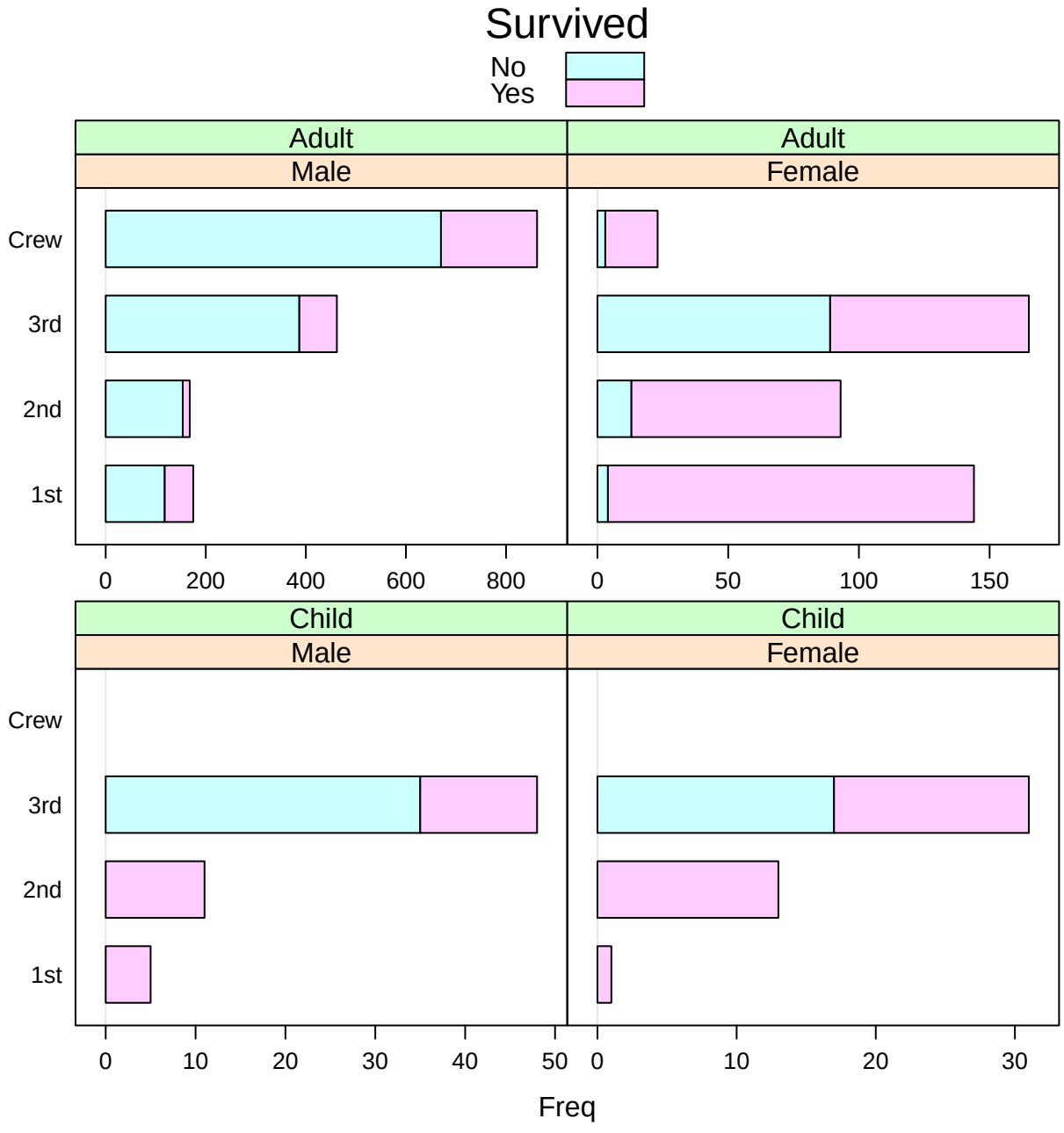




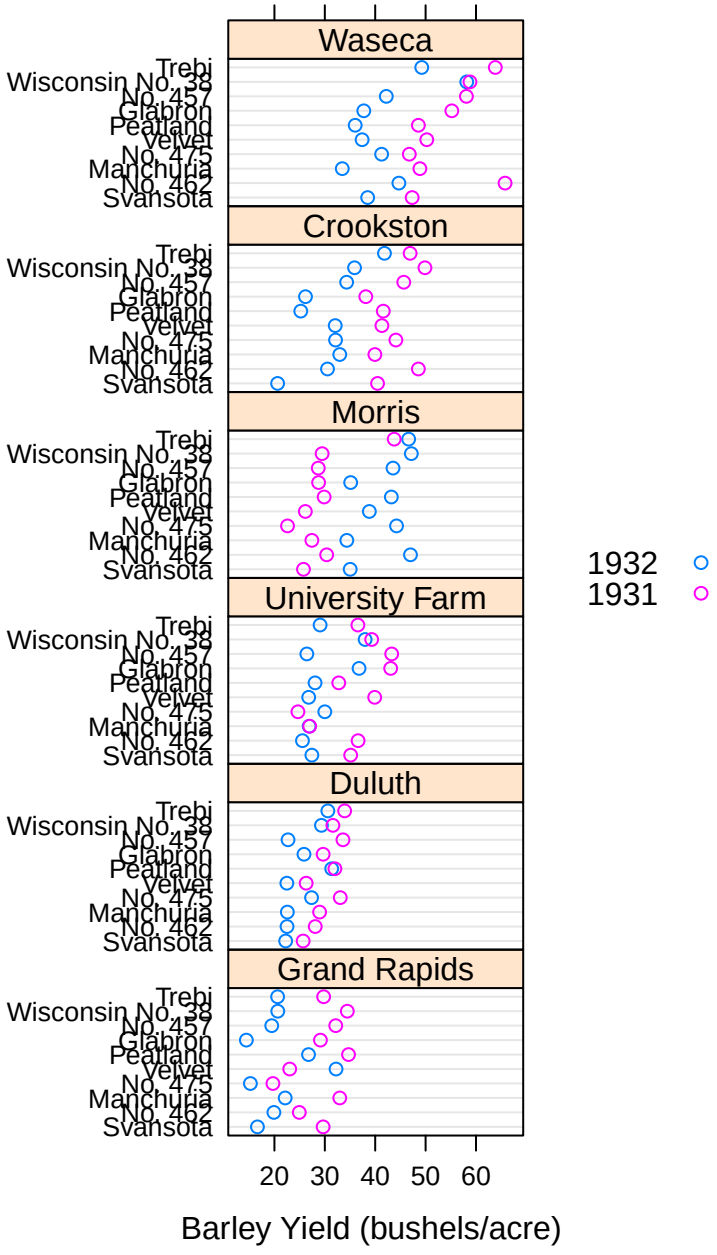
help("banking")

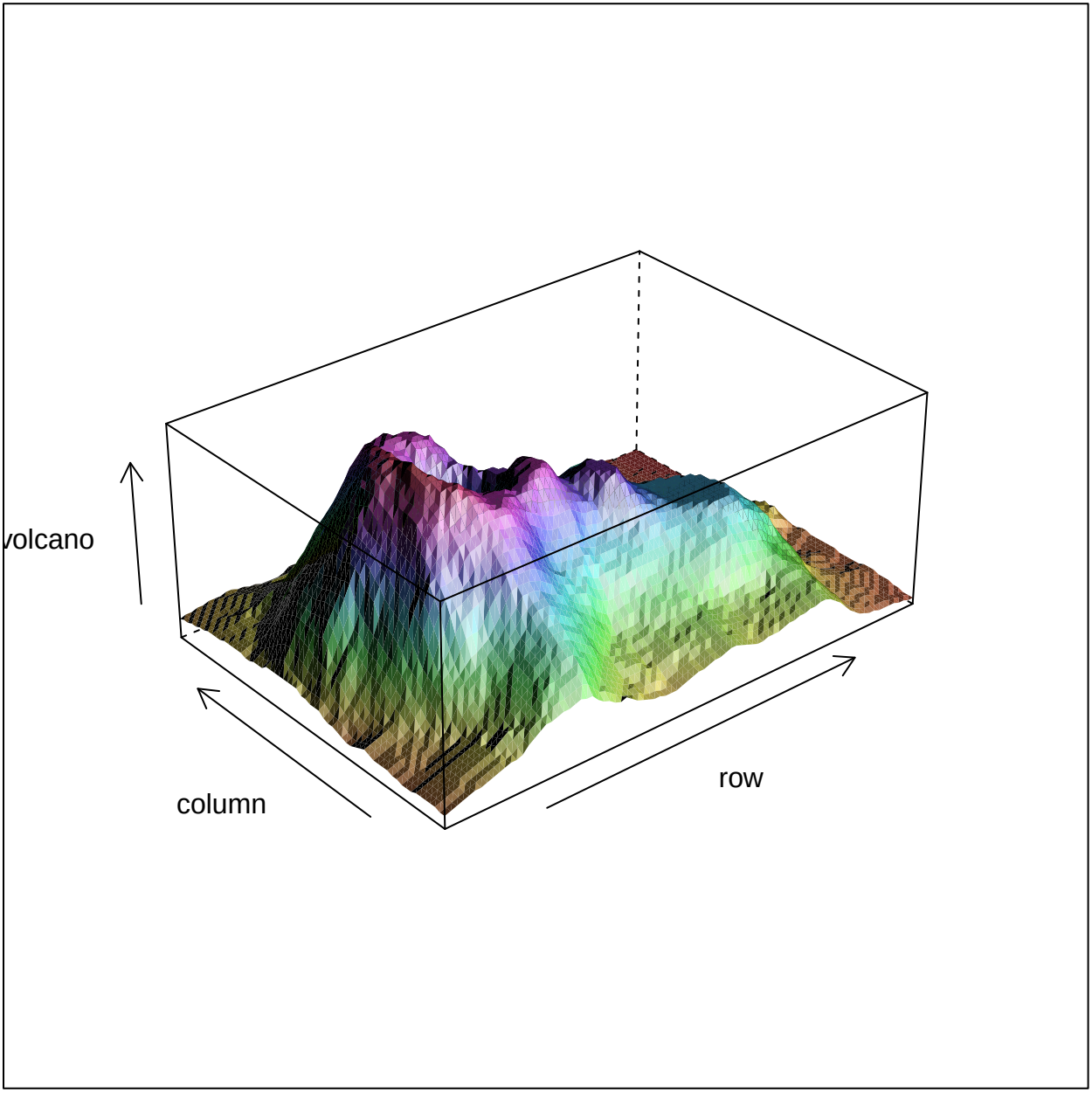


help("banking")

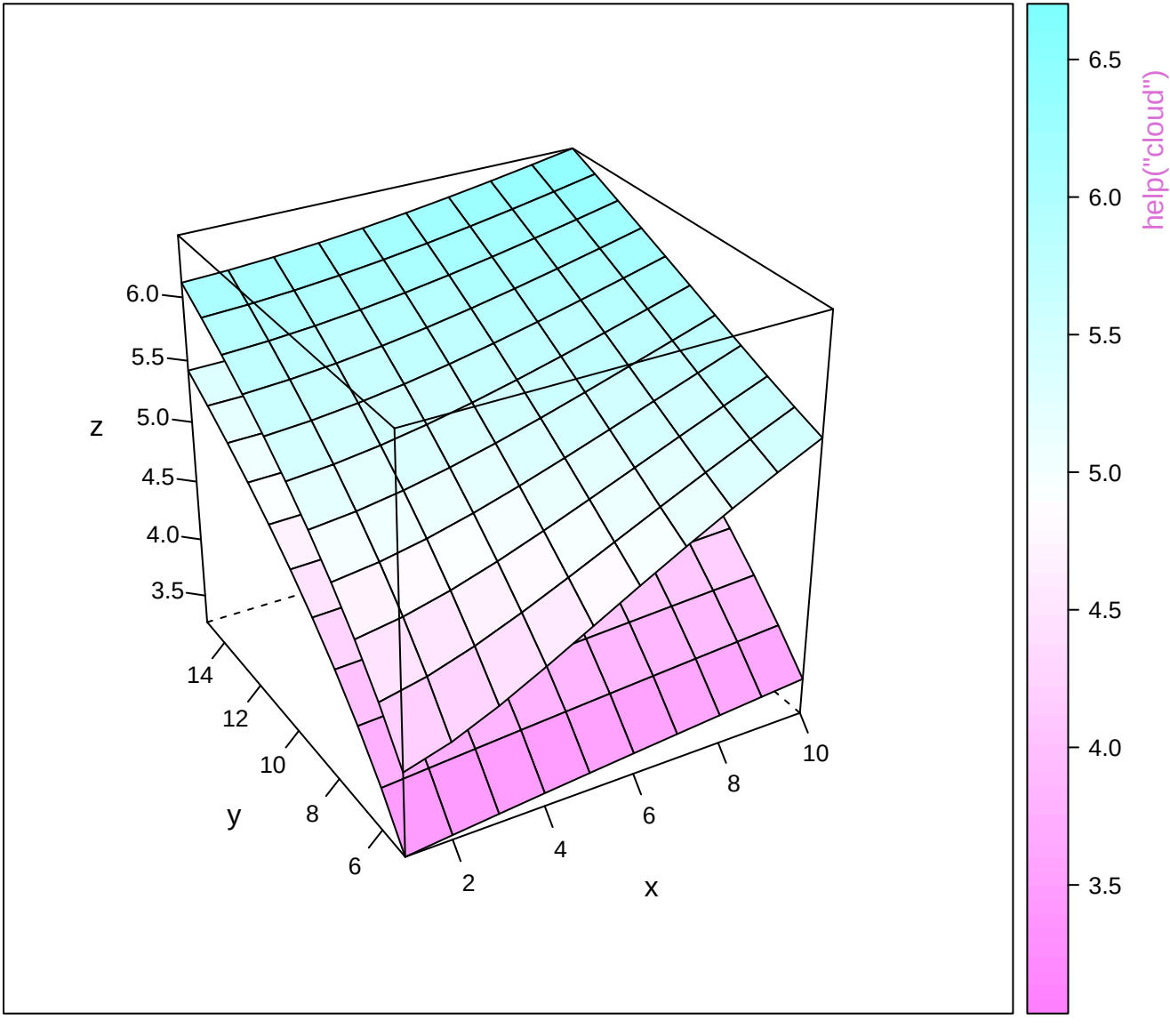


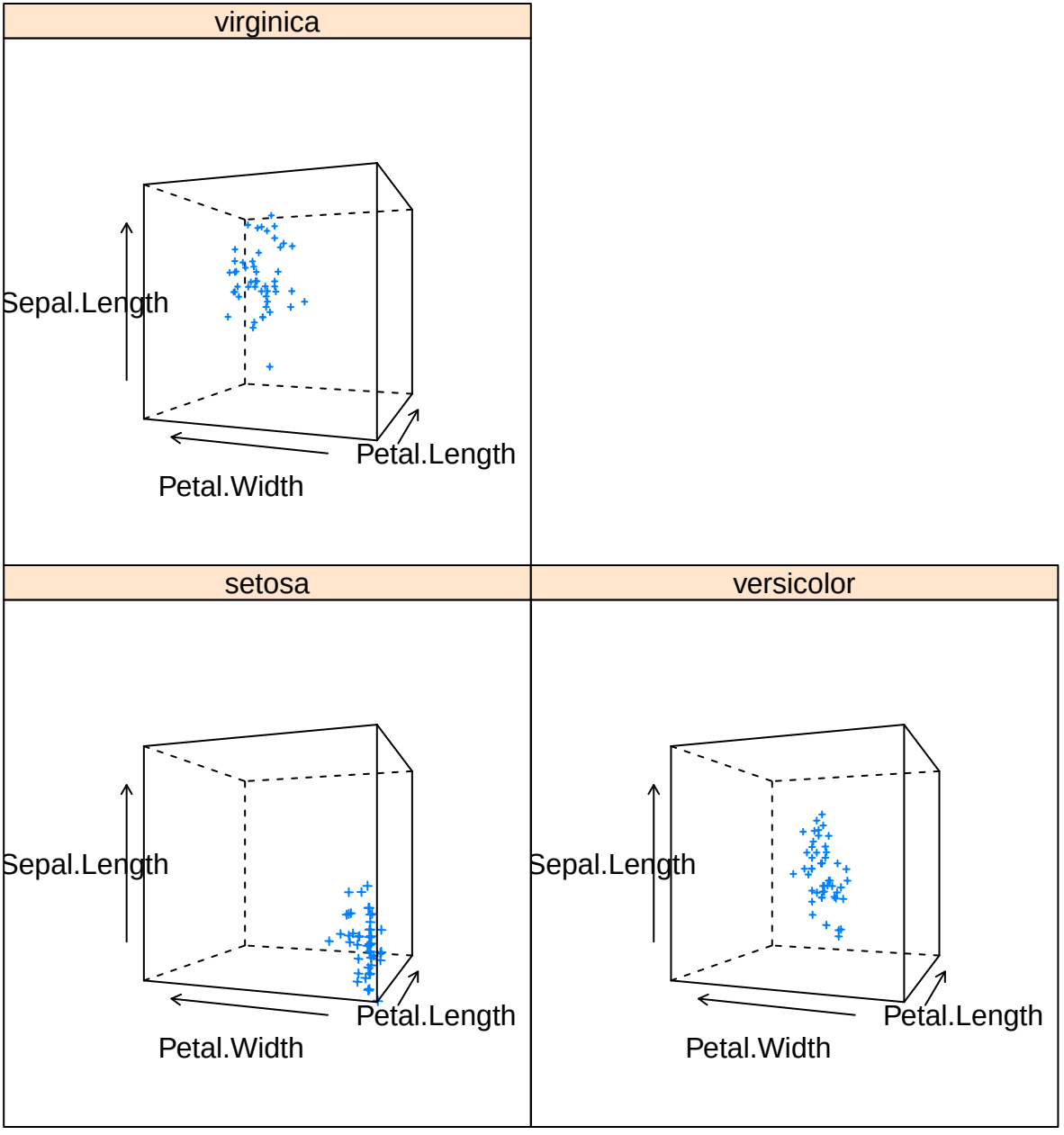
help("barchart.table")


Waseca
Crookston
Morris
University Farm
Duluth
Grand Rapids
Trebi
Wisconsin No. 38
No. 457
Glabron
Peatland
Velvet
No. 475
Manchuria
No. 462
Svansota
20
30
40
50
60
Barley Yield (bushels/acre)
1932
1931



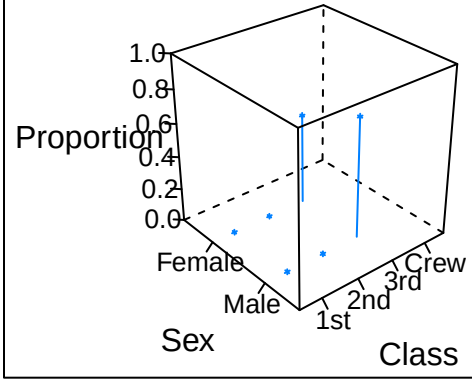
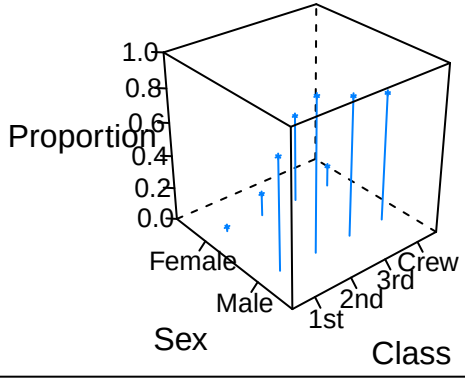
help("cloud")


z
6.0
5.5
5.0
4.5
4.0
3.5
y
14
12
10
8
6
x
2
4
6
8
10
help("cloud")
6.5
6.0
5.5
5.0
4.5
4.0
3.5

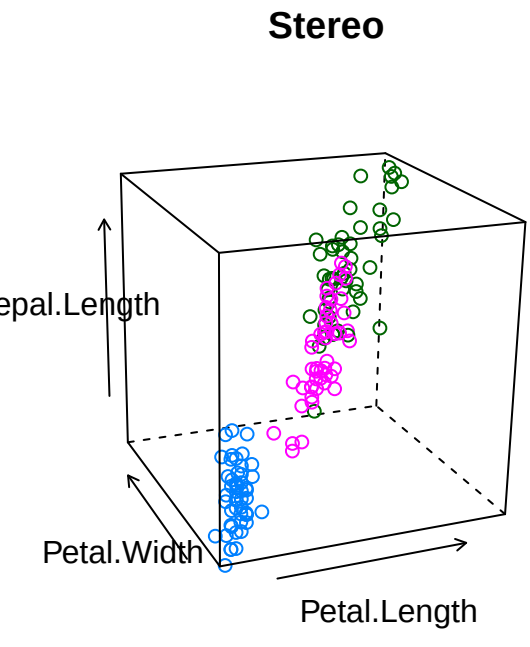

virginica
Sepal.Length
Petal.Length
Petal.Width
setosa
Sepal.Length
Petal.Length
Petal.Width
versicolor
Sepal.Length
Petal.Length
Petal.Width

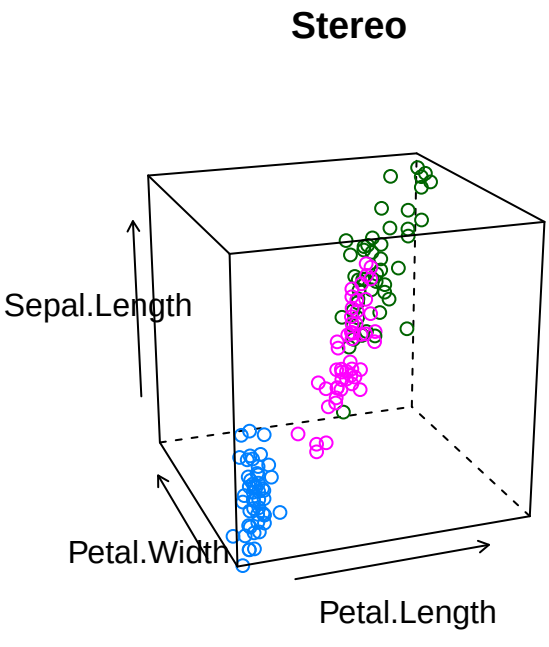
help("cloud")

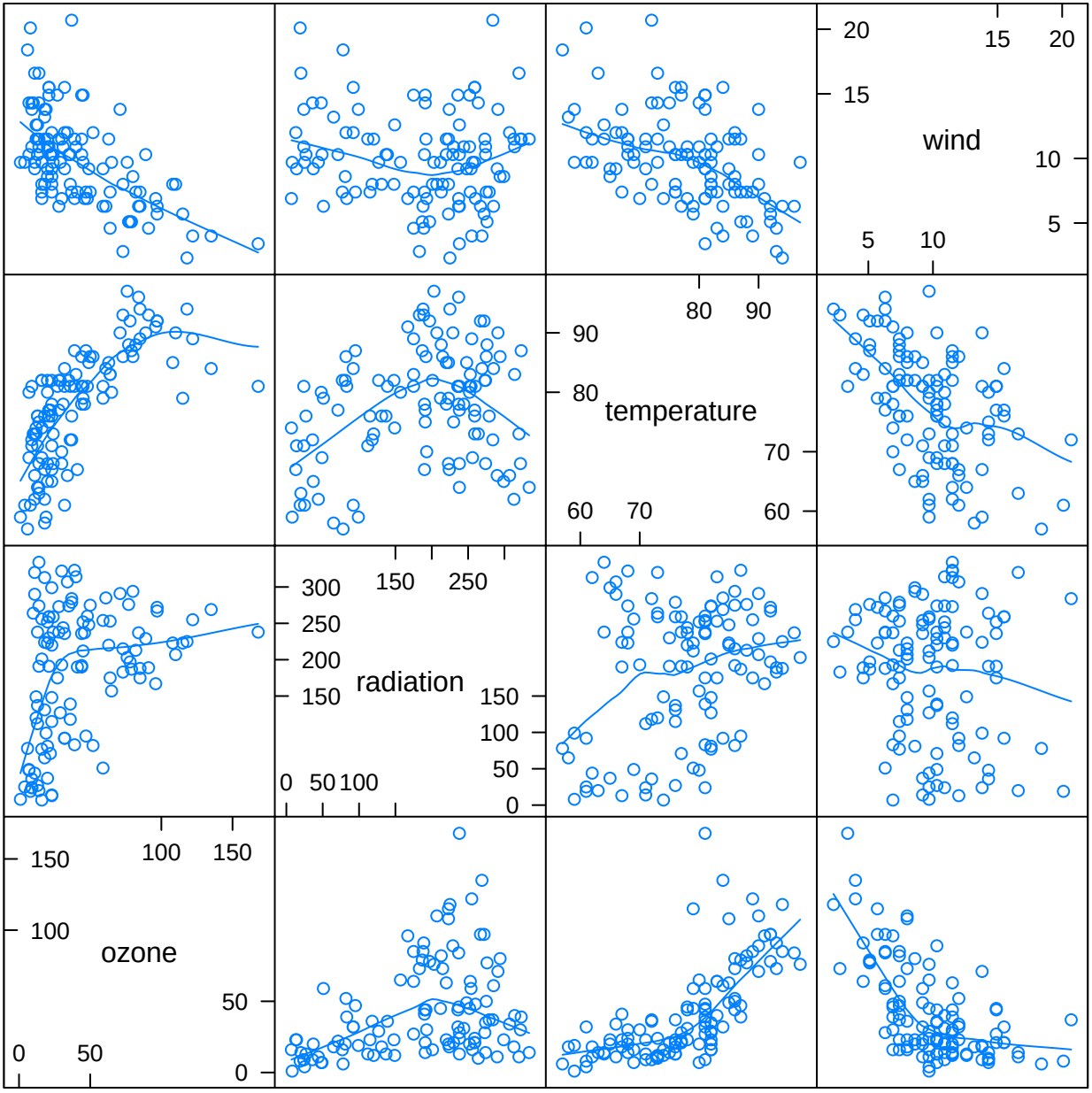
help("cloud")

Survived : No	Survived : No
Age : Child	Age : Adult
	

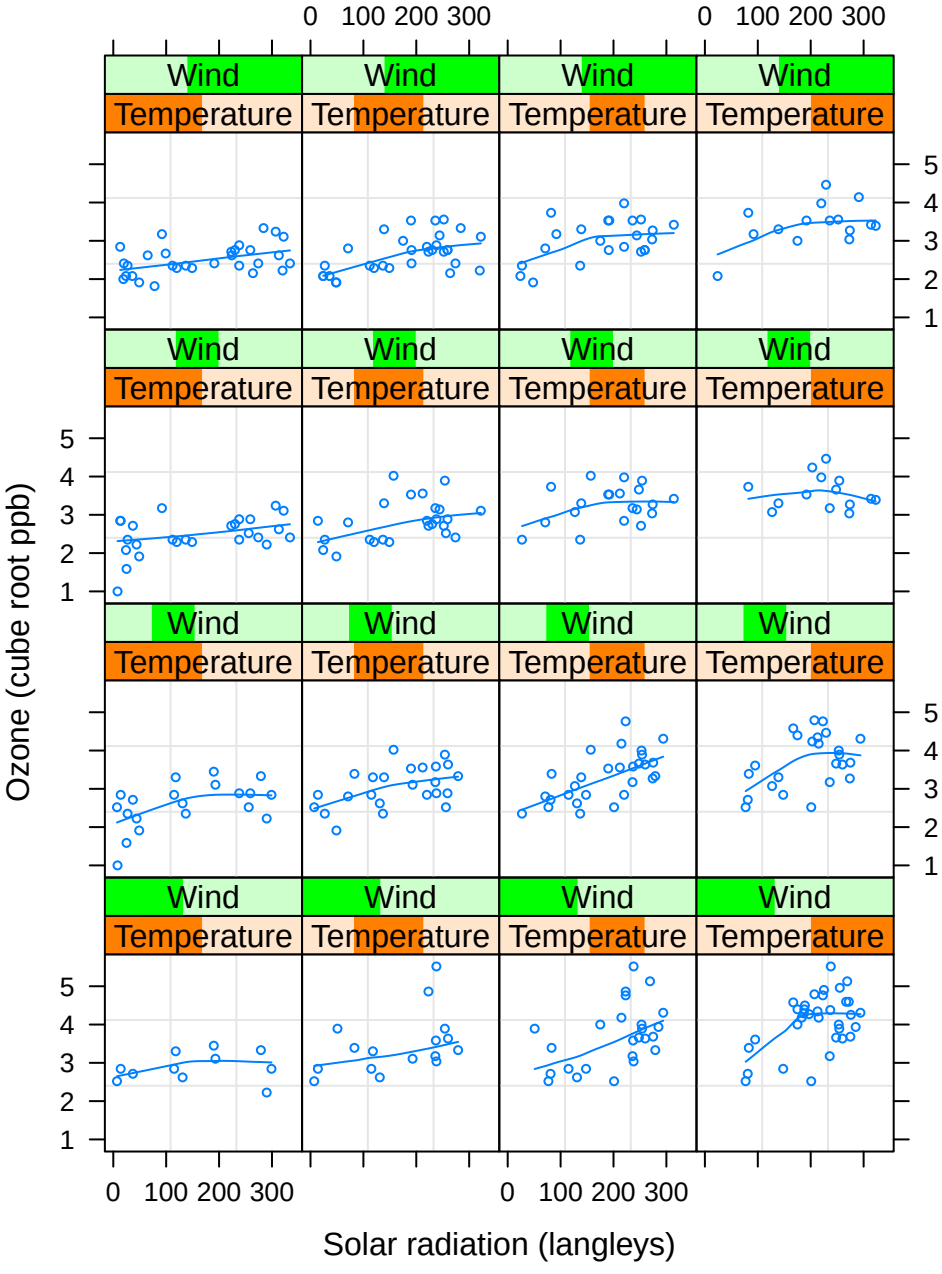
help("cloud")


Stereo
epal.Length
Petal.Width
Petal.Length

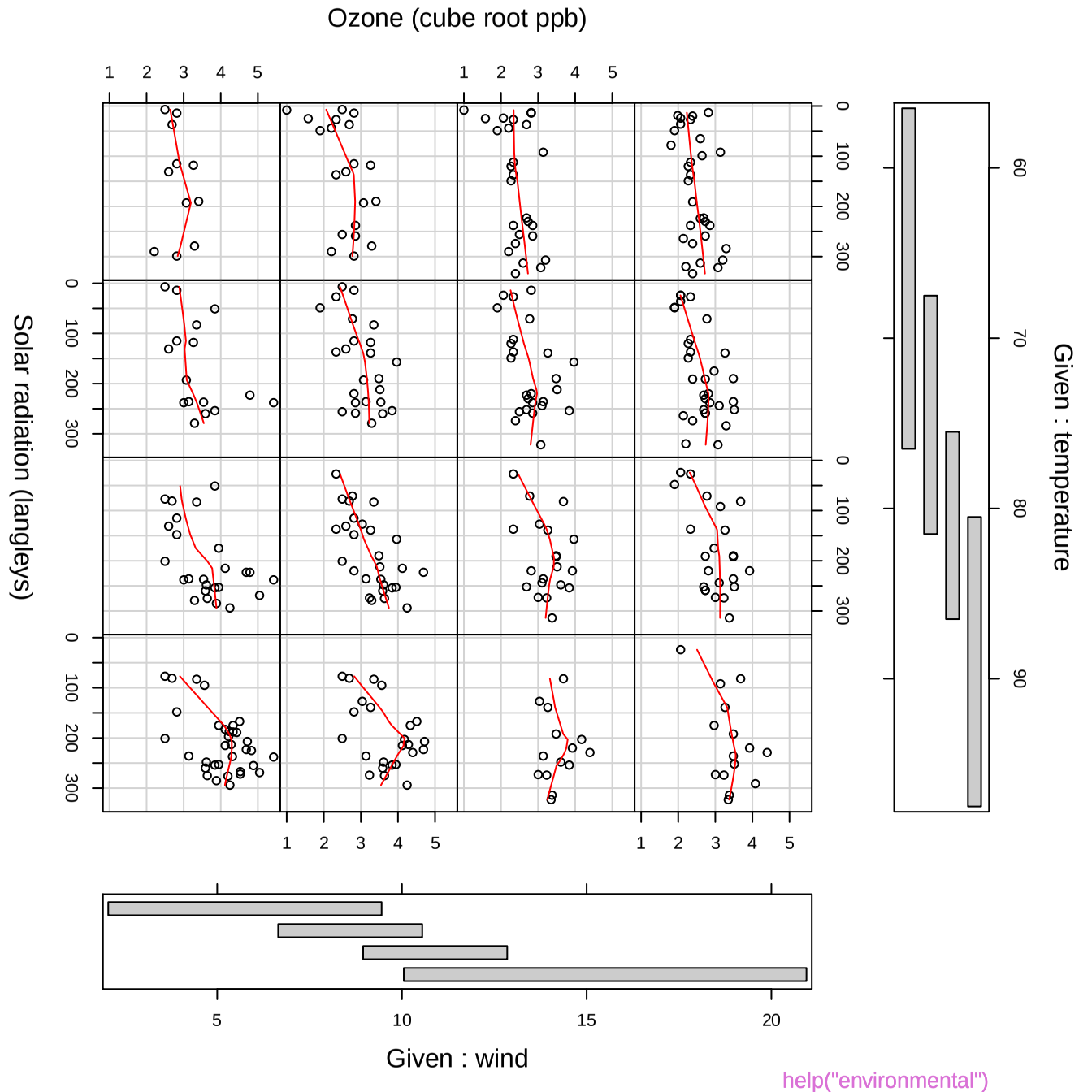

Stereo
Sepal.Length
Petal.Width
Petal.Length

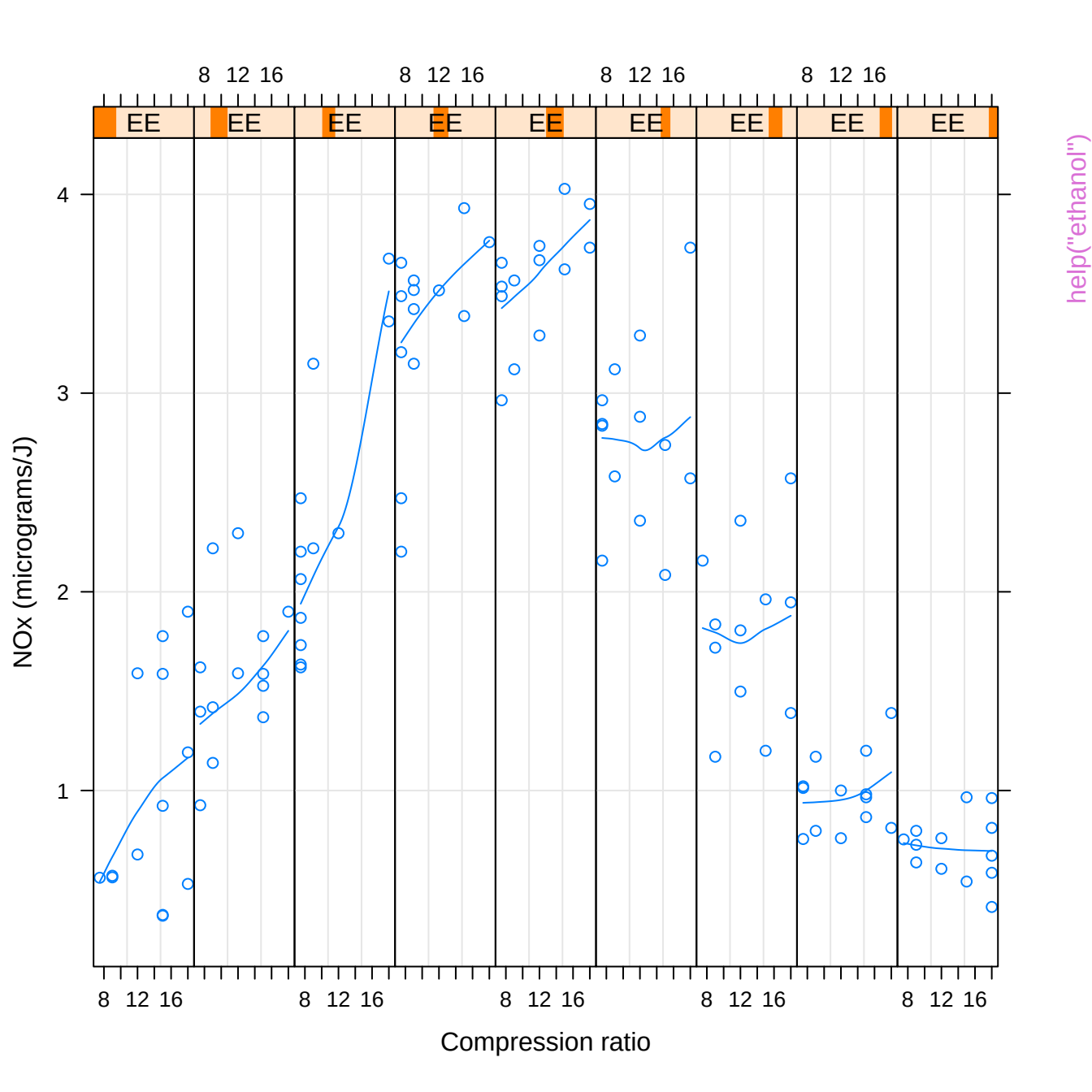


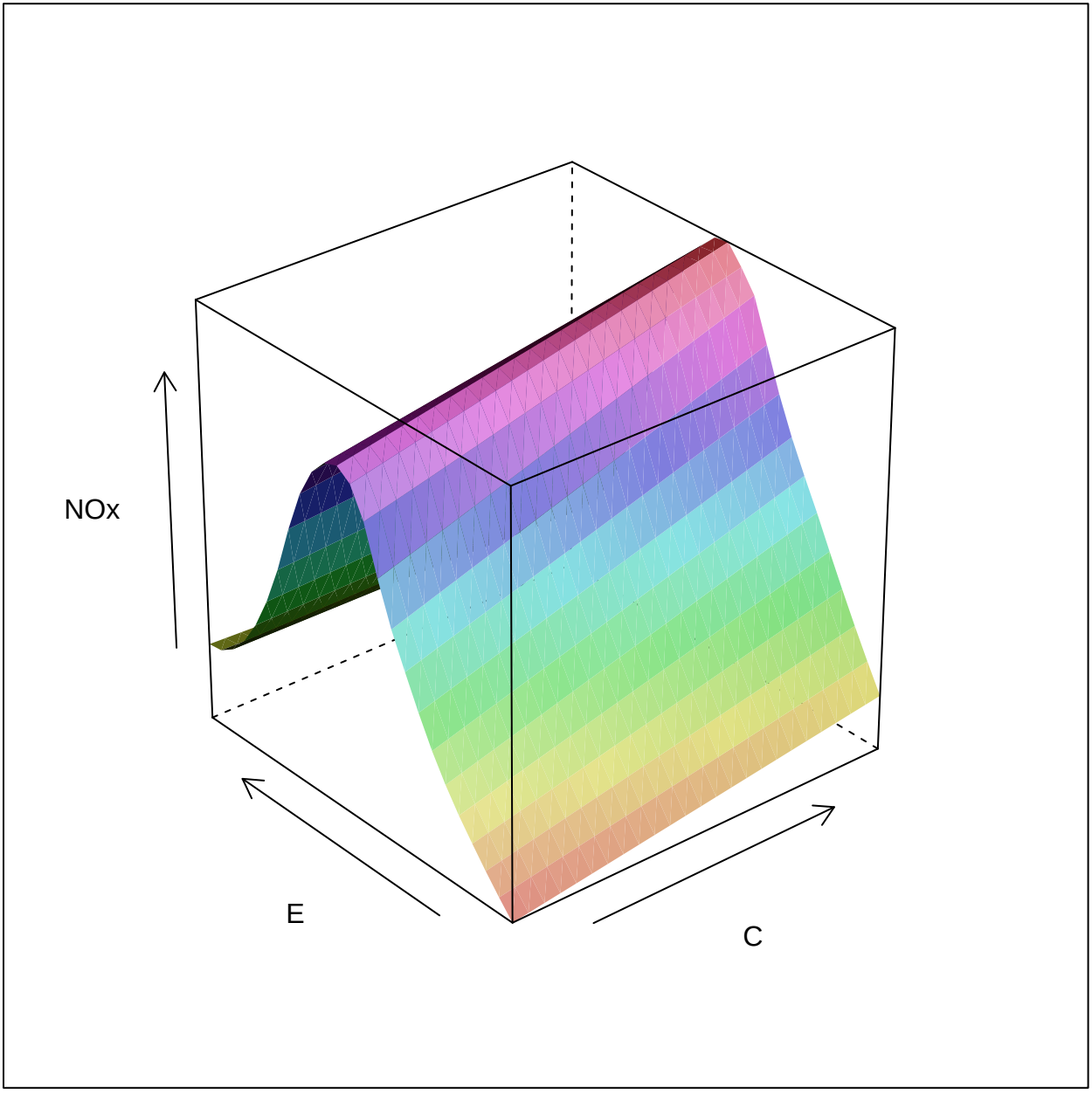
help("environmental")



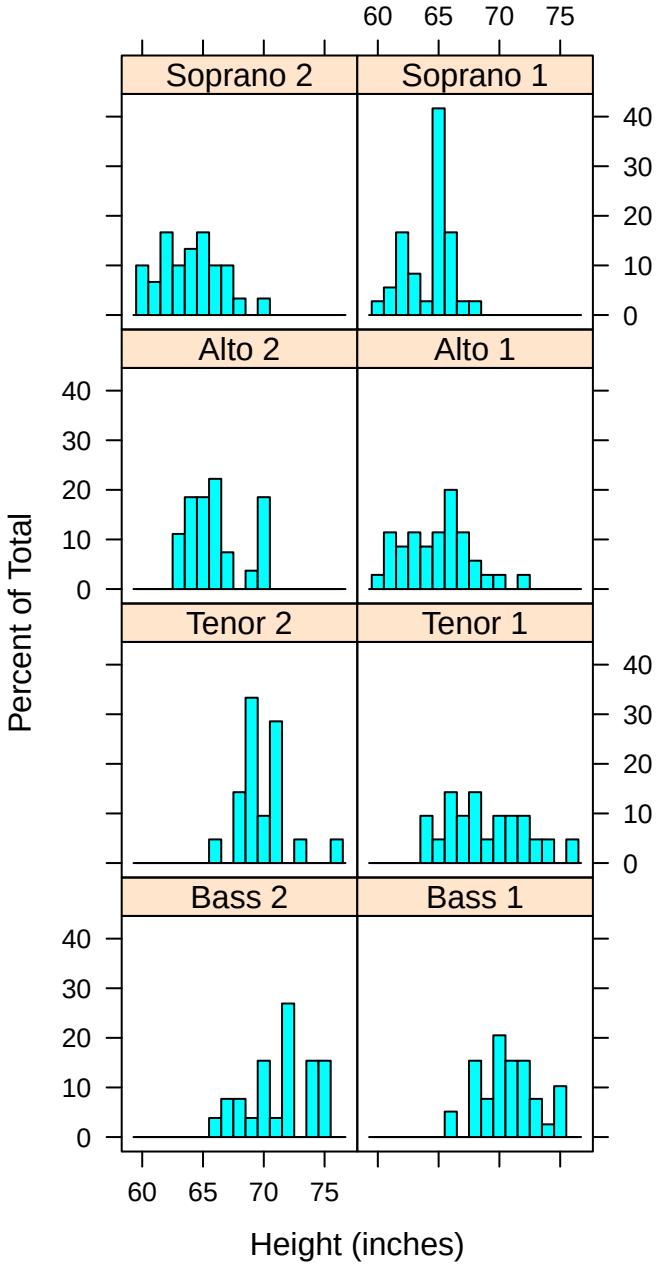
help("environmental")


Ozone (cube root ppb)
Solar radiation (langleys)
Given : temperature
Given : wind
1 2 3 4 5
0 100 200 300
60 70 80 90
5 10 15 20
help("environmental")

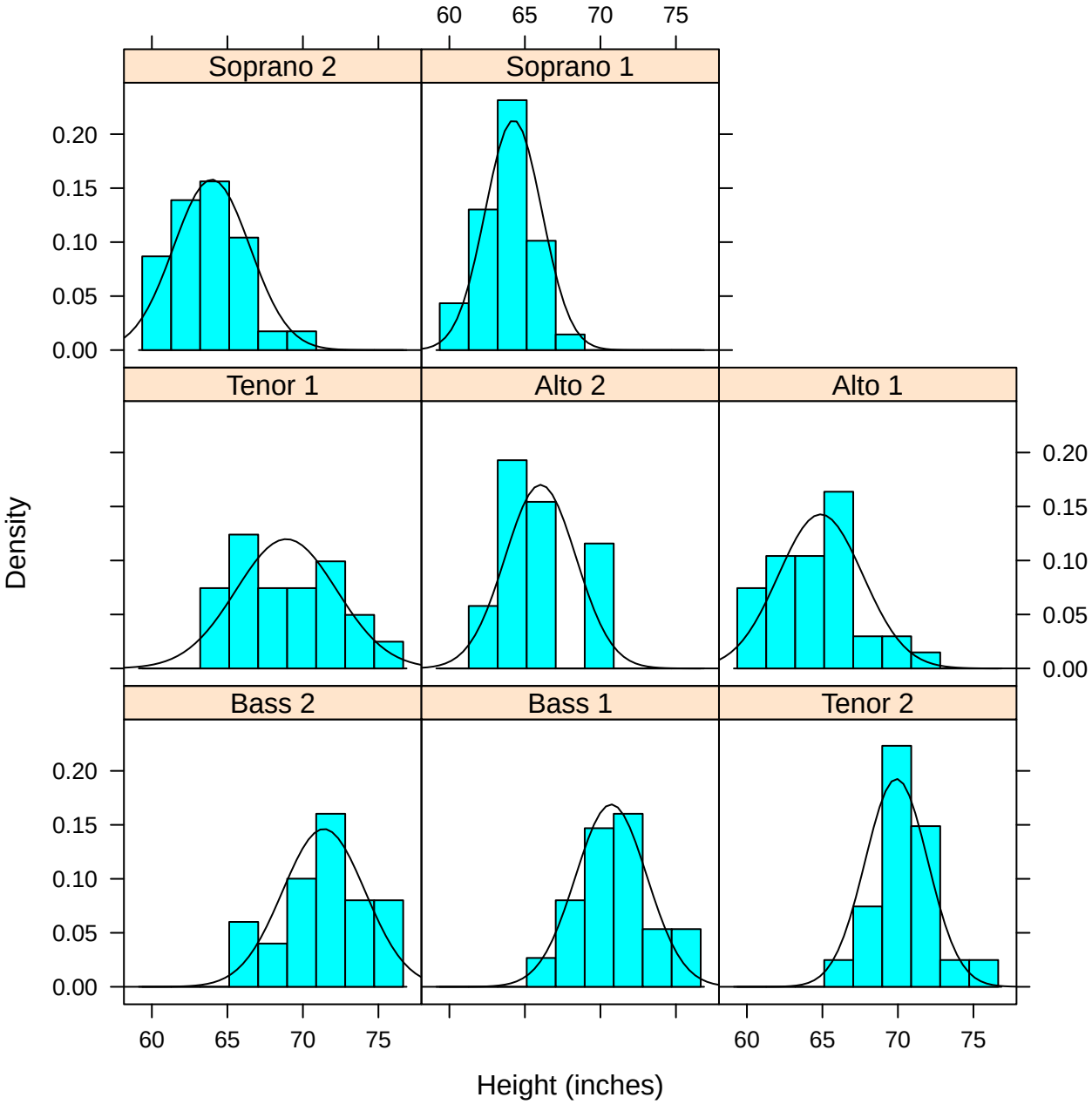

EE
EE
EE
EE
EE
EE
EE
EE
EE
8 12 16
NOx (micrograms/J)
1
2
3
4
Compression ratio
help("ethanol")

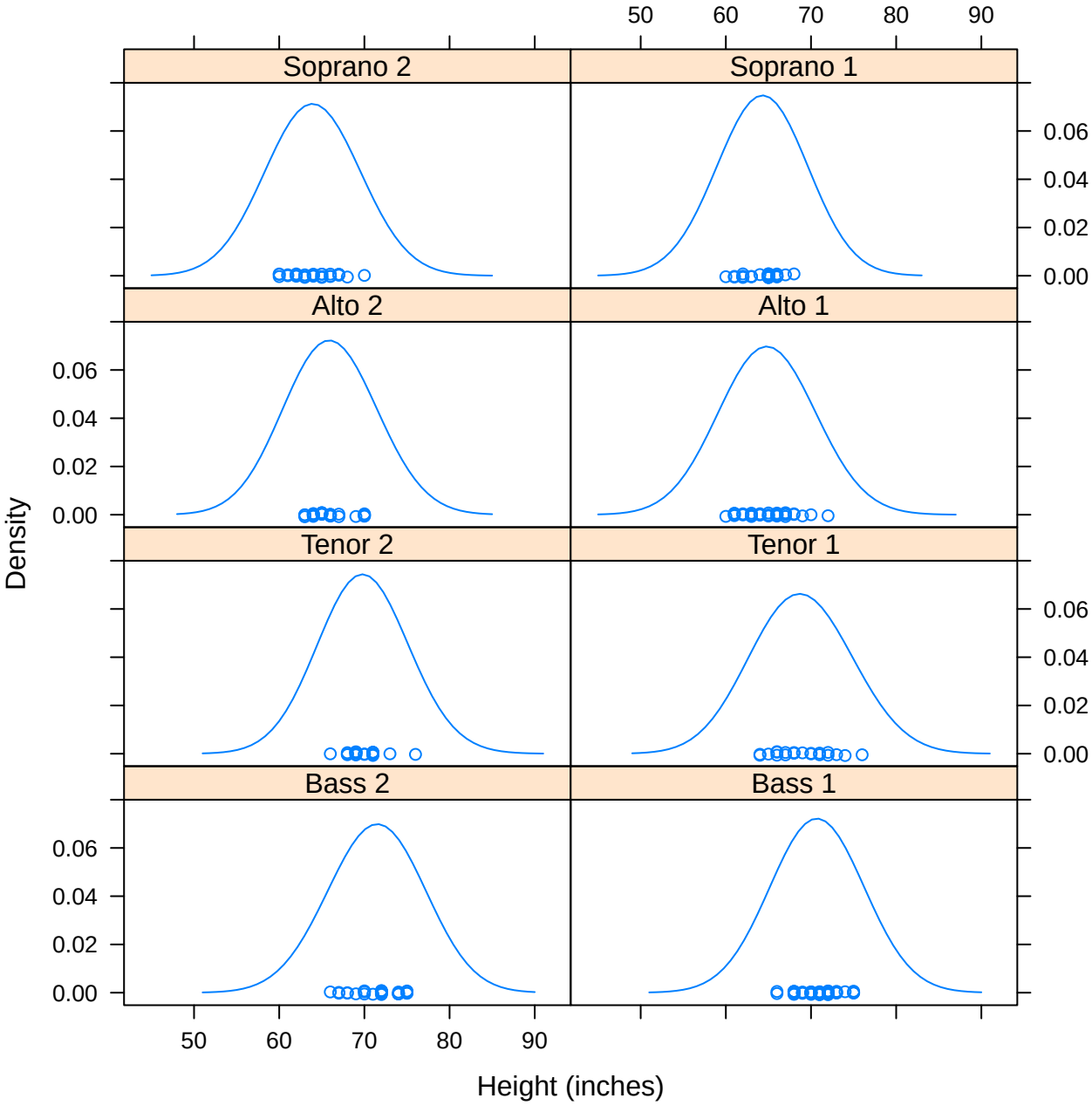


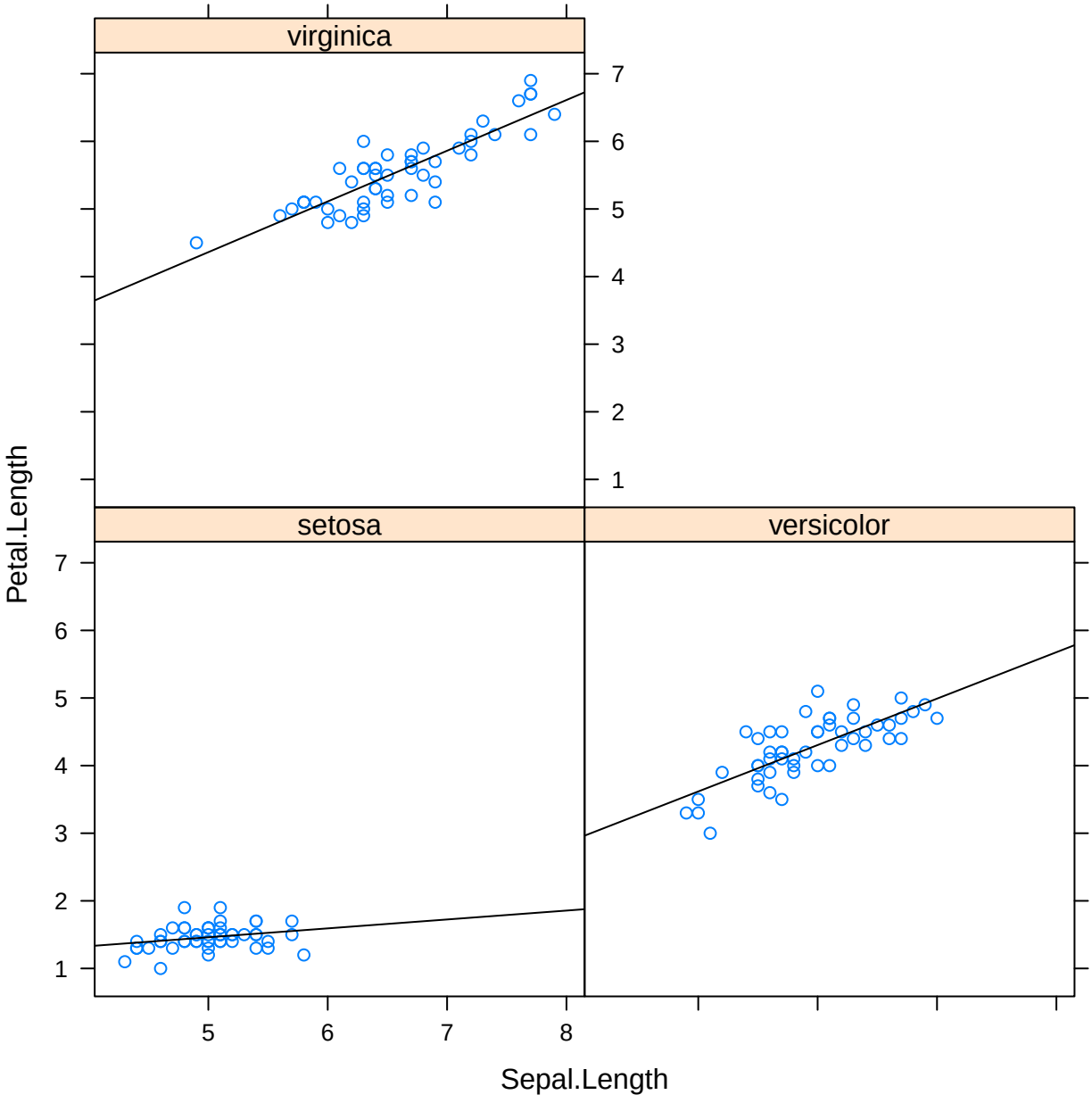
help("ethanol")



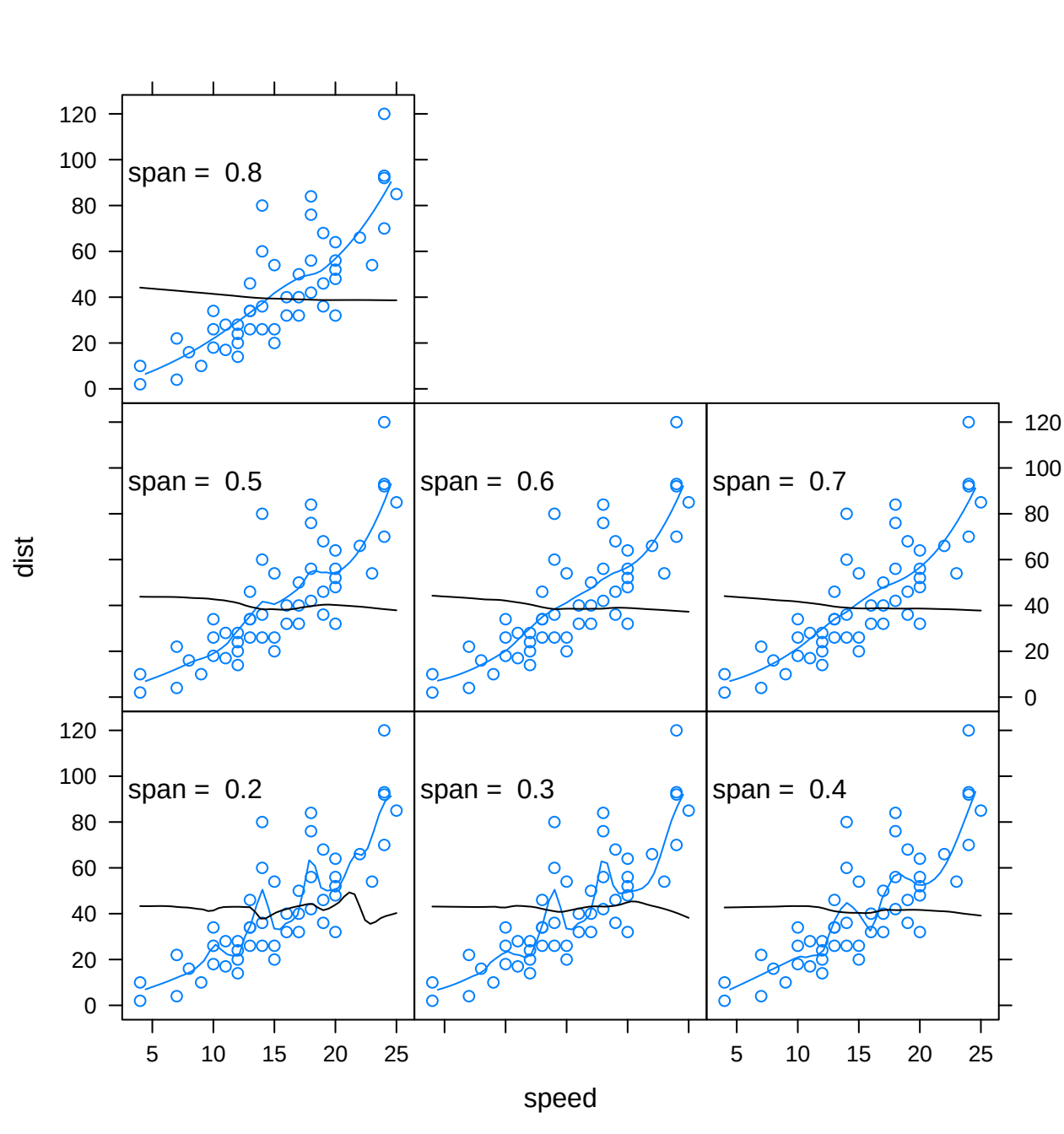
help("histogram")



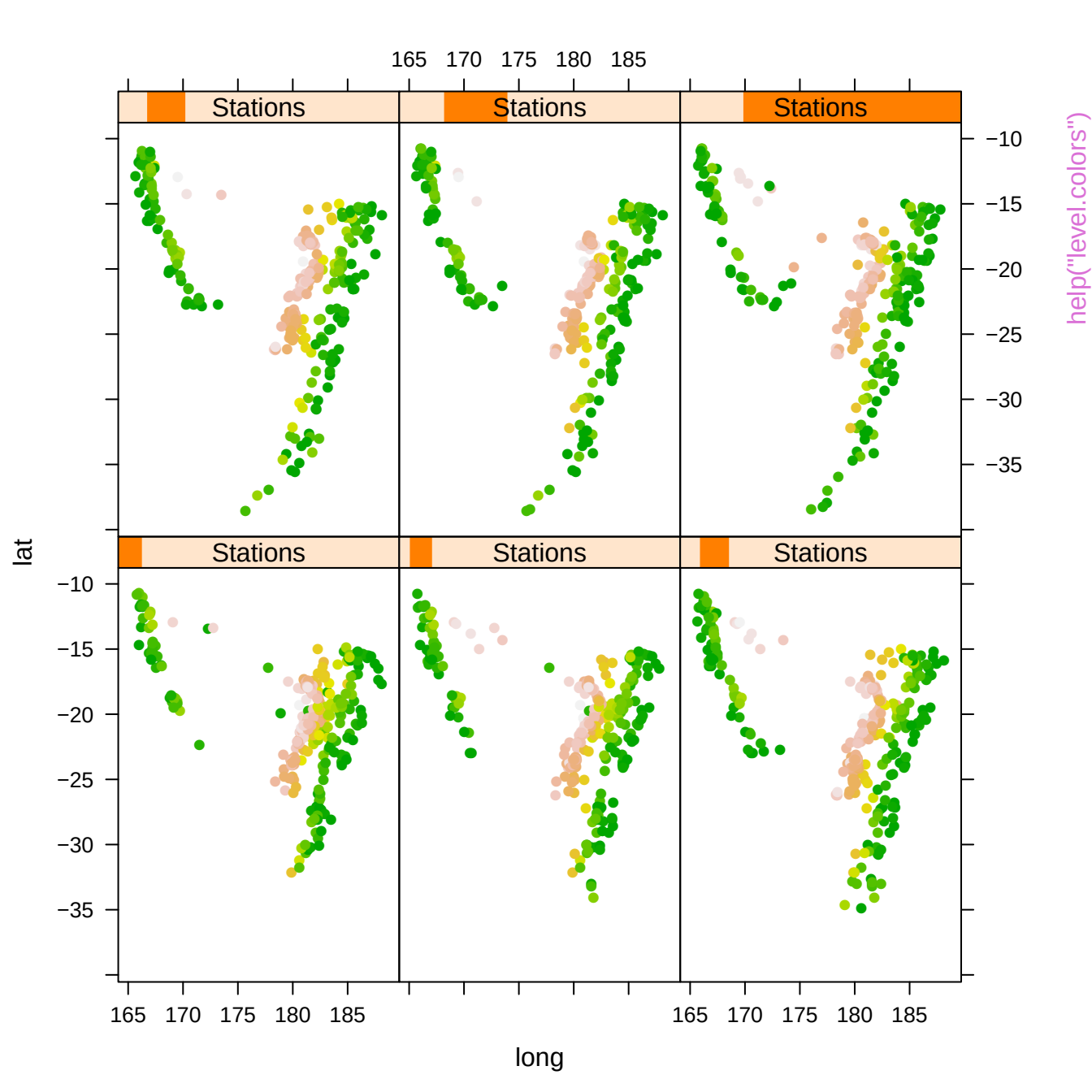

Soprano 2
Soprano 1
Alto 2
Alto 1
Tenor 2
Tenor 1
Bass 2
Bass 1
Density
Height (inches)
50
60
70
80
90
0.00
0.02
0.04
0.06
help("histogram")

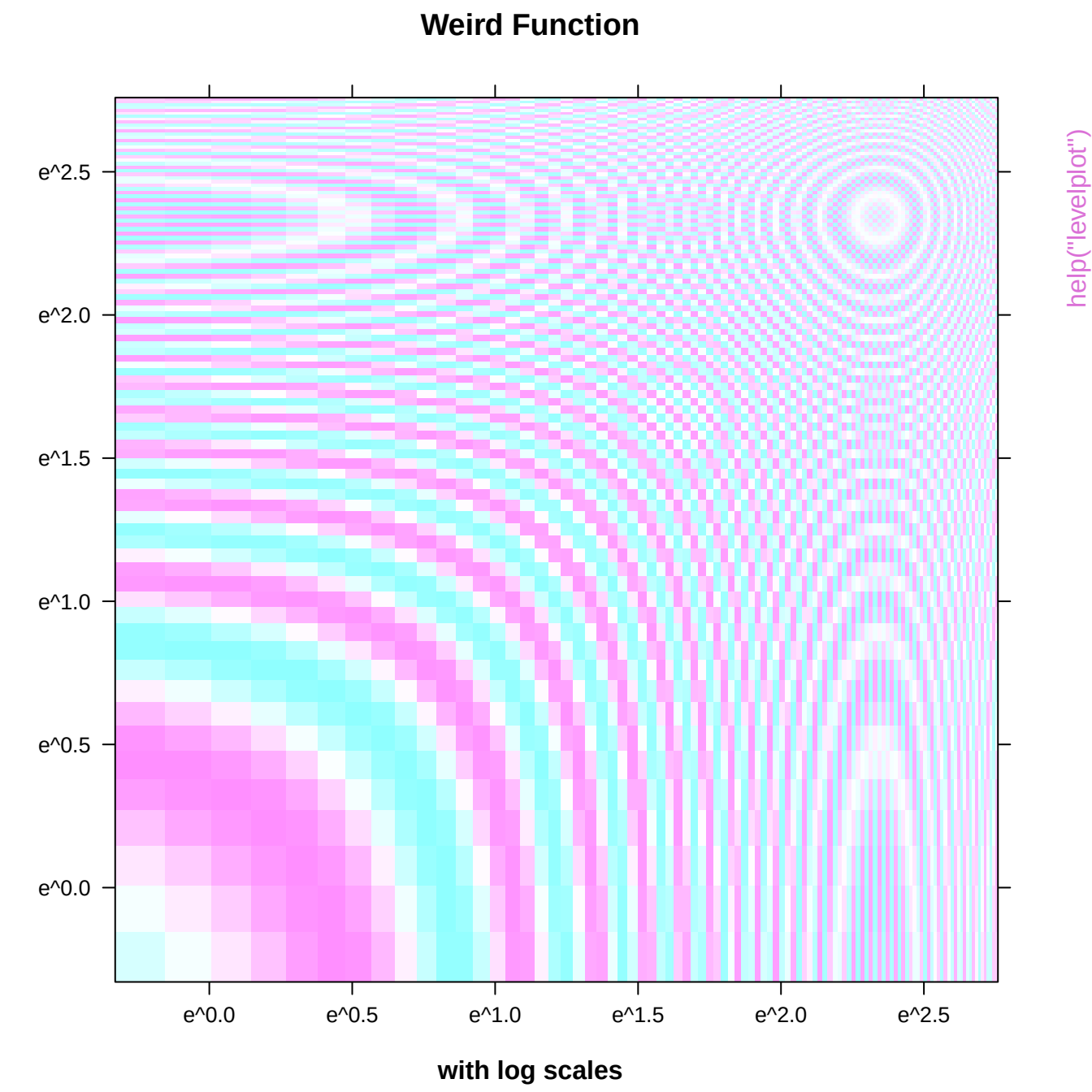


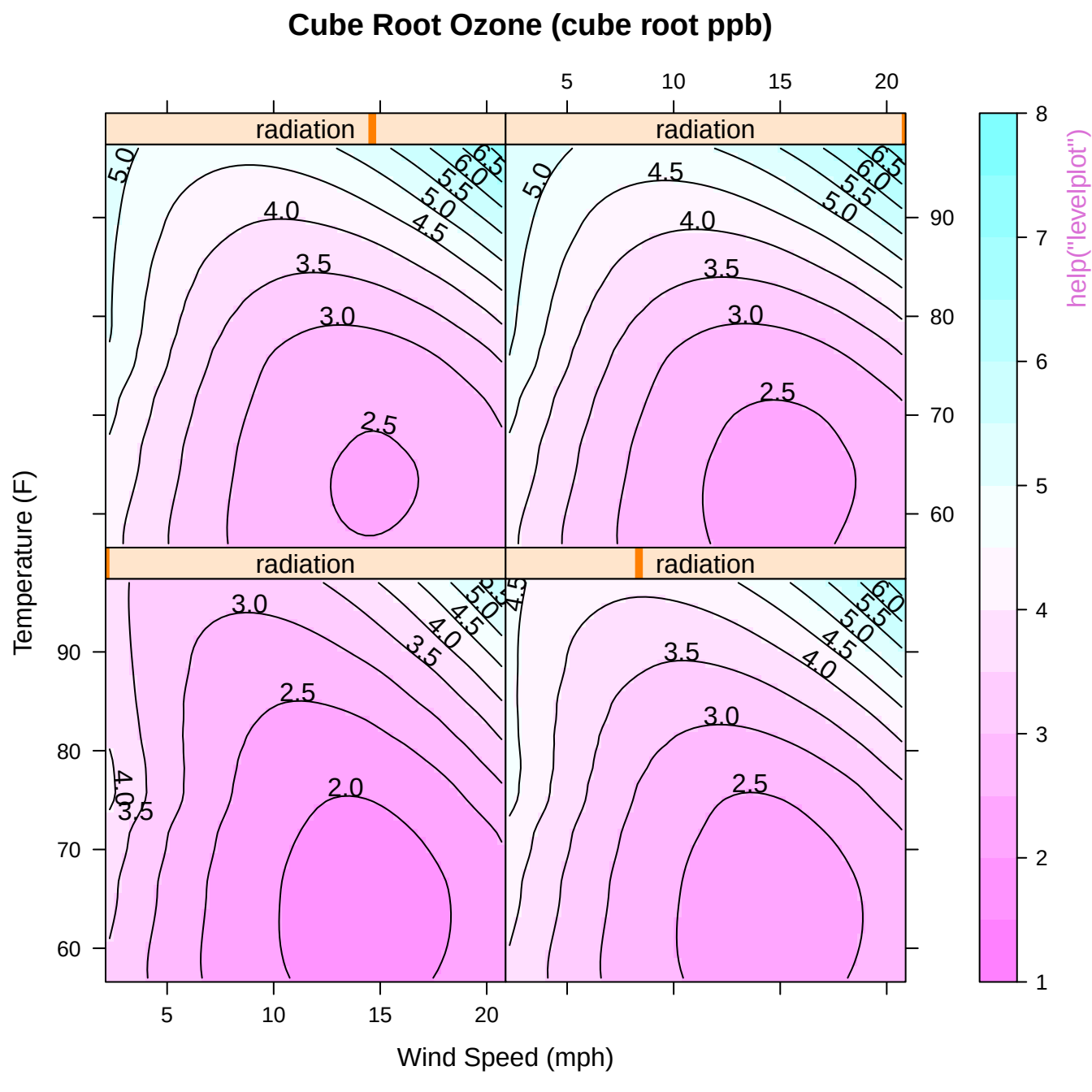
help("interaction")

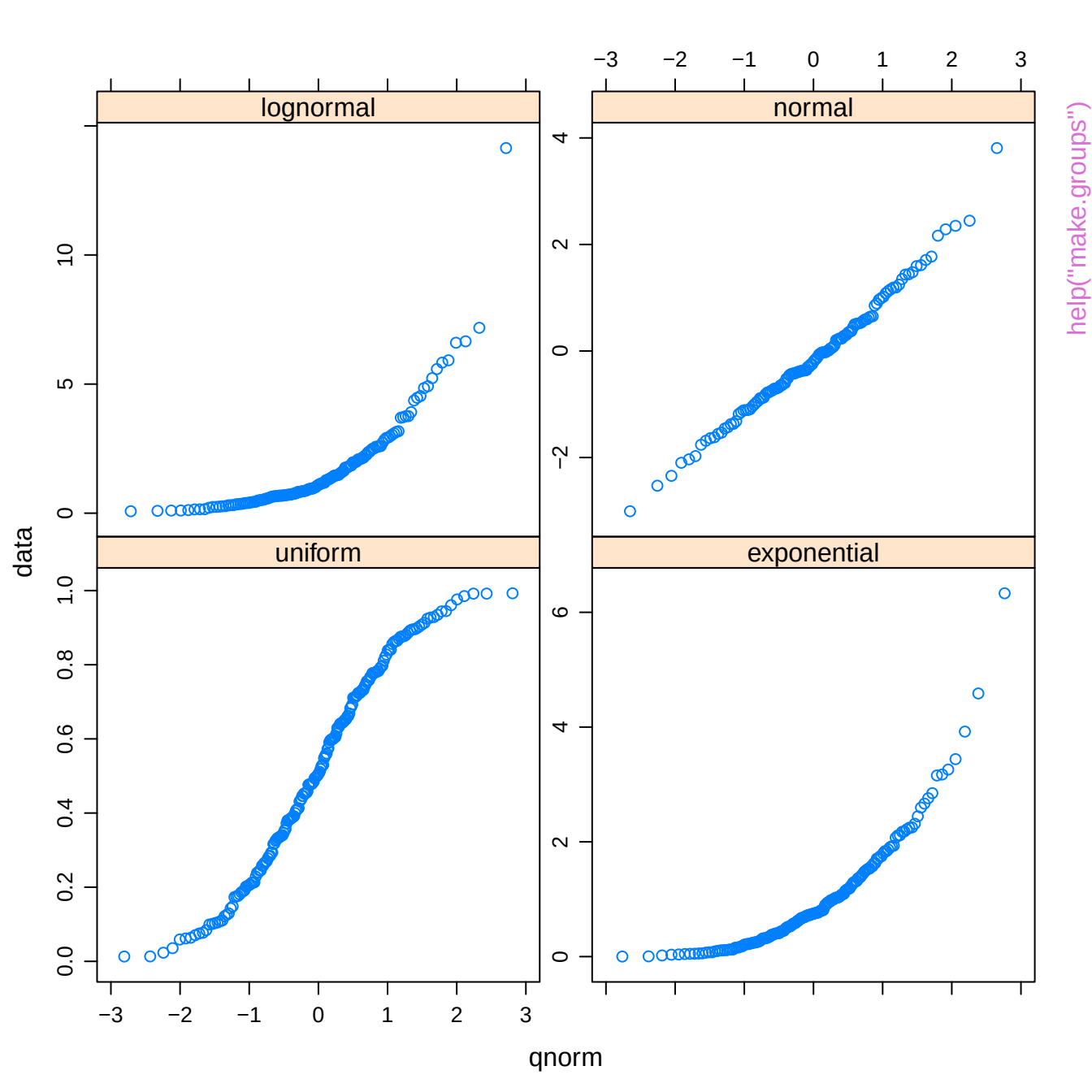


help("interaction")

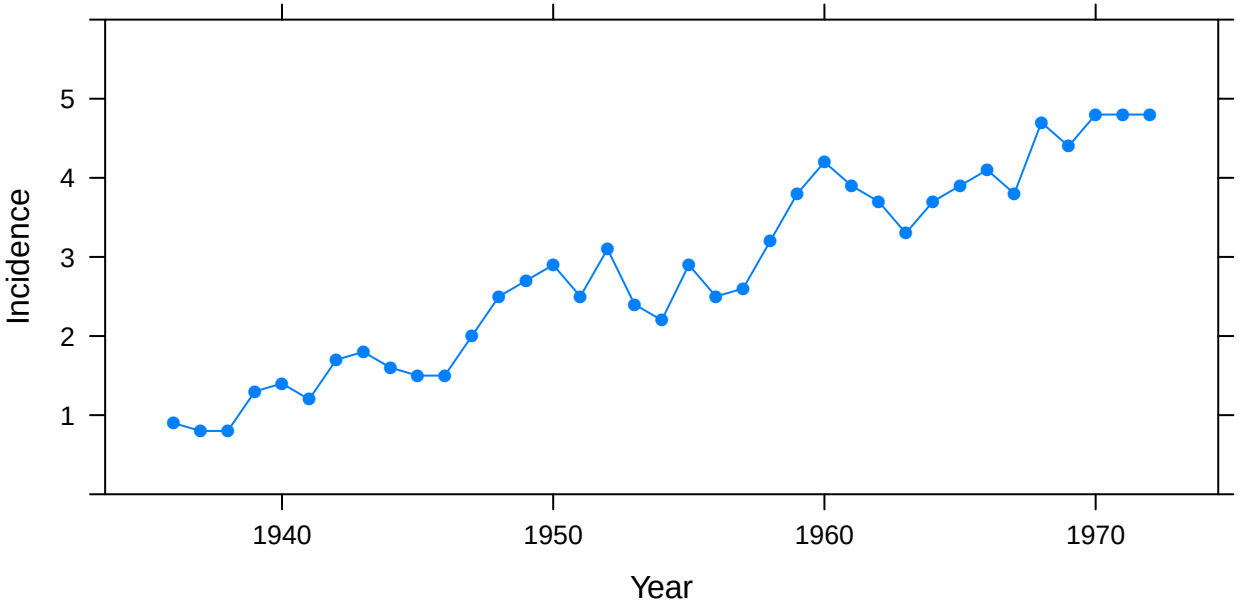

Stations
Stations
Stations
Stations
Stations
Stations
165
170
175
180
185
−10
−15
−20
−25
−30
−35
lat
long
help("level.colors")

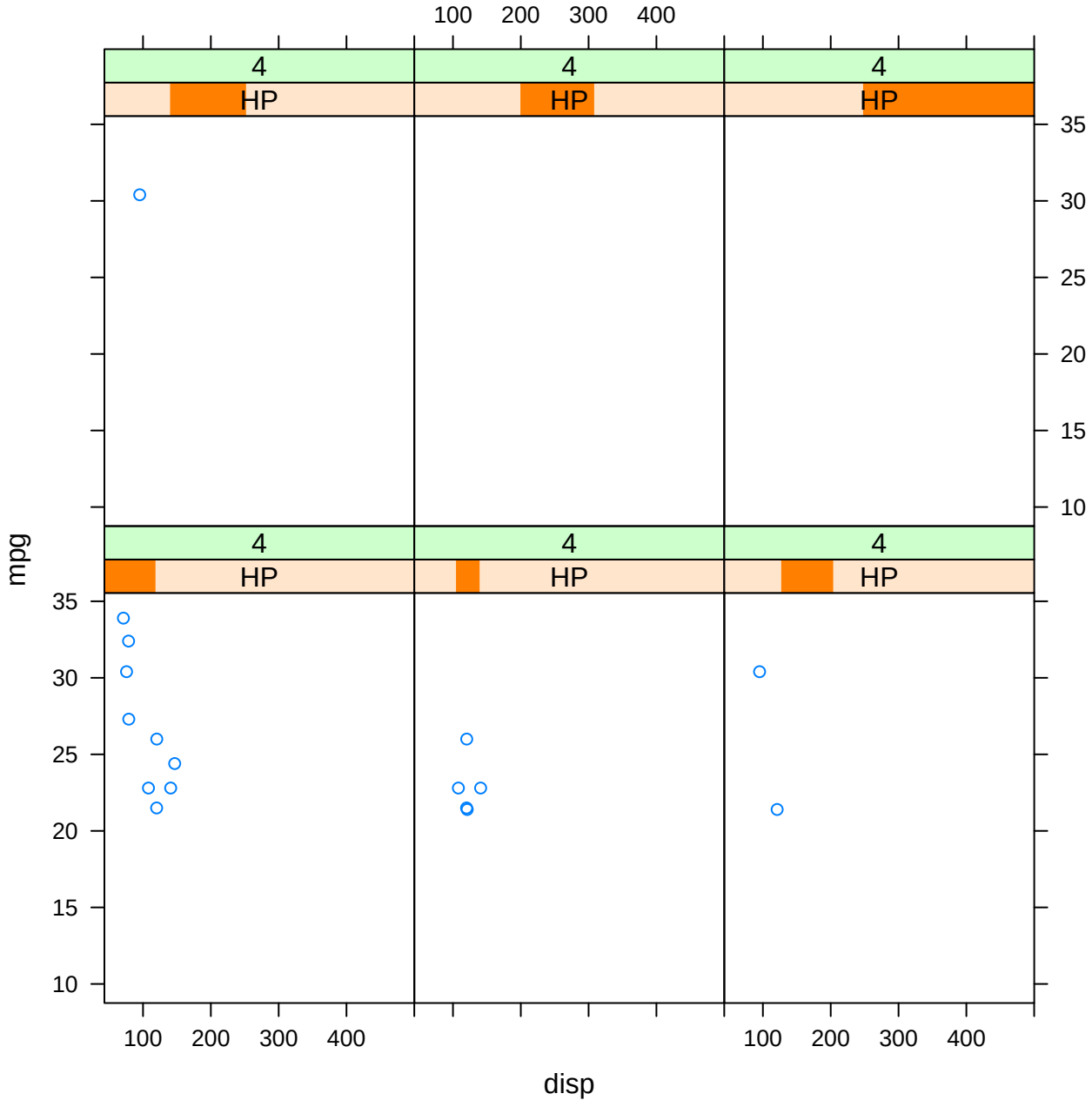

Weird Function
e^2.5
e^2.0
e^1.5
e^1.0
e^0.5
e^0.0
e^0.0
e^0.5
e^1.0
e^1.5
e^2.0
e^2.5
with log scales
help("levelplot")

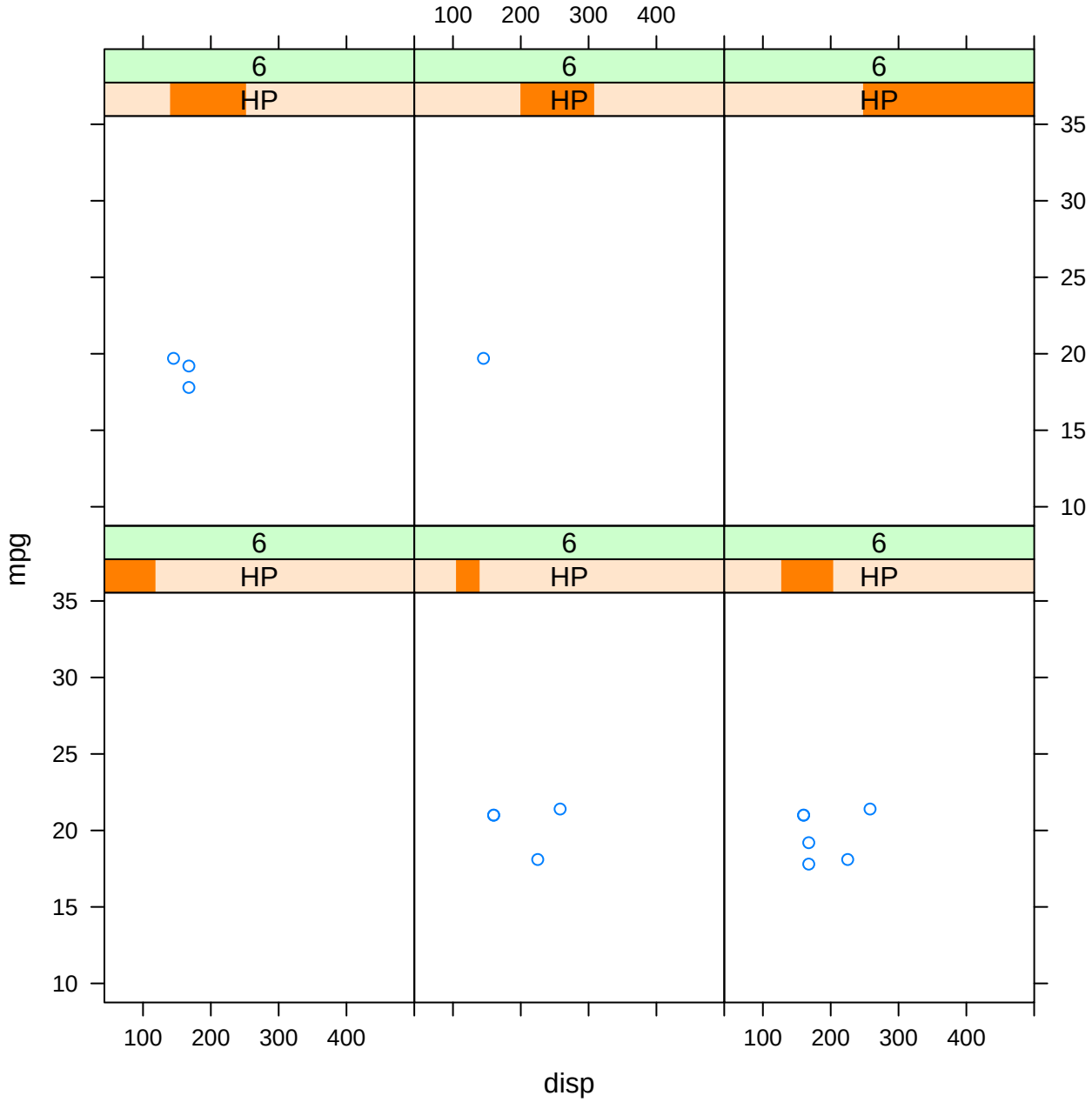

Cube Root Ozone (cube root ppb)
radiation
radiation
radiation
radiation
Temperature (F)
Wind Speed (mph)
help("levelplot")


lognormal
normal
uniform
exponential
data
qnorm
help("make.groups")

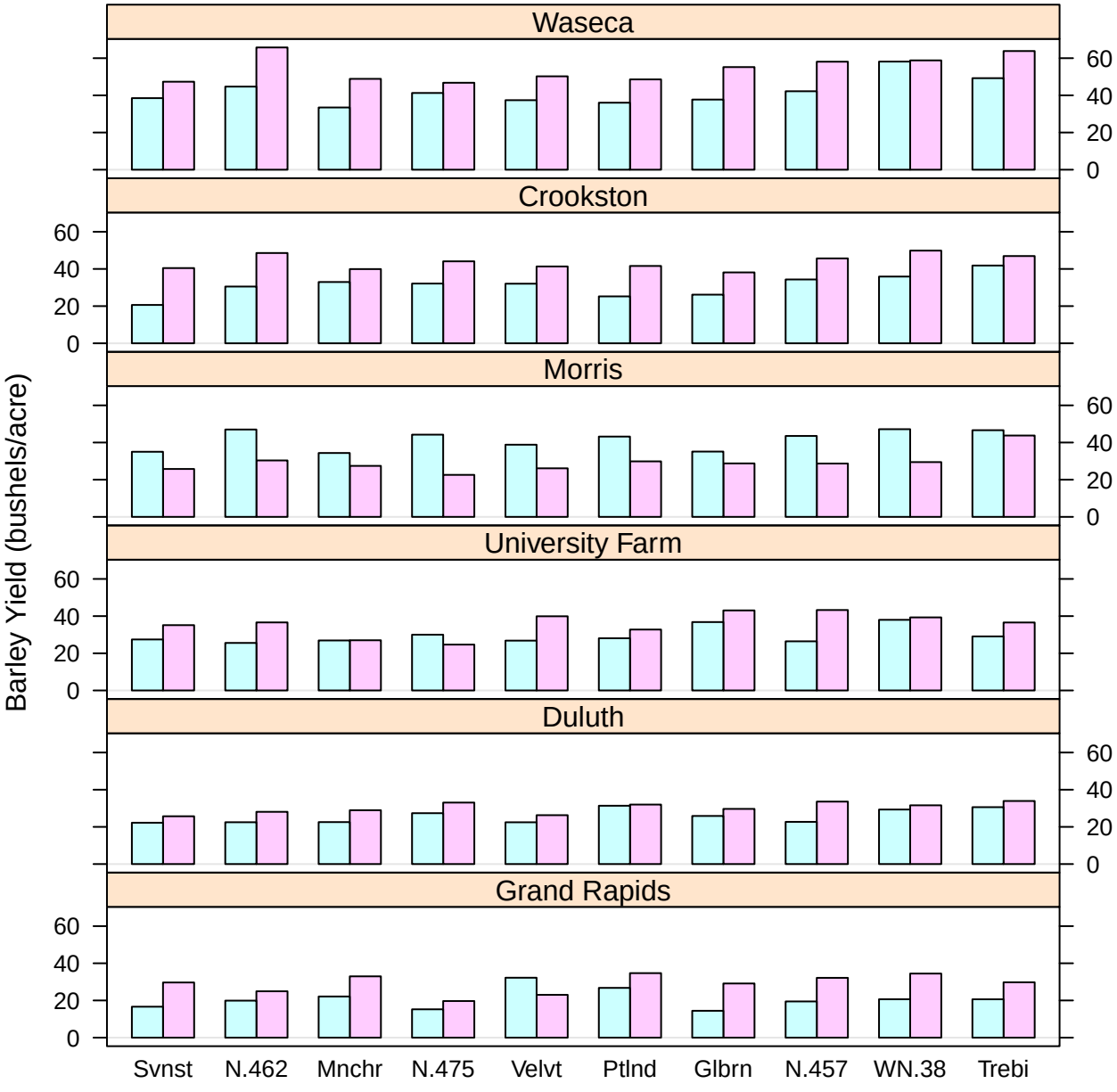
help("melanoma")

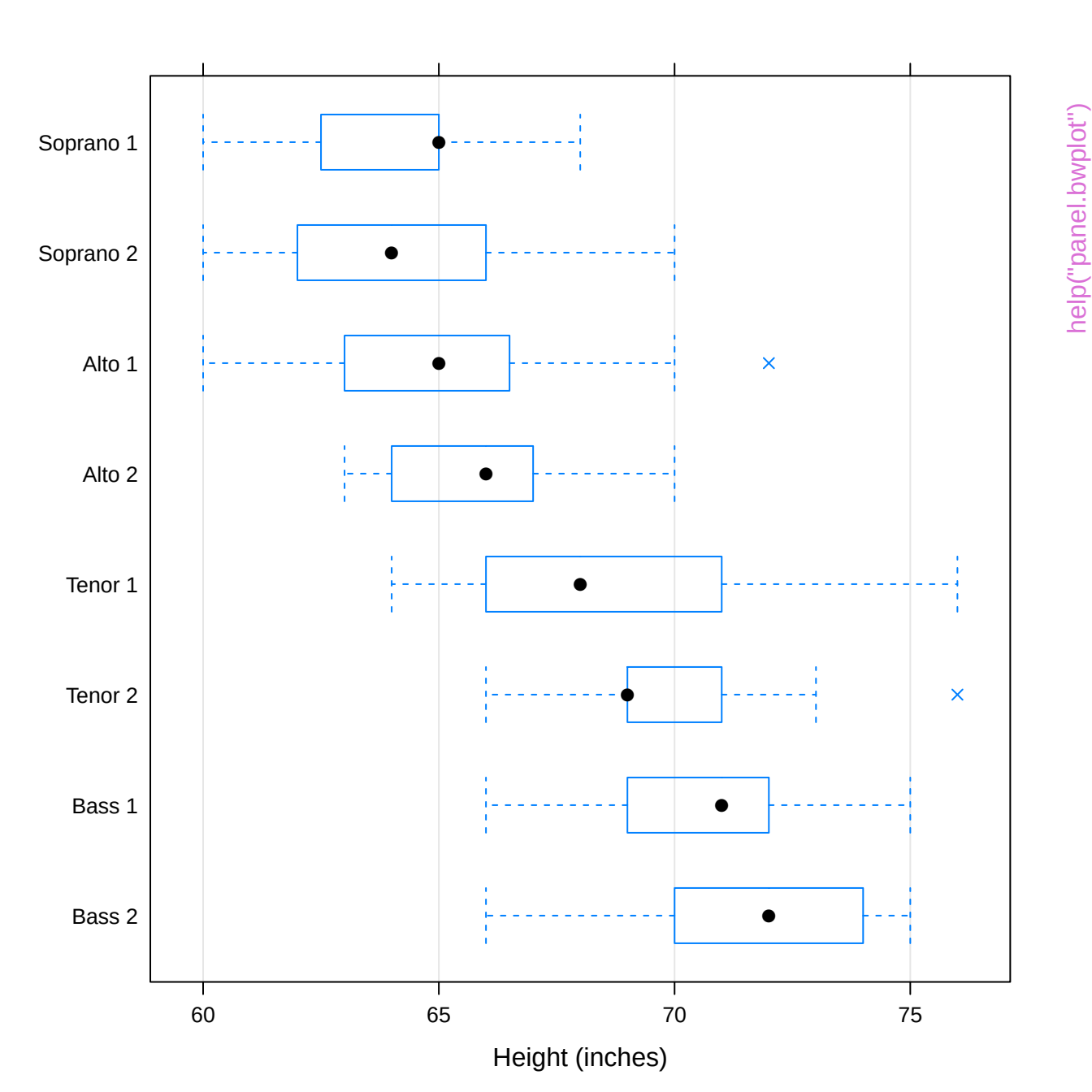


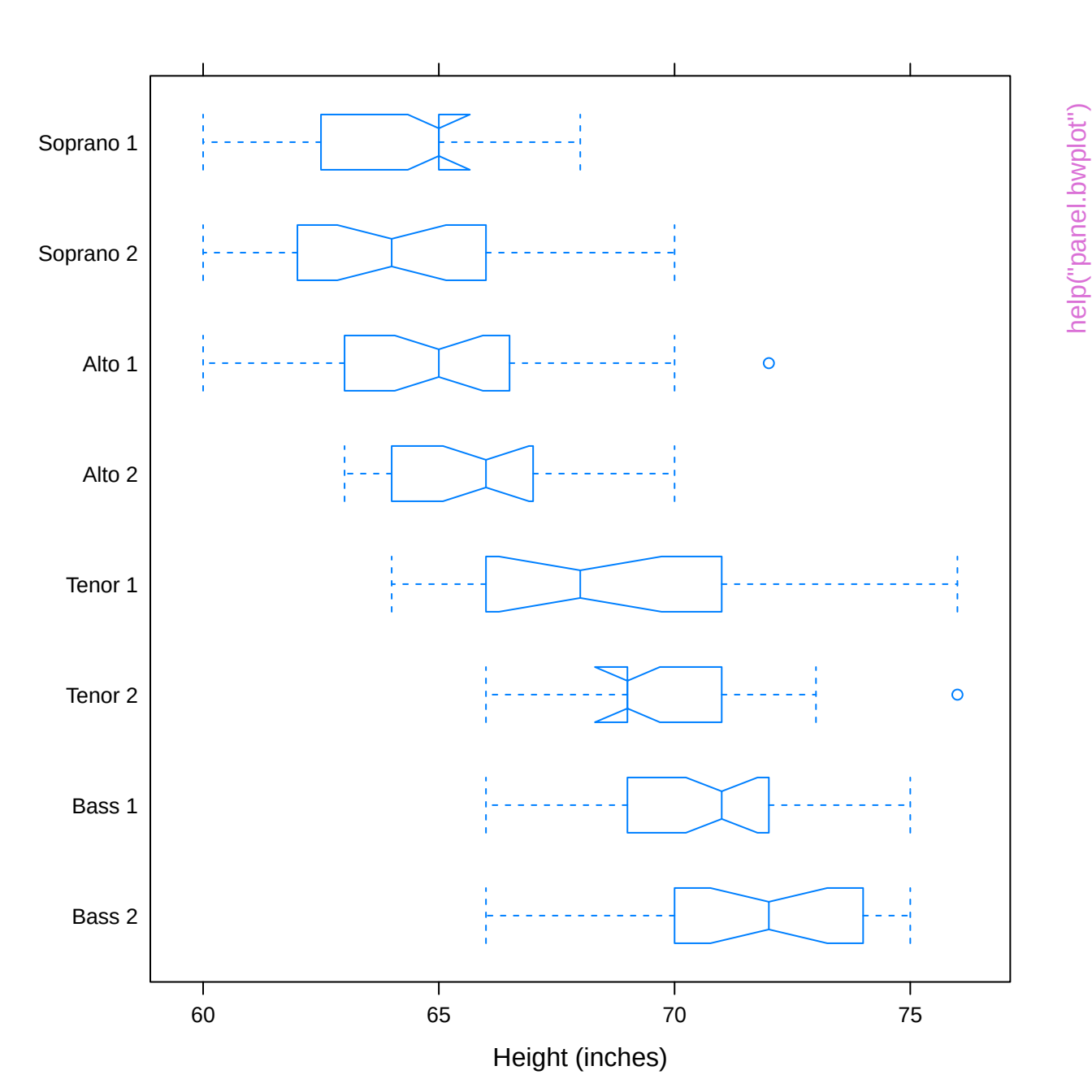

4
HP
mpg
disp
100
200
300
400
10
15
20
25
30
35
help("packet.panel.default")

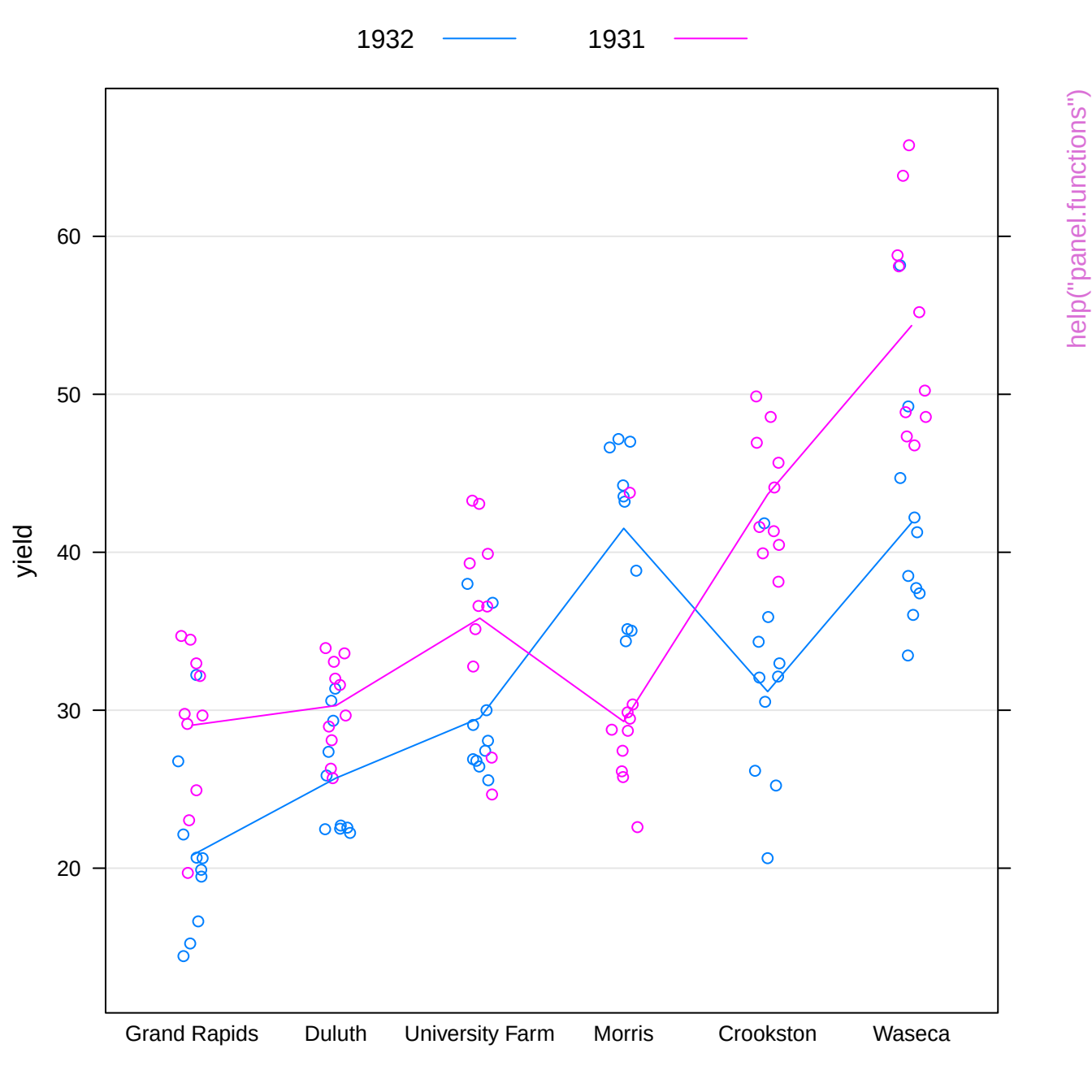


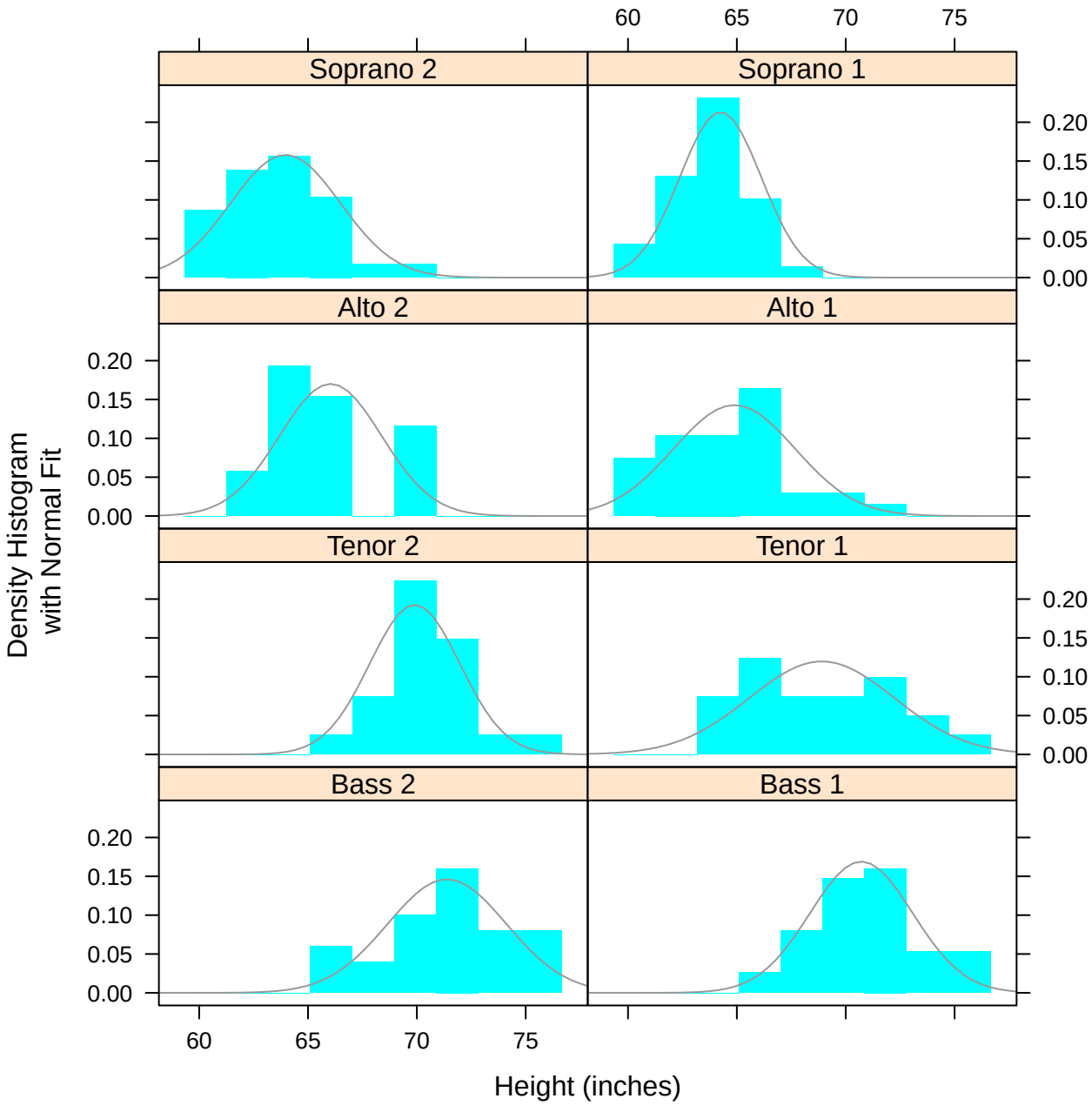
help("packet.panel.default")

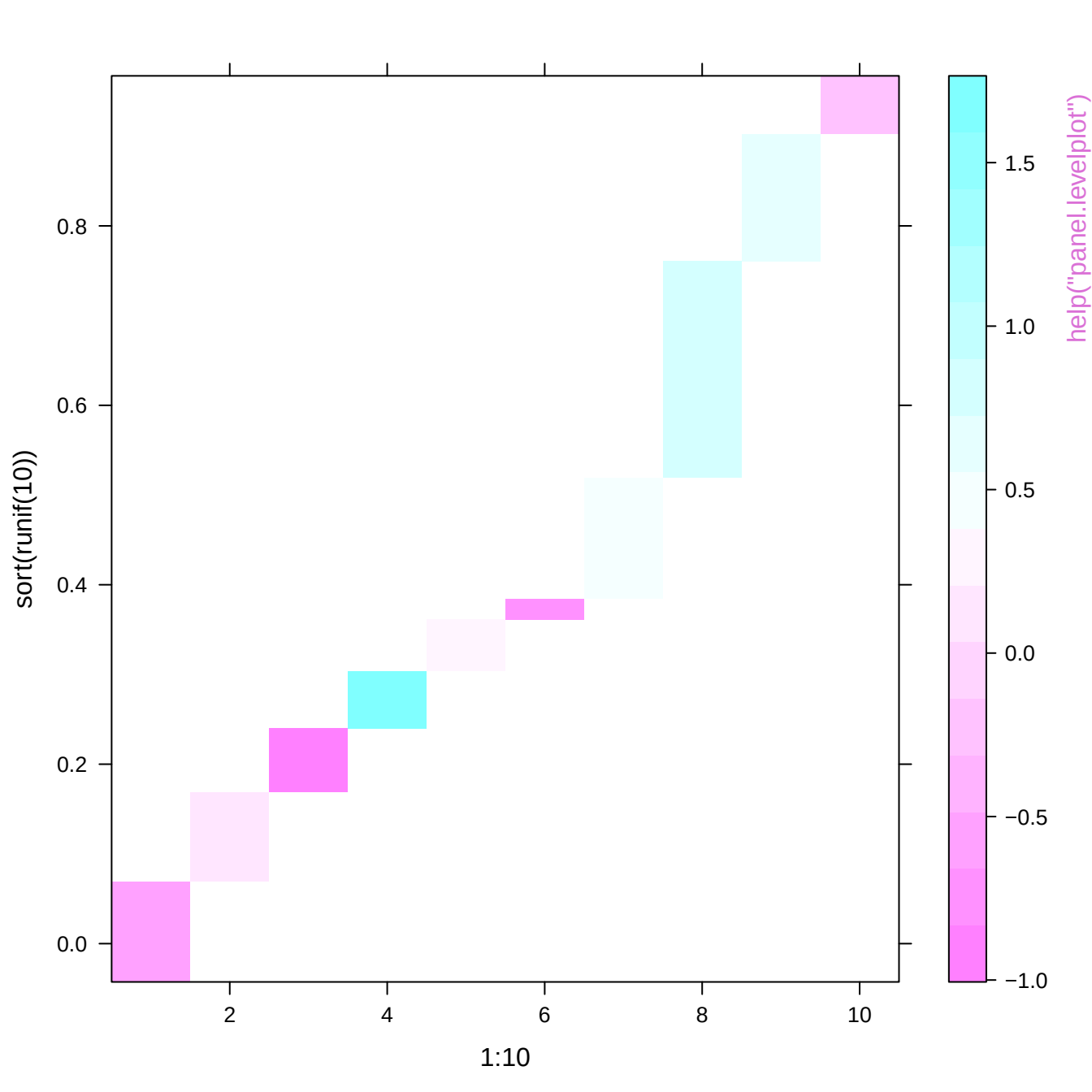

Waseca
Crookston
Morris
University Farm
Duluth
Grand Rapids
Barley Yield (bushels/acre)
0
20
40
60
Svnst
N.462
Mnchr
N.475
Velvt
Ptlnd
Glbrn
N.457
WN.38
Trebi
help("panel.barchart")

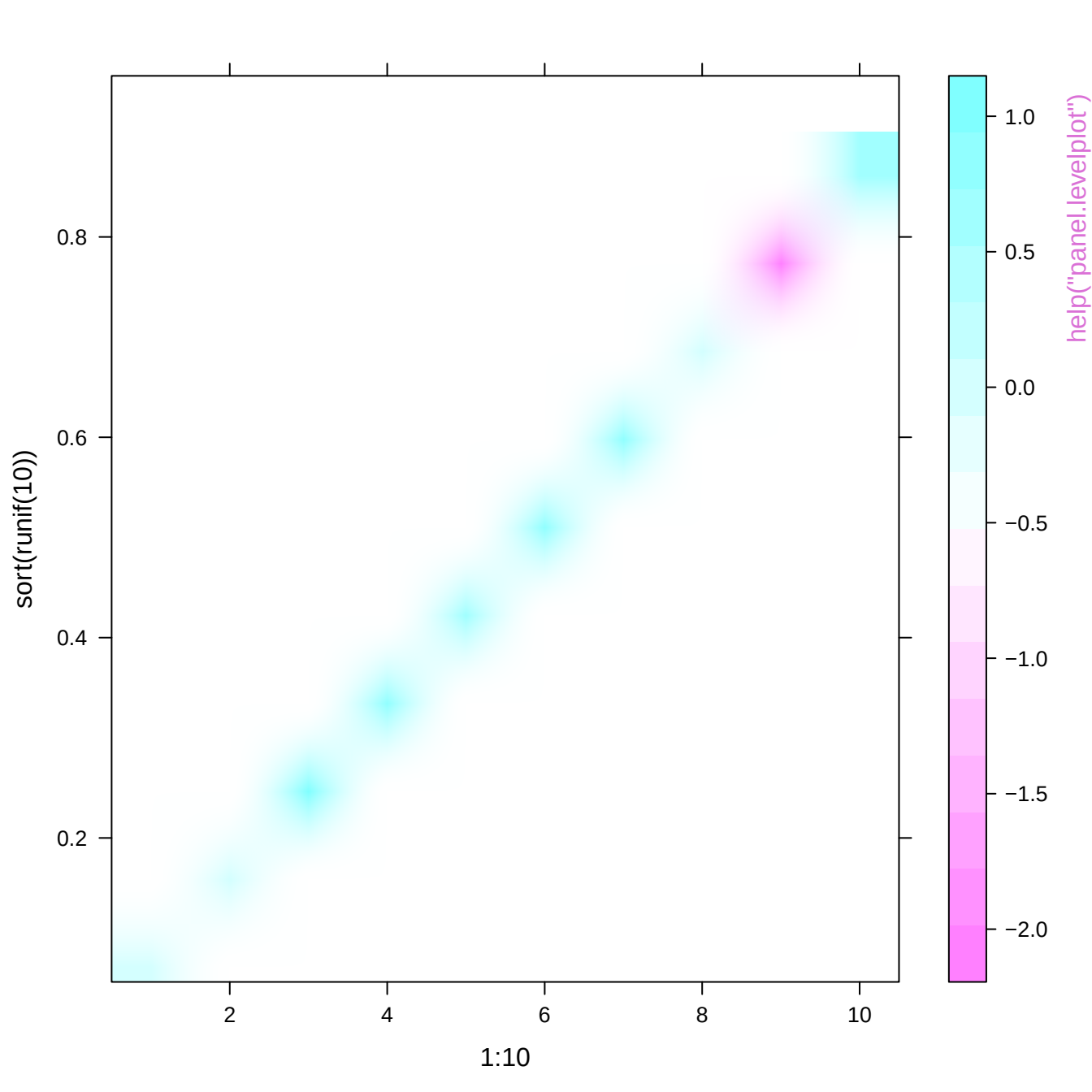

Soprano 1
Soprano 2
Alto 1
Alto 2
Tenor 1
Tenor 2
Bass 1
Bass 2
60
65
70
75
Height (inches)
help("panel.bwplot")

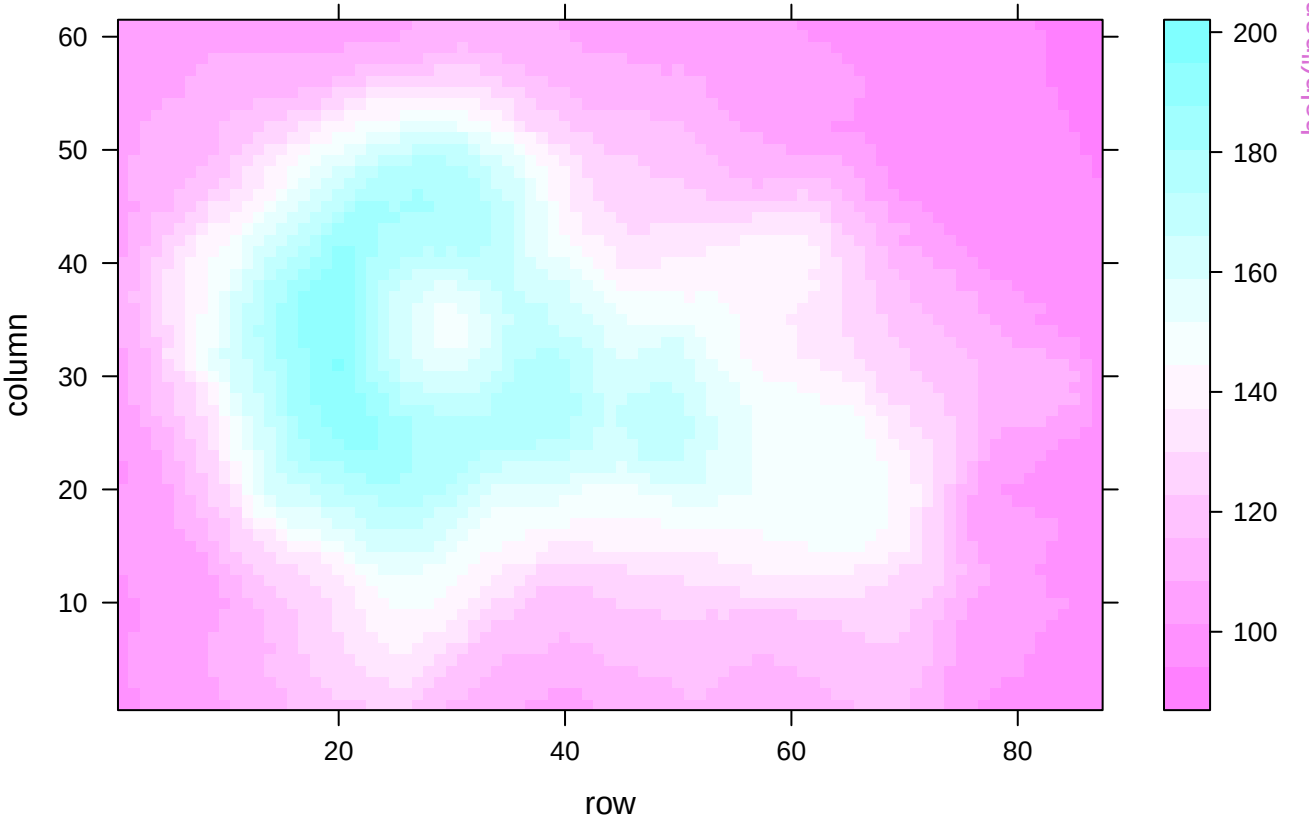

Soprano 1
Soprano 2
Alto 1
Alto 2
Tenor 1
Tenor 2
Bass 1
Bass 2
60
65
70
75
Height (inches)
help("panel.bwplot")

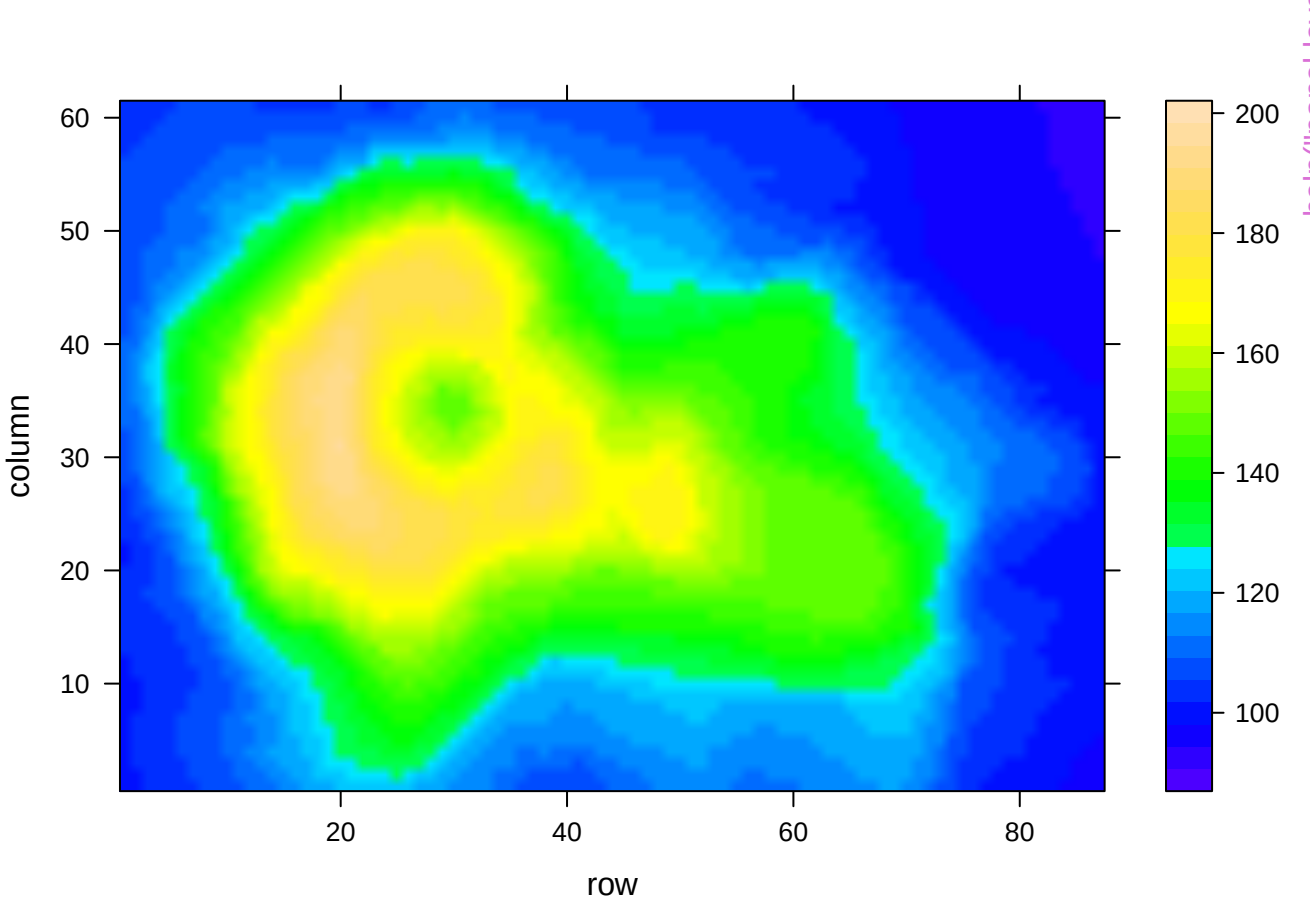

1932
1931
yield
60
50
40
30
20
Grand Rapids
Duluth
University Farm
Morris
Crookston
Waseca
help("panel.functions")

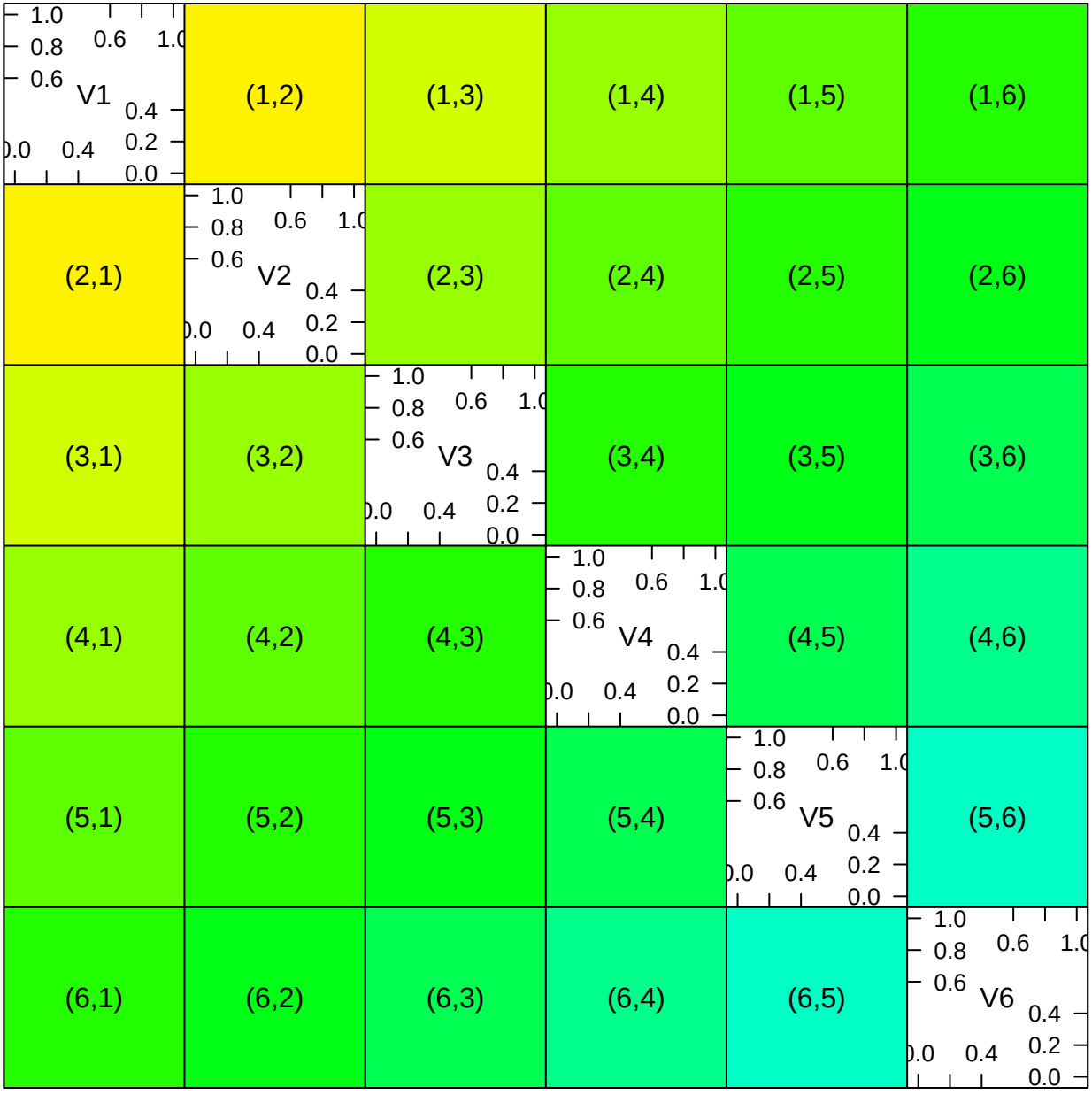

Soprano 2
Soprano 1
Alto 2
Alto 1
Tenor 2
Tenor 1
Bass 2
Bass 1
60
65
70
75
0.00
0.05
0.10
0.15
0.20
Density Histogram
with Normal Fit
Height (inches)
help("panel.functions")


sort(runif(10))
0.0
0.2
0.4
0.6
0.8
2
4
6
8
10
1:10
1.5
1.0
0.5
0.0
−0.5
−1.0
help("panel.levelplot")


sort(runif(10))
0.2
0.4
0.6
0.8
2
4
6
8
10
1:10
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
help("panel.levelplot")

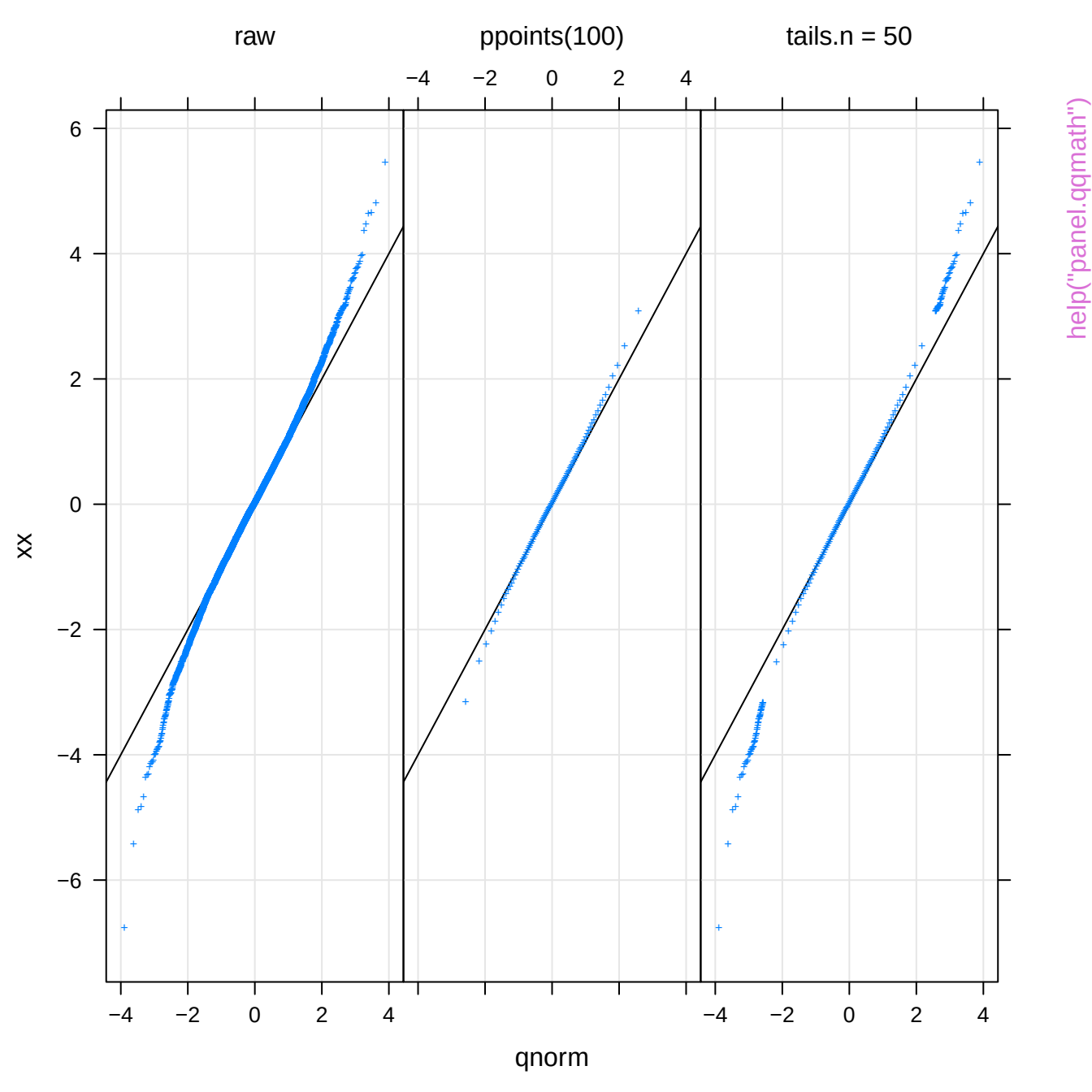

column
row
help("panel.levelplot")
60
50
40
30
20
10
20
40
60
80
200
180
160
140
120
100

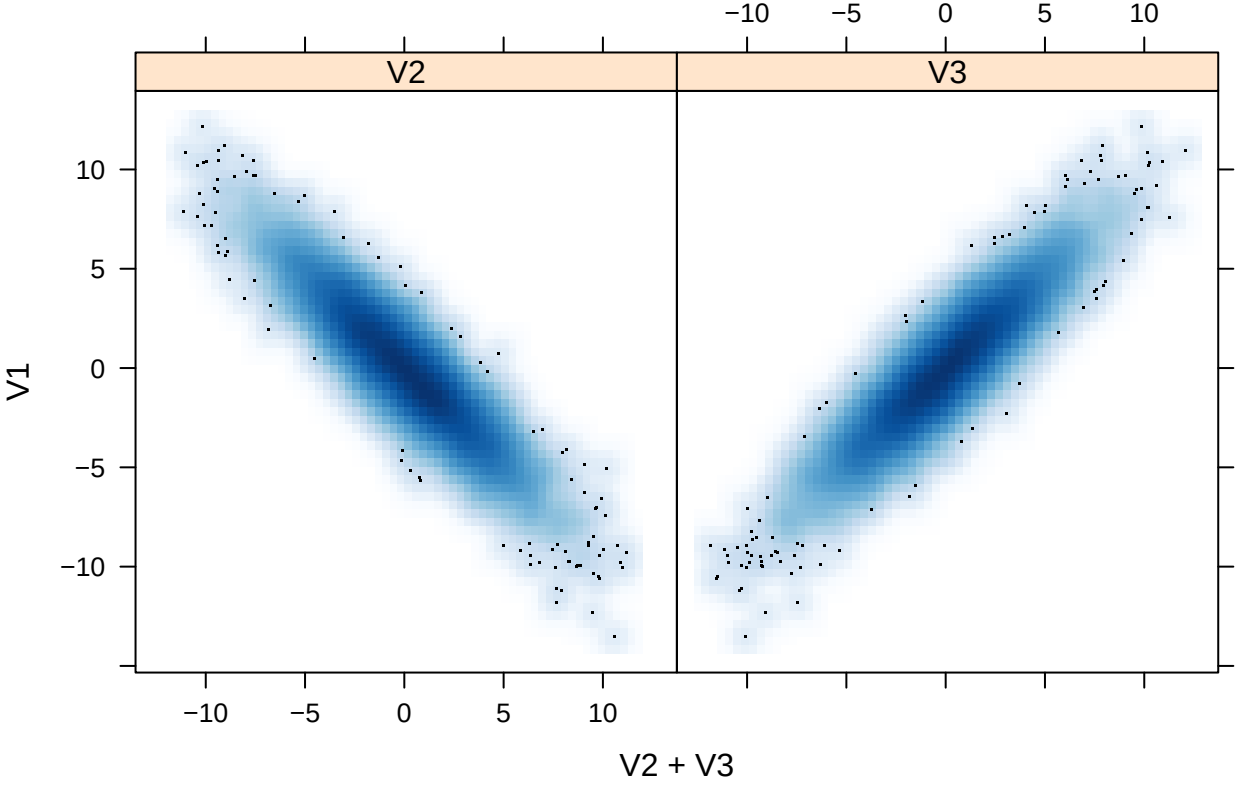

column
row
10
20
30
40
50
60
20
40
60
80
100
120
140
160
180
200
help("panel.levelplot")



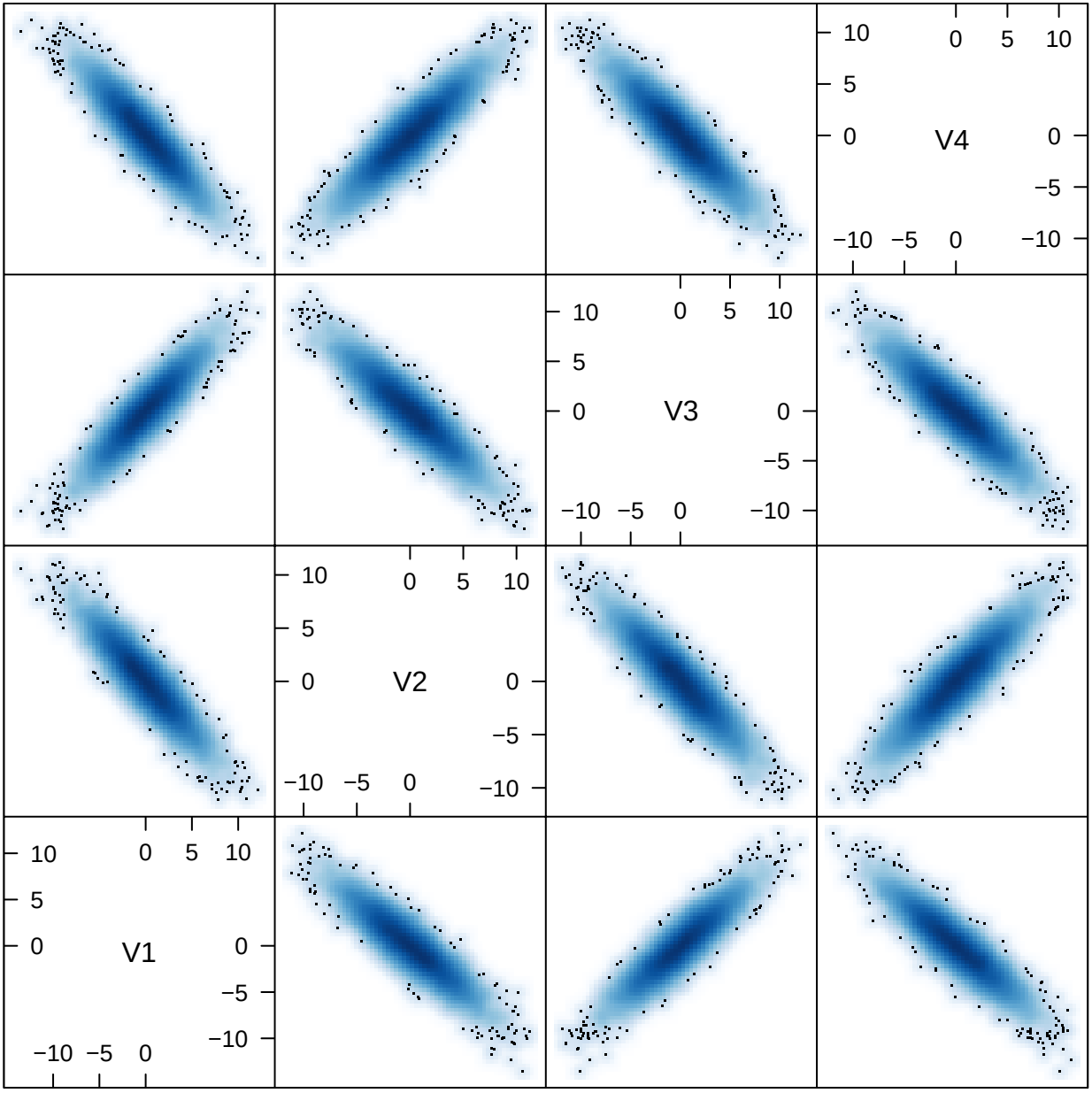
Scatter Plot Matrix

help("panel.pairs")


raw
ppoints(100)
tails.n = 50
XX
qnorm
help("panel.qqmath")

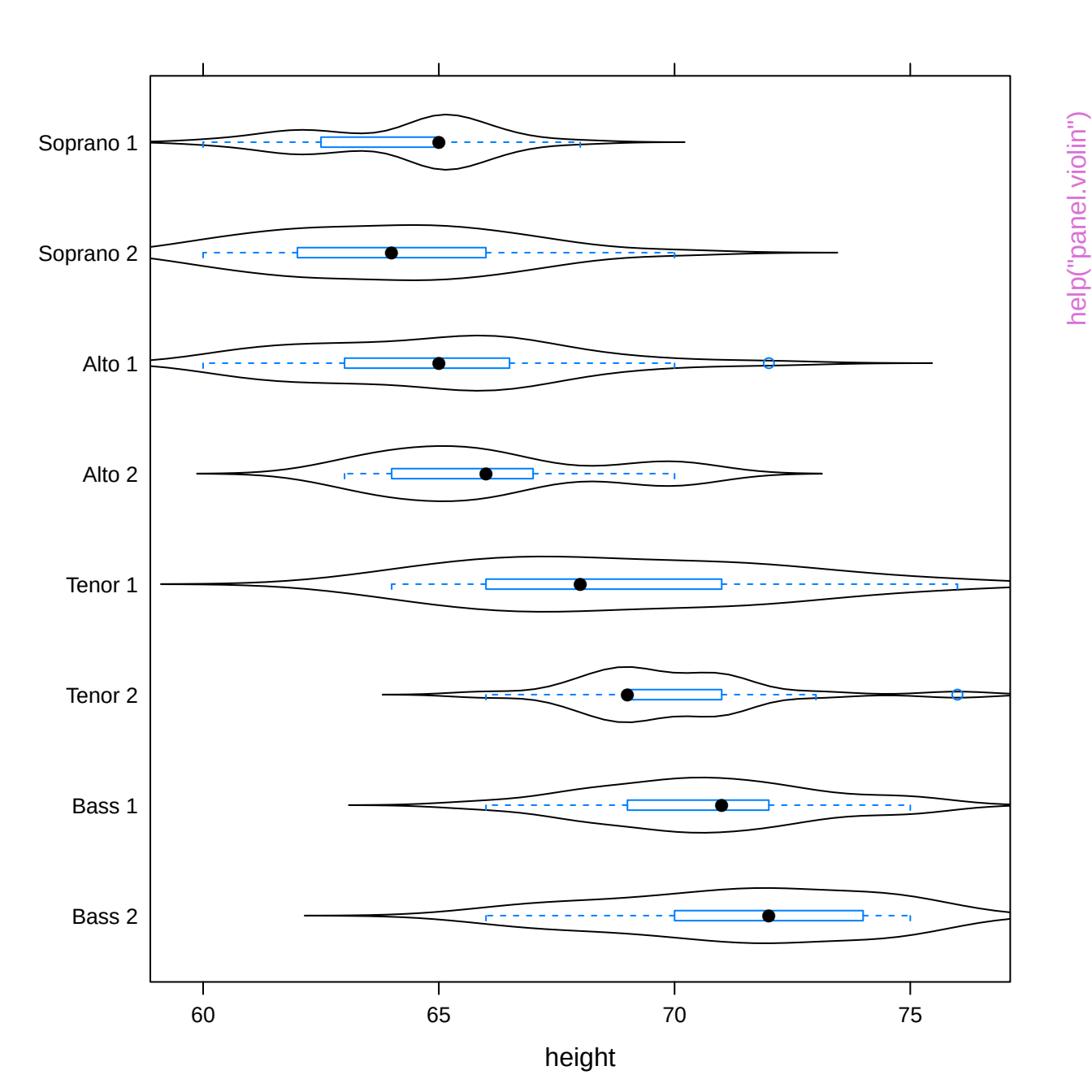


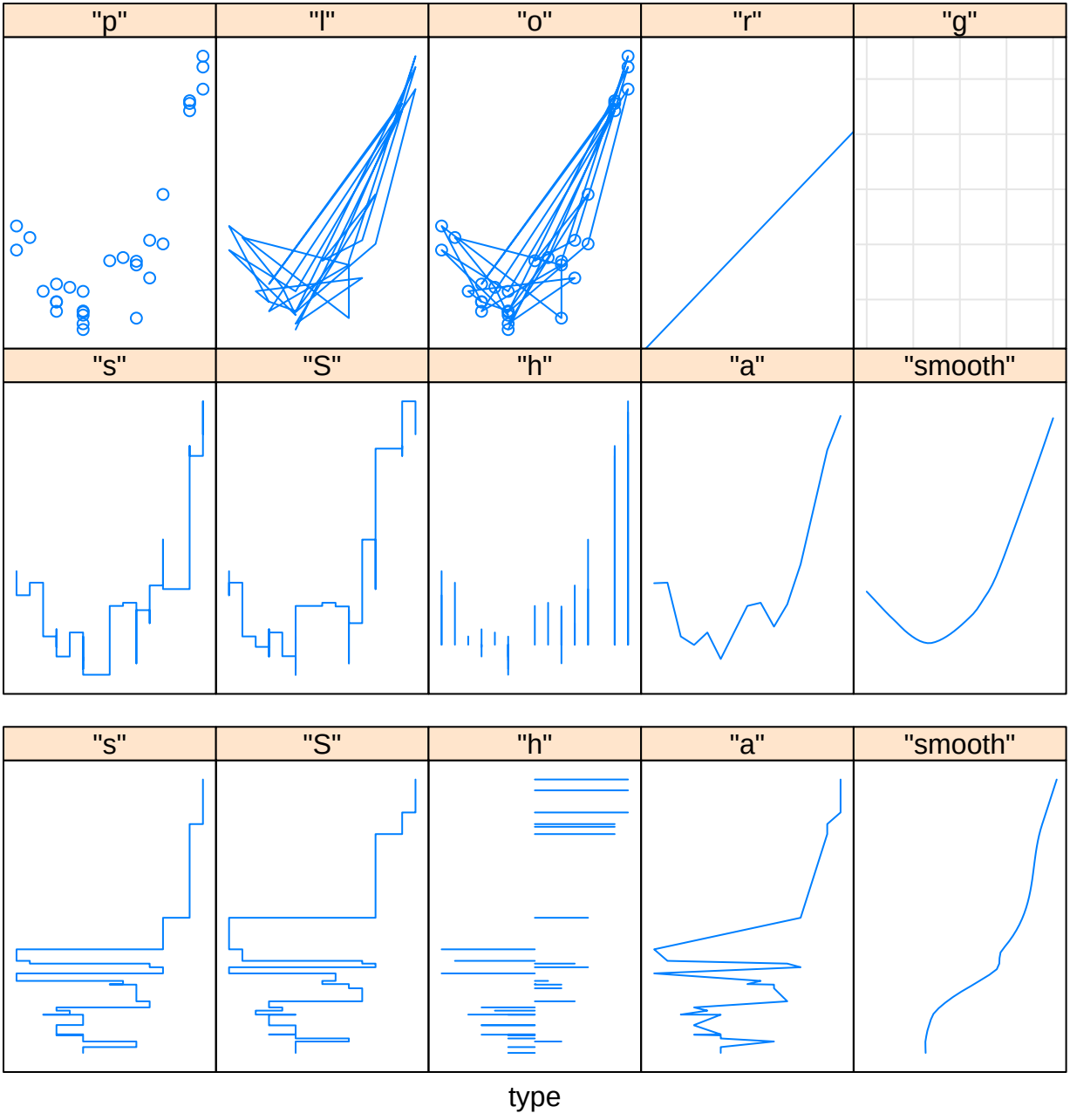
help("panel.smoothScatter")

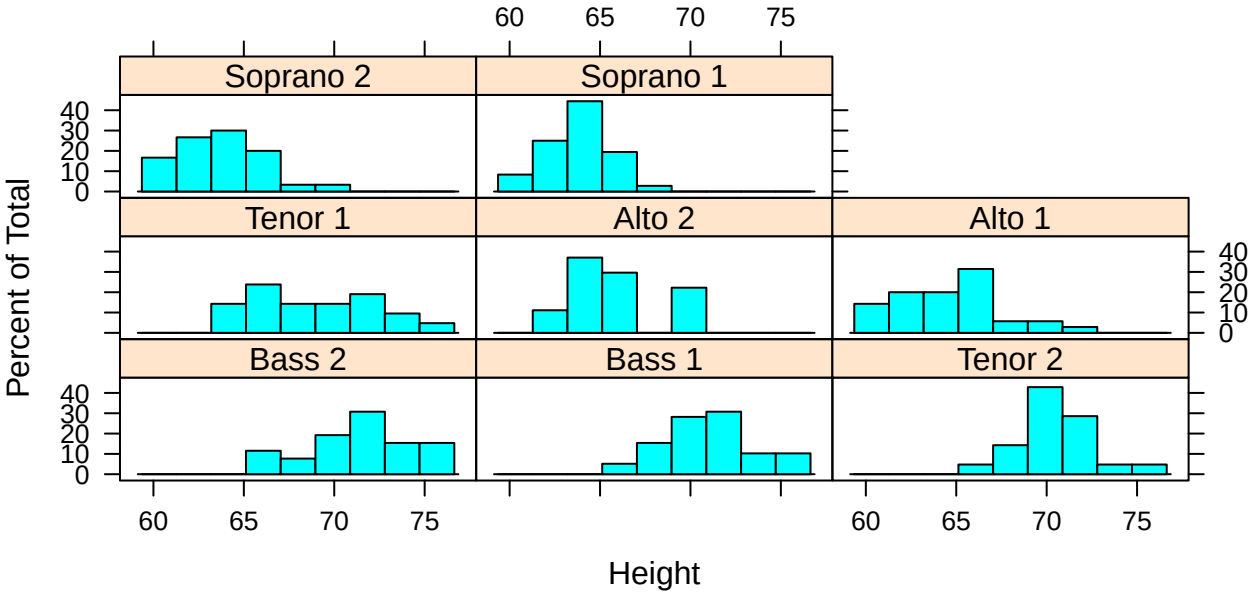


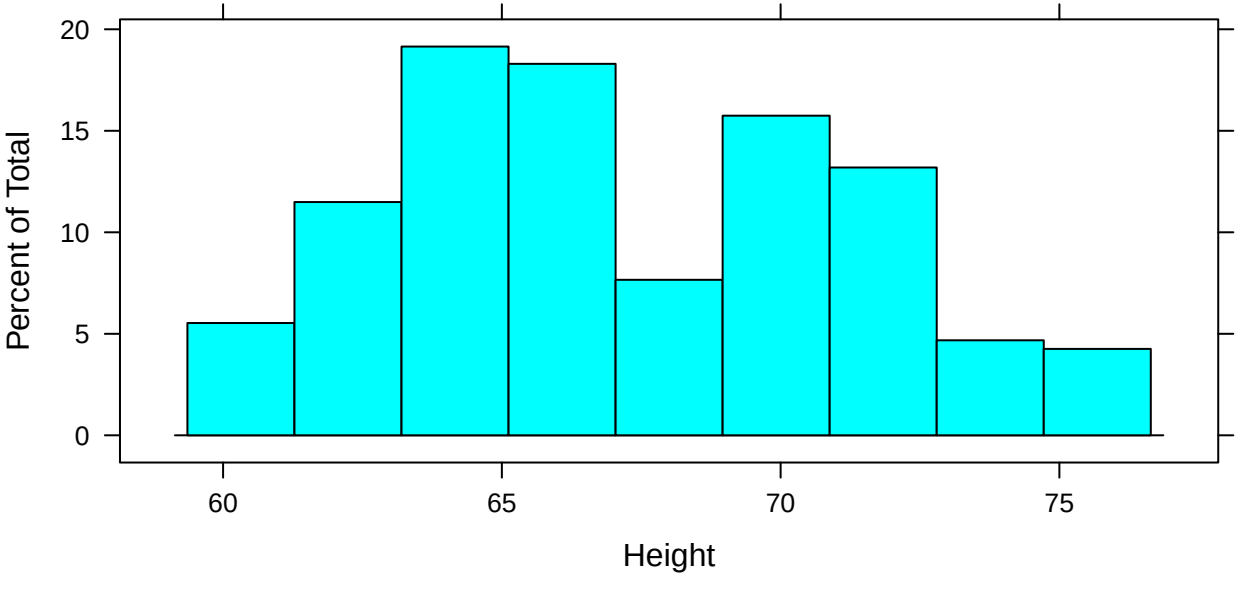
Scatter Plot Matrix

help("panel.smoothScatter")

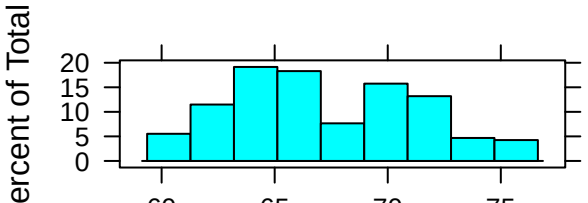

Soprano 1
Soprano 2
Alto 1
Alto 2
Tenor 1
Tenor 2
Bass 1
Bass 2
60
65
70
75
height
help("panel.violin")

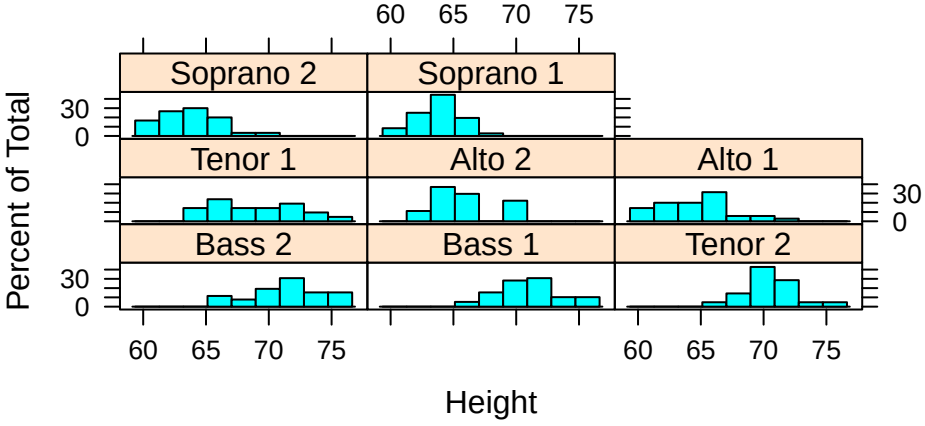

"p"
"l"
"o"
"r"
"g"
"s"
"S"
"h"
"a"
"smooth"
horizontal=FALSE
"s"
"S"
"h"
"a"
"smooth"
horizontal=TRUE
type
help("panel.xyplot")

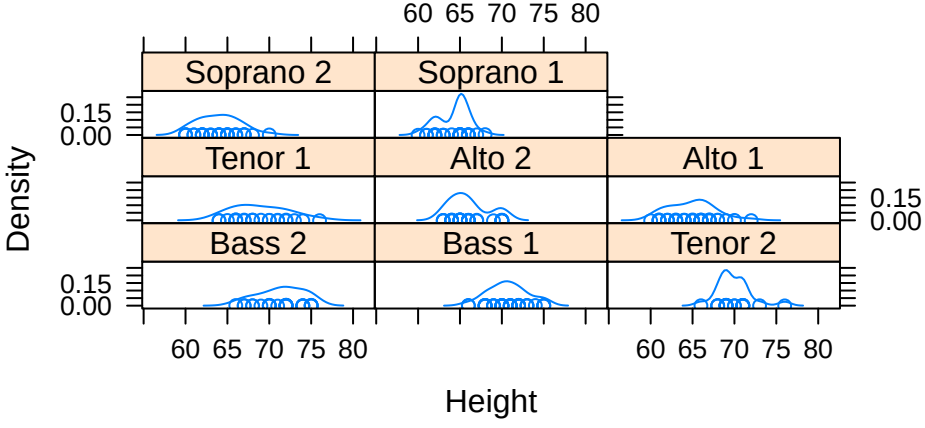


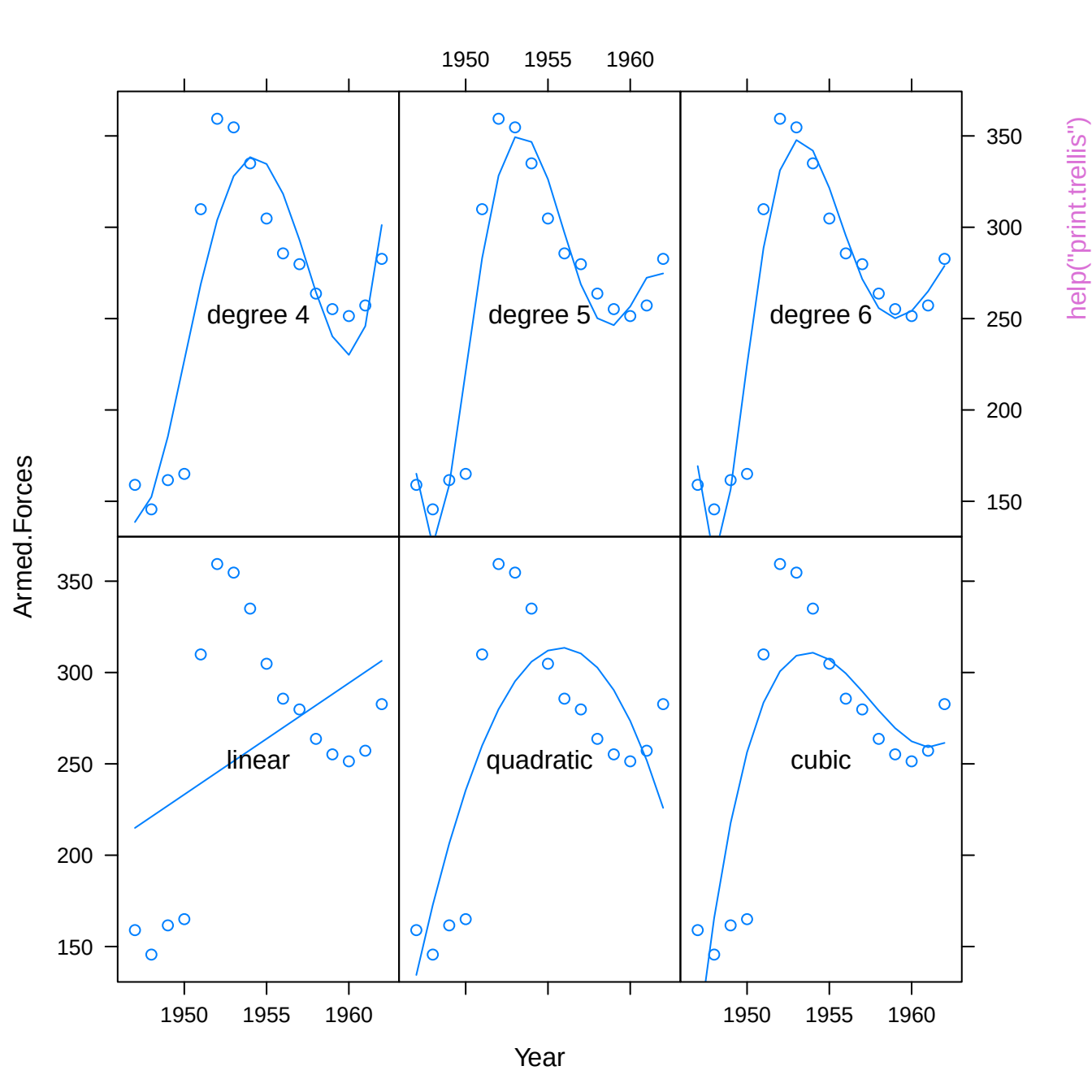


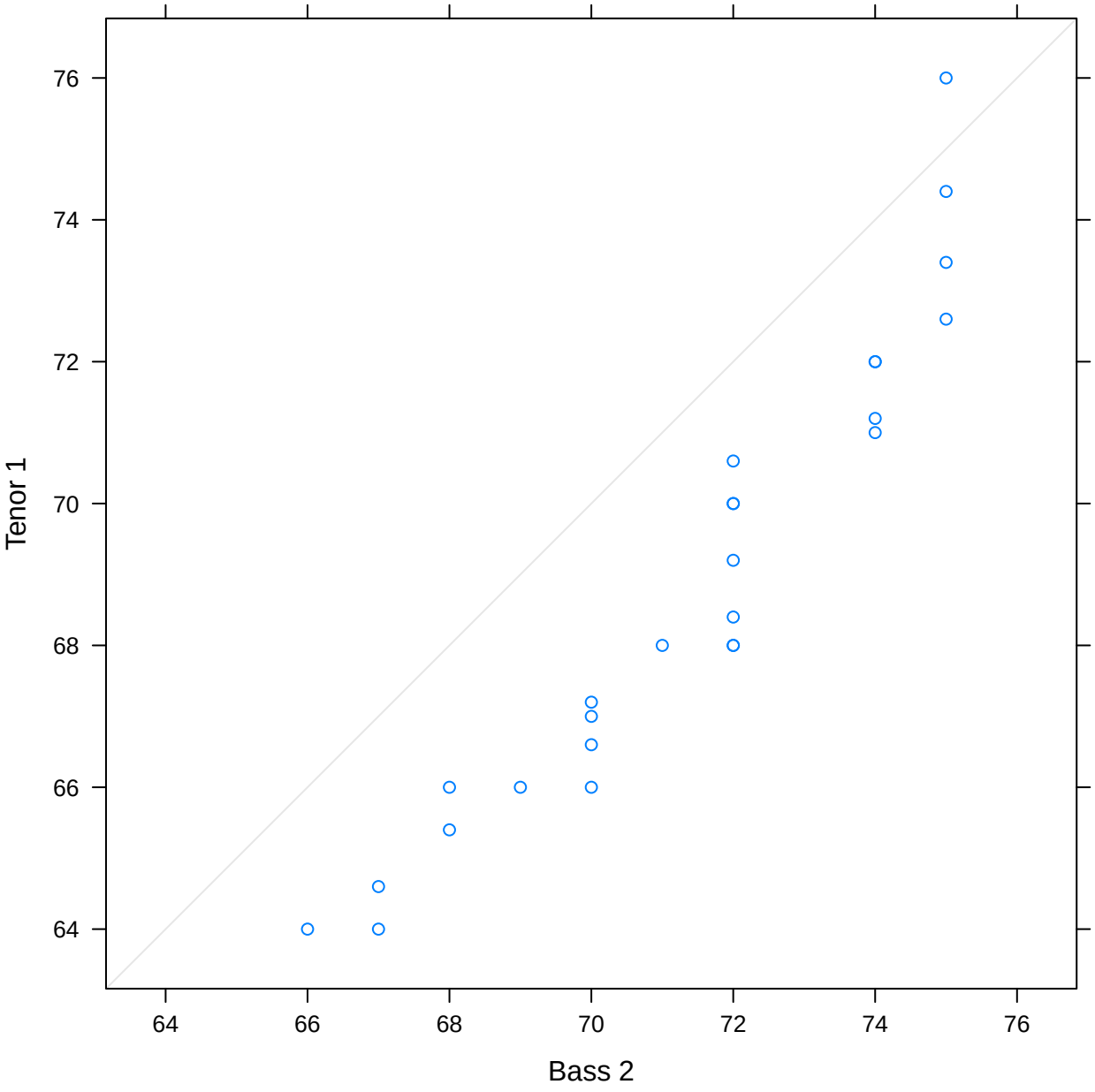
help("print.trellis")

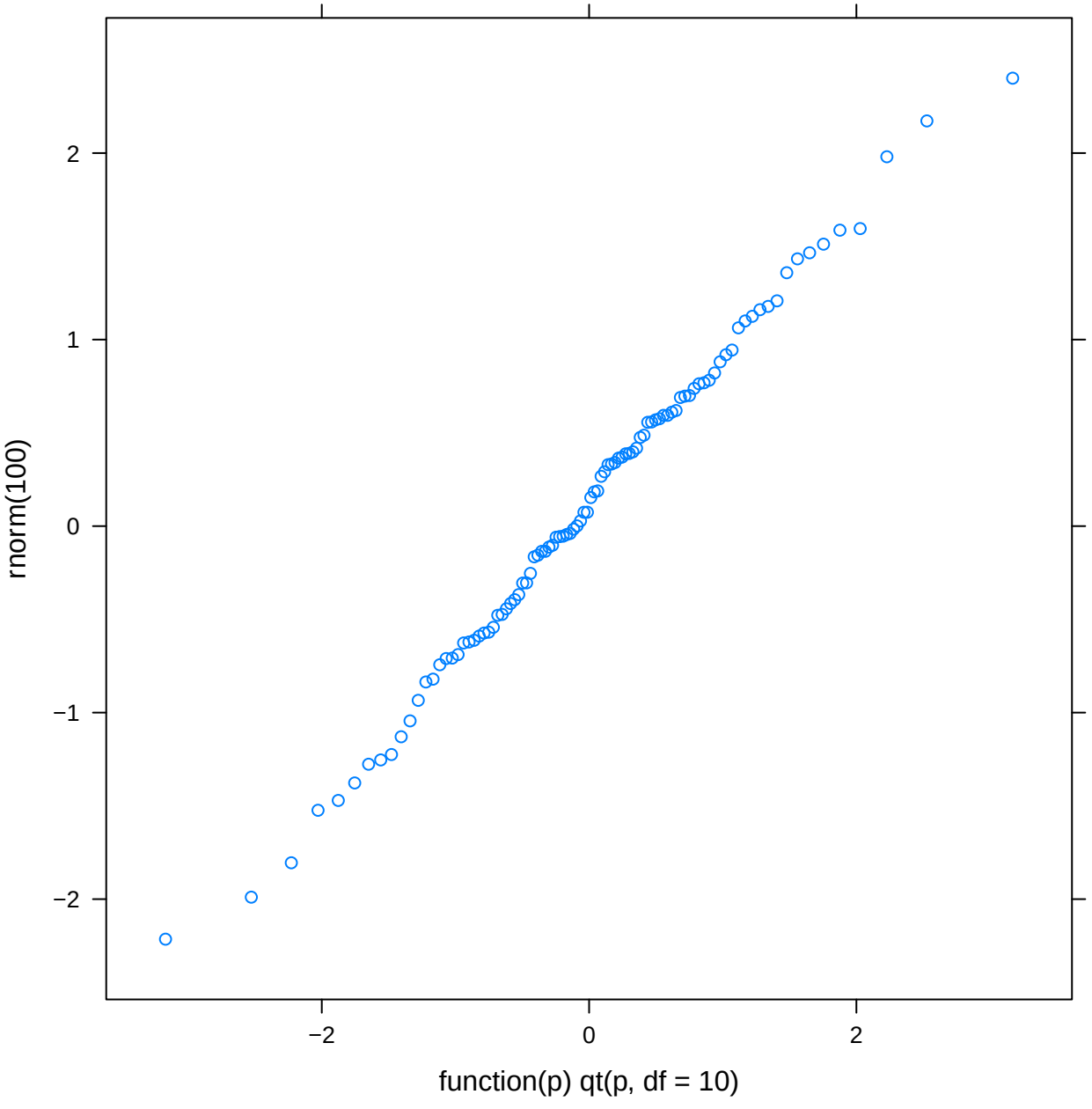


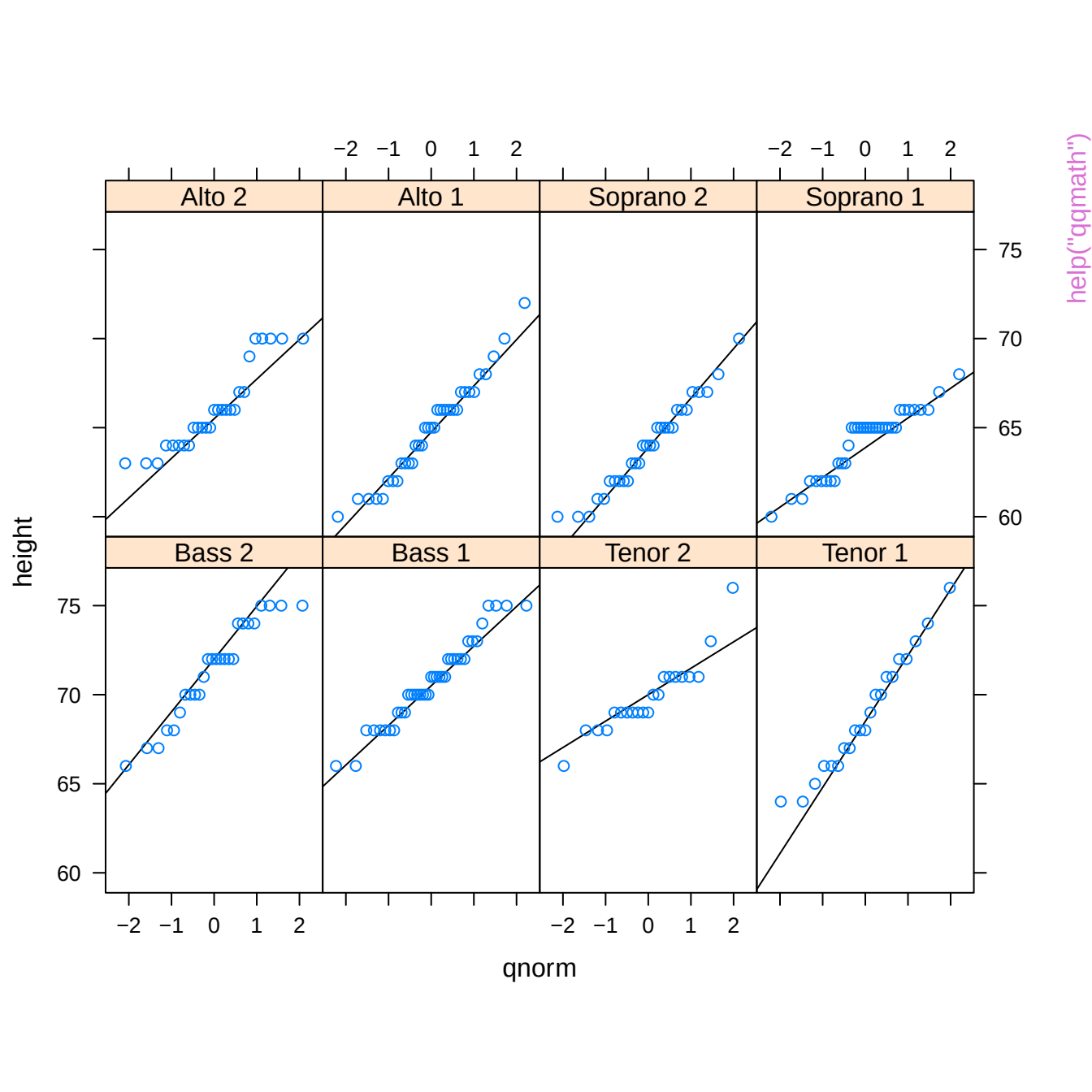


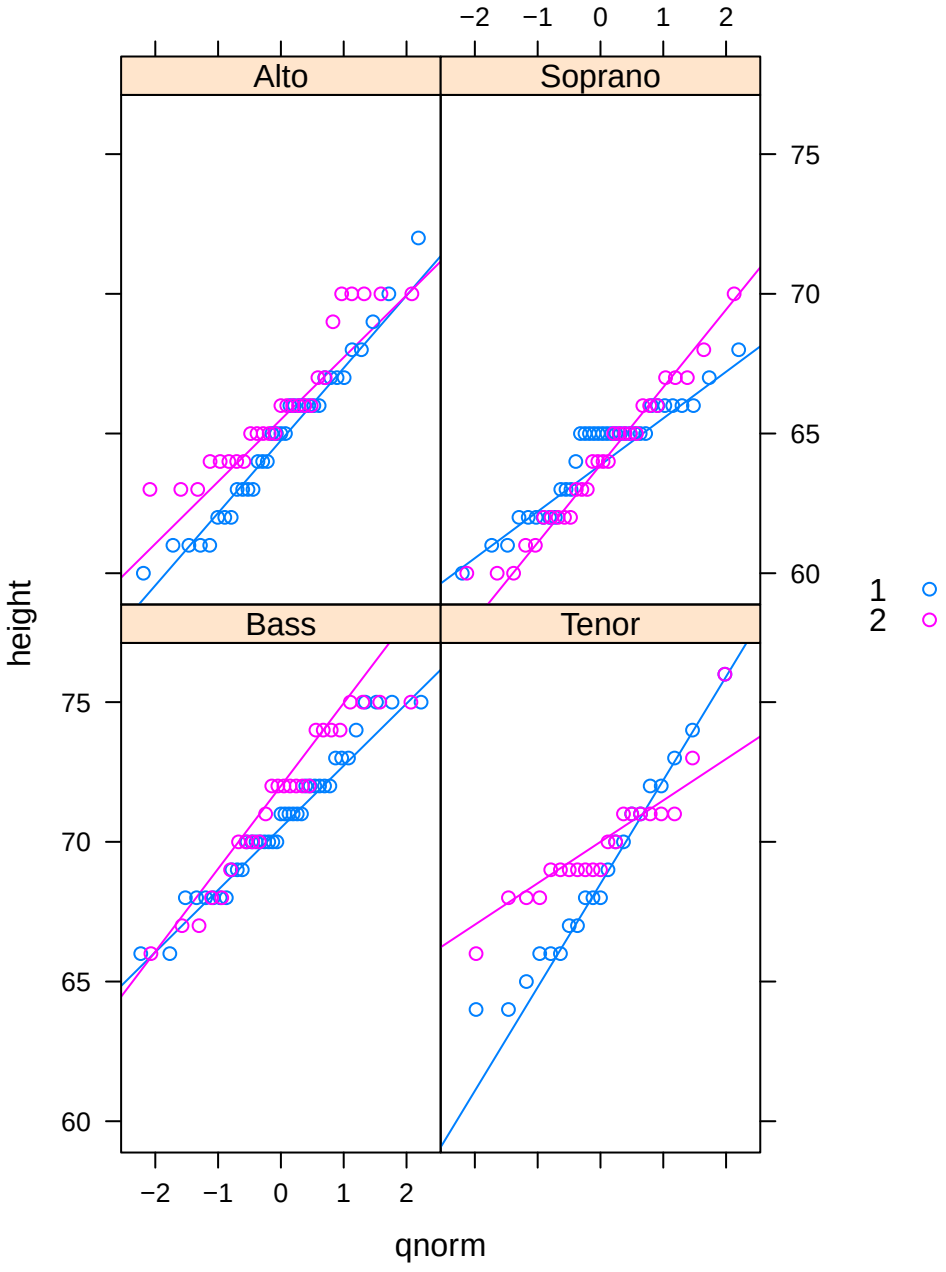



1950
1955
1960
degree 4
degree 5
degree 6
linear
quadratic
cubic
350
300
250
200
150
Armed.Forces
Year
help("print.trellis")

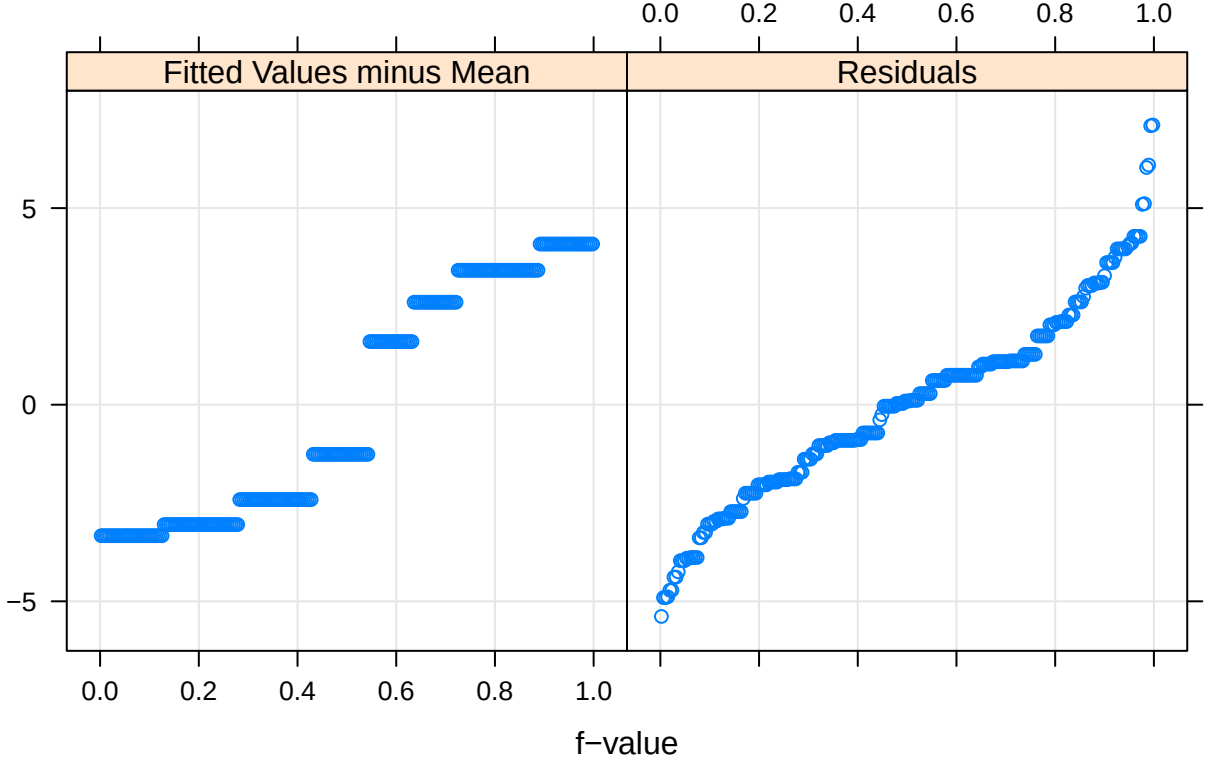

Tenor 1
Bass 2
64
66
68
70
72
74
76
help("qq")


rnorm(100)
function(p) qt(p, df = 10)
2
1
0
−1
−2
−2
0
2
help("qqmath")

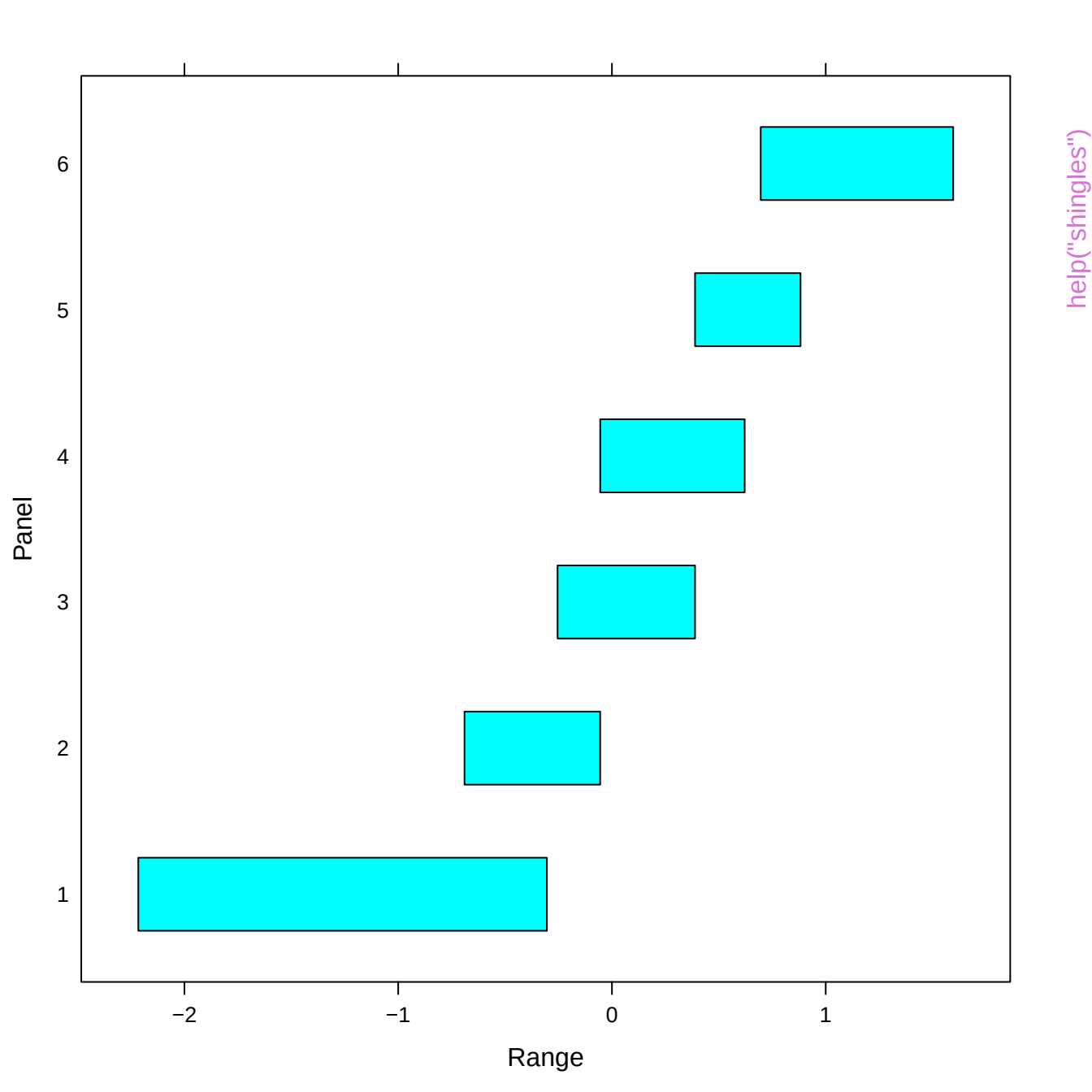

Alto 2
Alto 1
Soprano 2
Soprano 1
Bass 2
Bass 1
Tenor 2
Tenor 1
height
qnorm
help("qqmath")

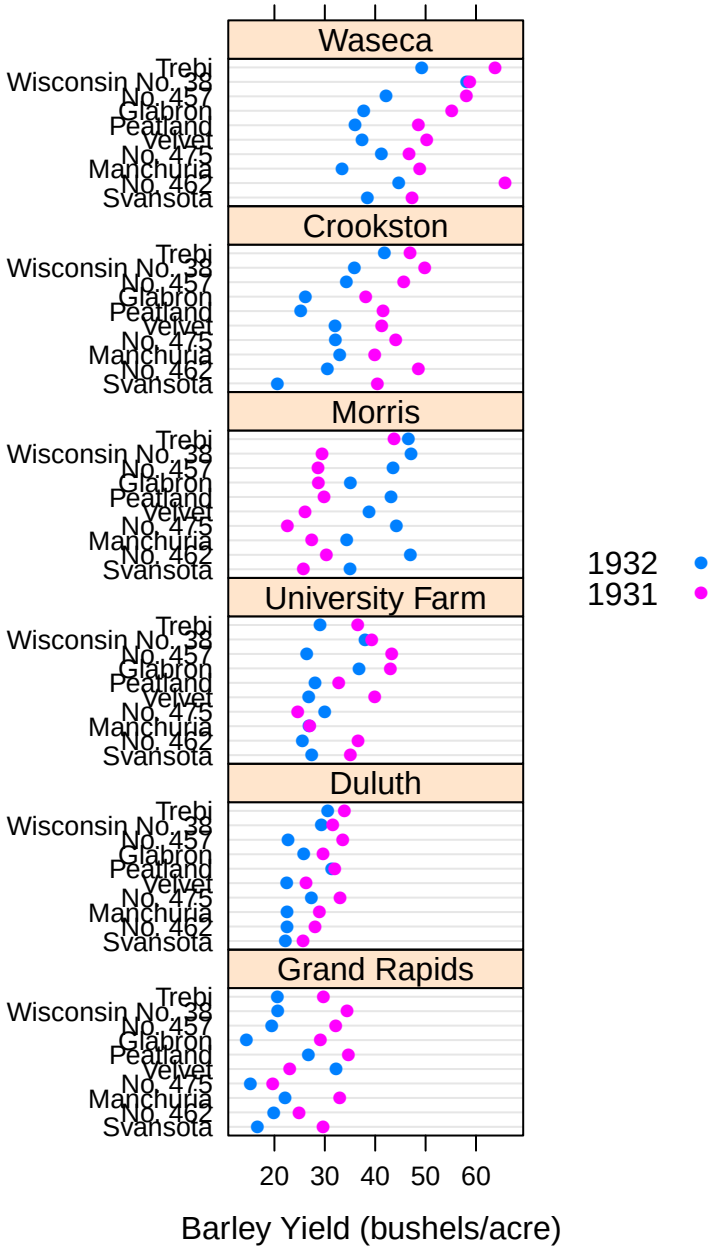


help("qqmath")

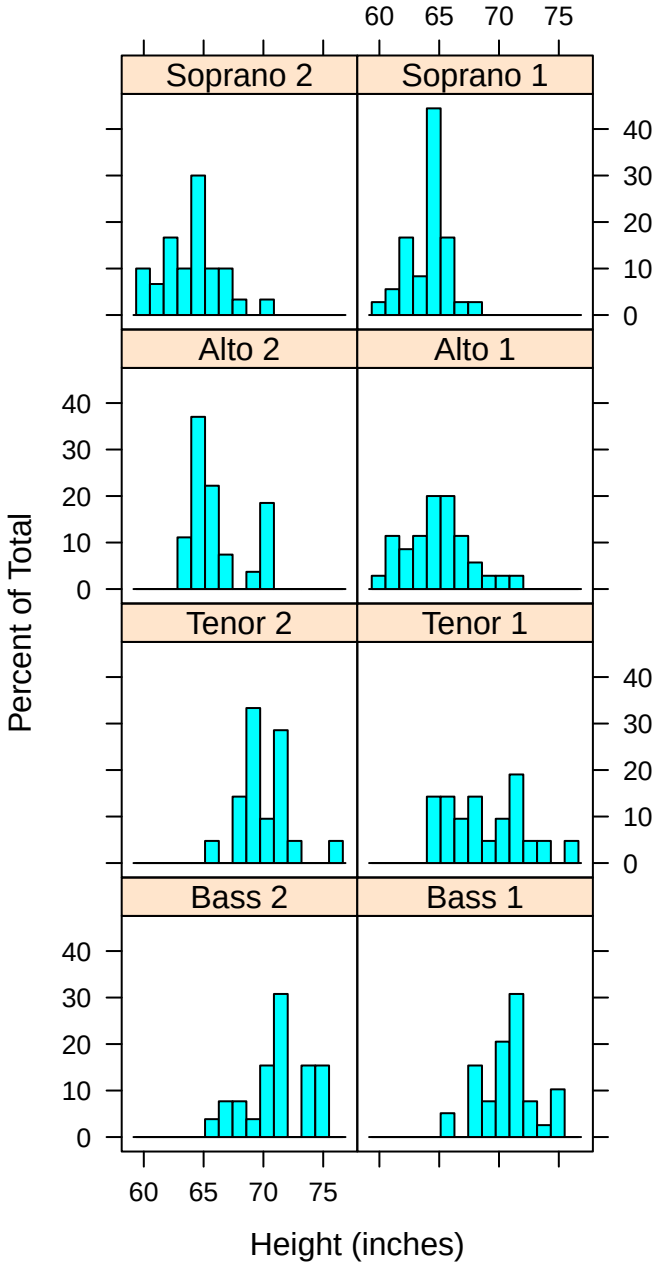

Fitted Values minus Mean
Residuals
0.0
0.2
0.4
0.6
0.8
1.0
5
0
−5
f−value

help("rfs")

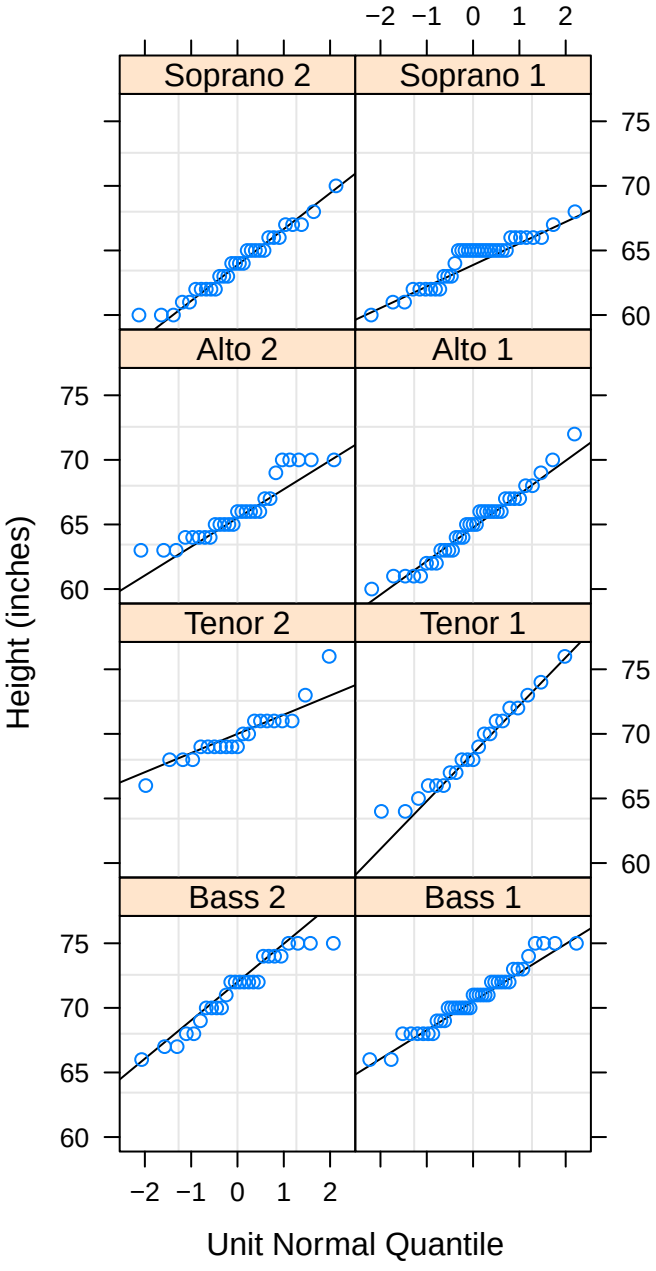

help("shingles")
Panel
6
5
4
3
2
1
−2
−1
0
1
Range



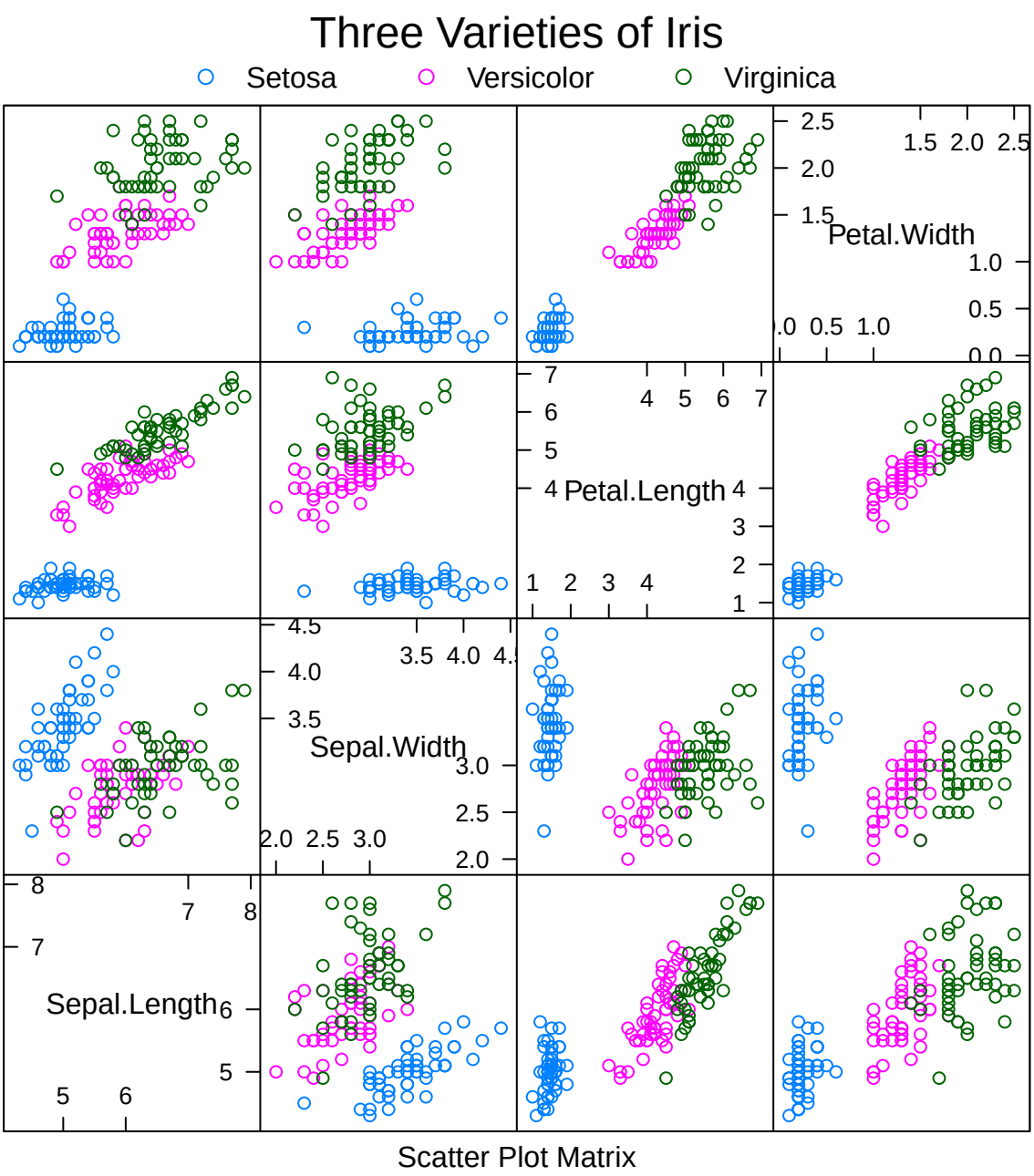
help("simpleTheme")


Soprano 2
Soprano 1
Alto 2
Alto 1
Tenor 2
Tenor 1
Bass 2
Bass 1
Percent of Total
Height (inches)
0
10
20
30
40
60
65
70
75

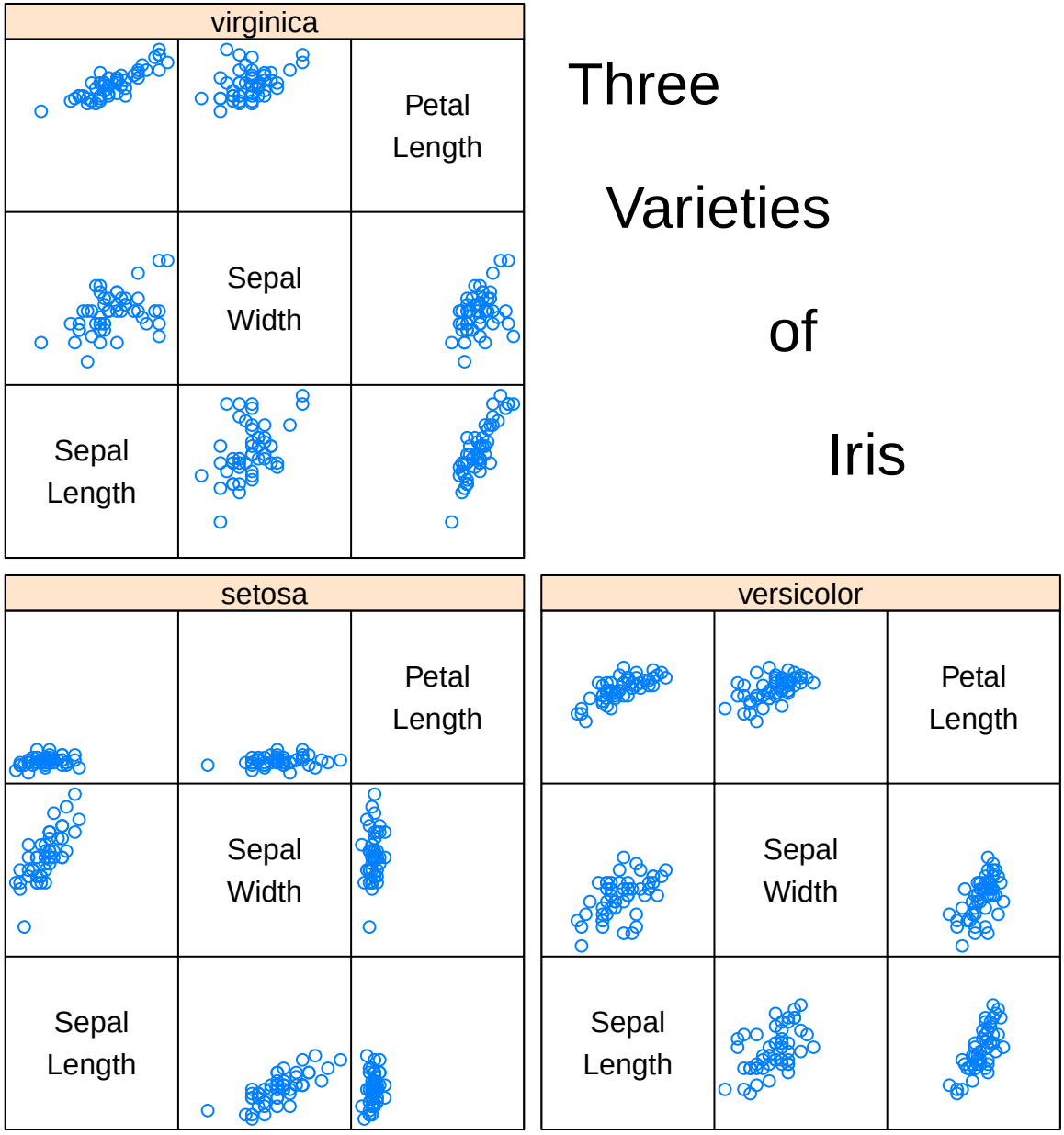
help("singer")

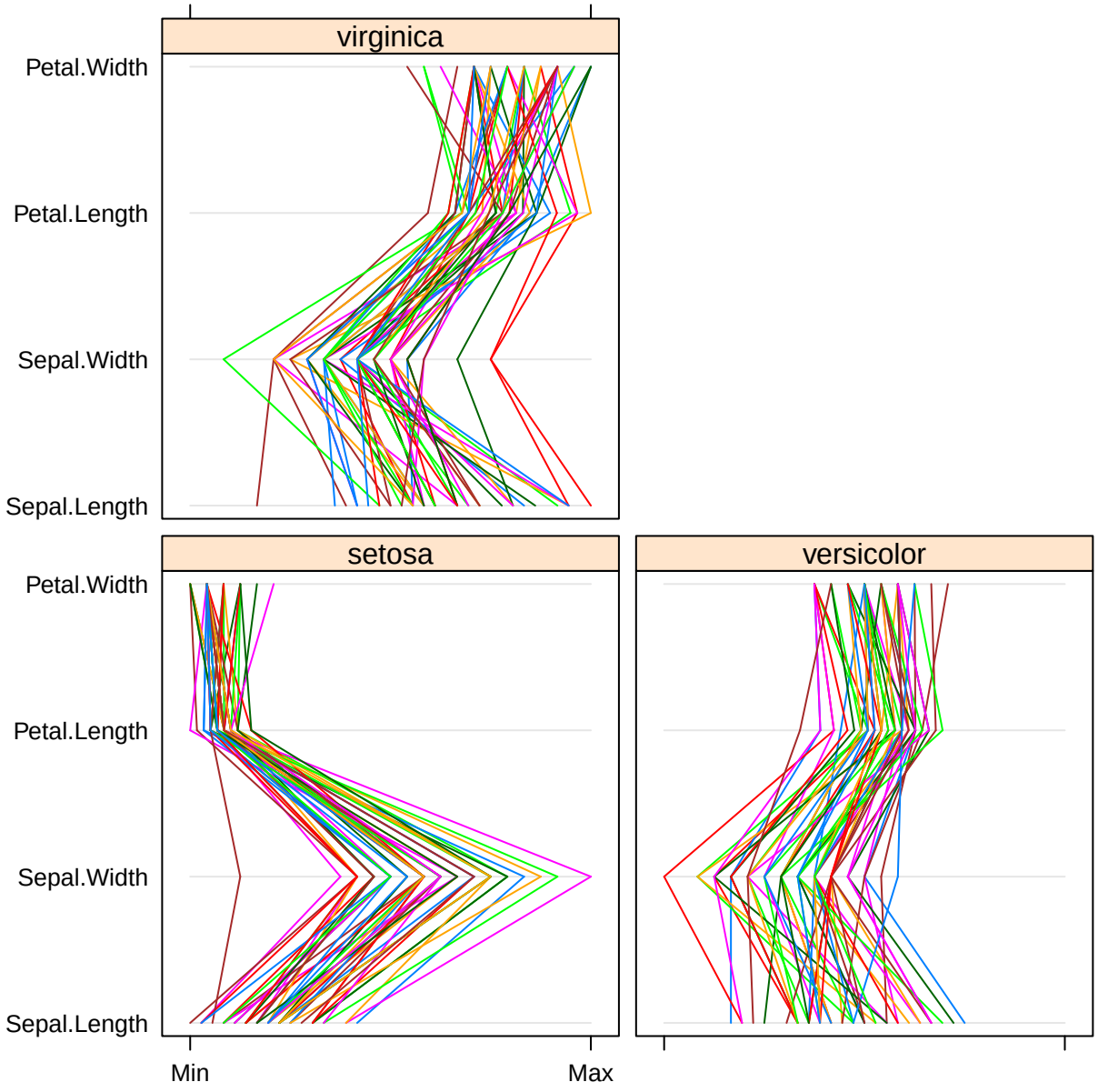

Soprano 2
Soprano 1
Alto 2
Alto 1
Tenor 2
Tenor 1
Bass 2
Bass 1
Height (inches)
Unit Normal Quantile
−2 −1 0 1 2
60 65 70 75

help("singer")

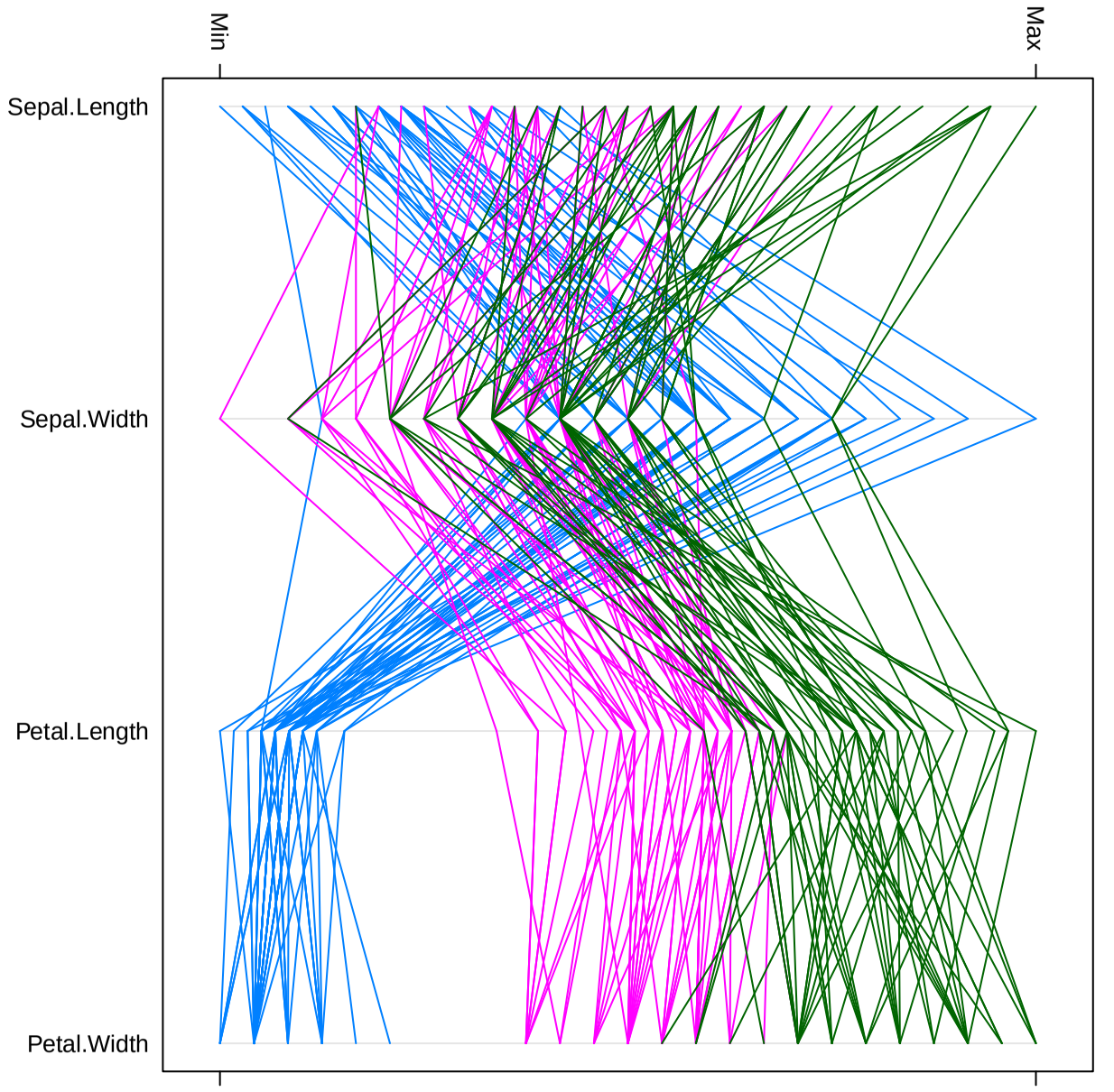

Three Varieties of Iris
Setosa
Versicolor
Virginica
Petal.Width
Petal.Length
Sepal.Width
Sepal.Length
Scatter Plot Matrix

help("splom")

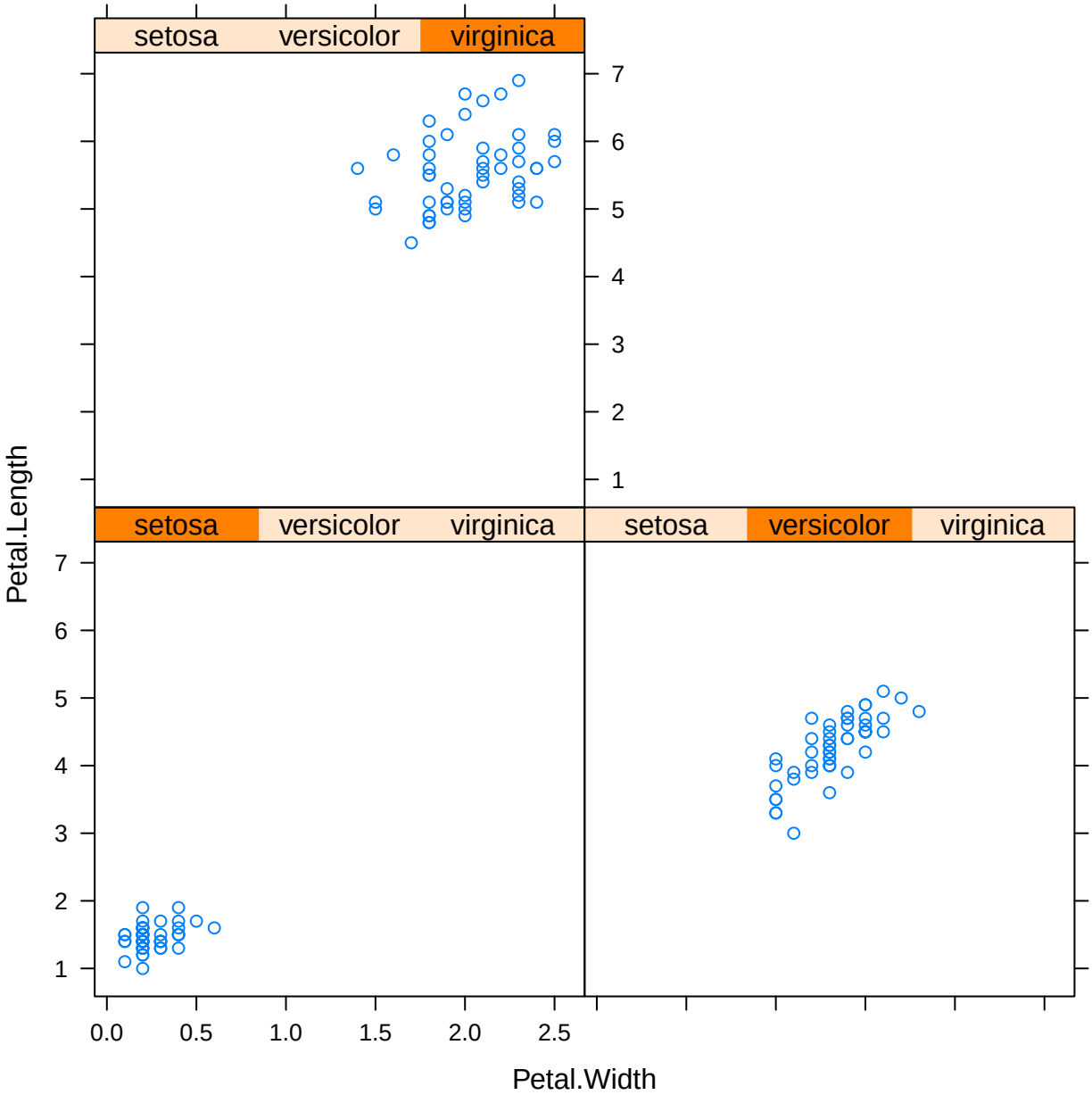

virginica
Petal Length
Sepal Width
Sepal Length
Three Varieties of Iris
setosa
Petal Length
Sepal Width
Sepal Length
versicolor
Petal Length
Sepal Width
Sepal Length
Scatter Plot Matrix


virginica
setosa
versicolor
Petal.Width
Petal.Length
Sepal.Width
Sepal.Length
Min
Max

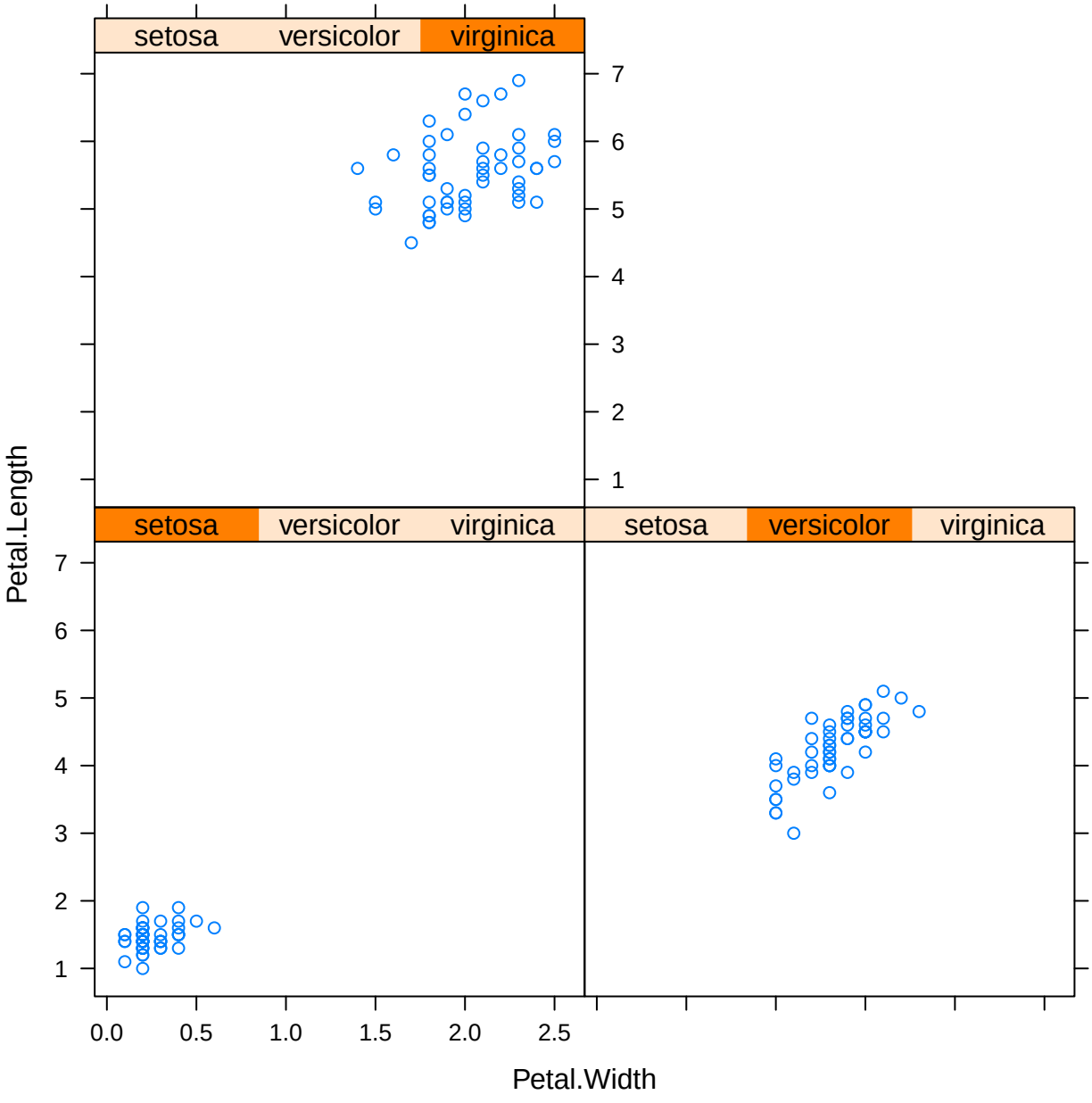
help("splom")



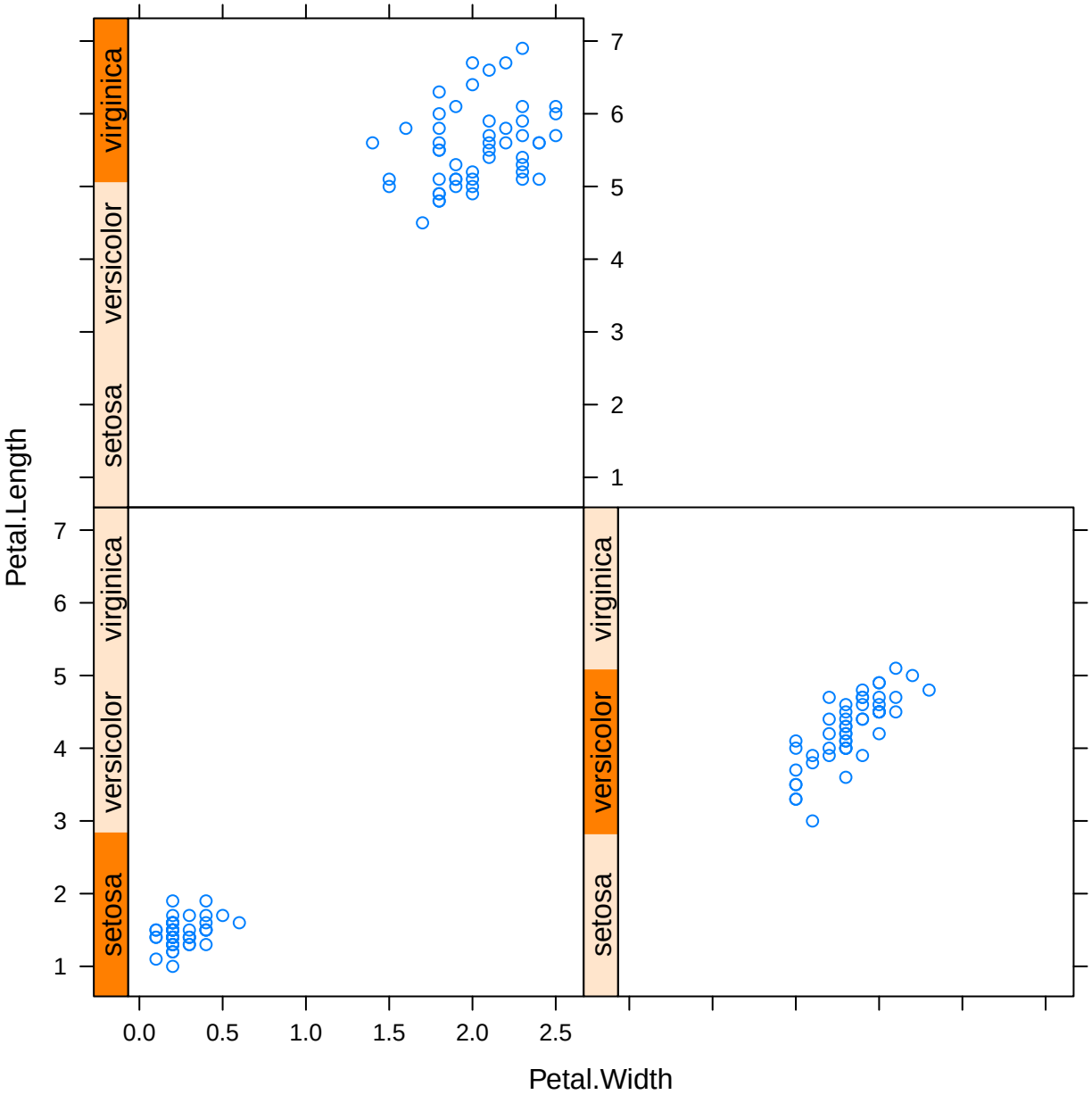
help("splom")



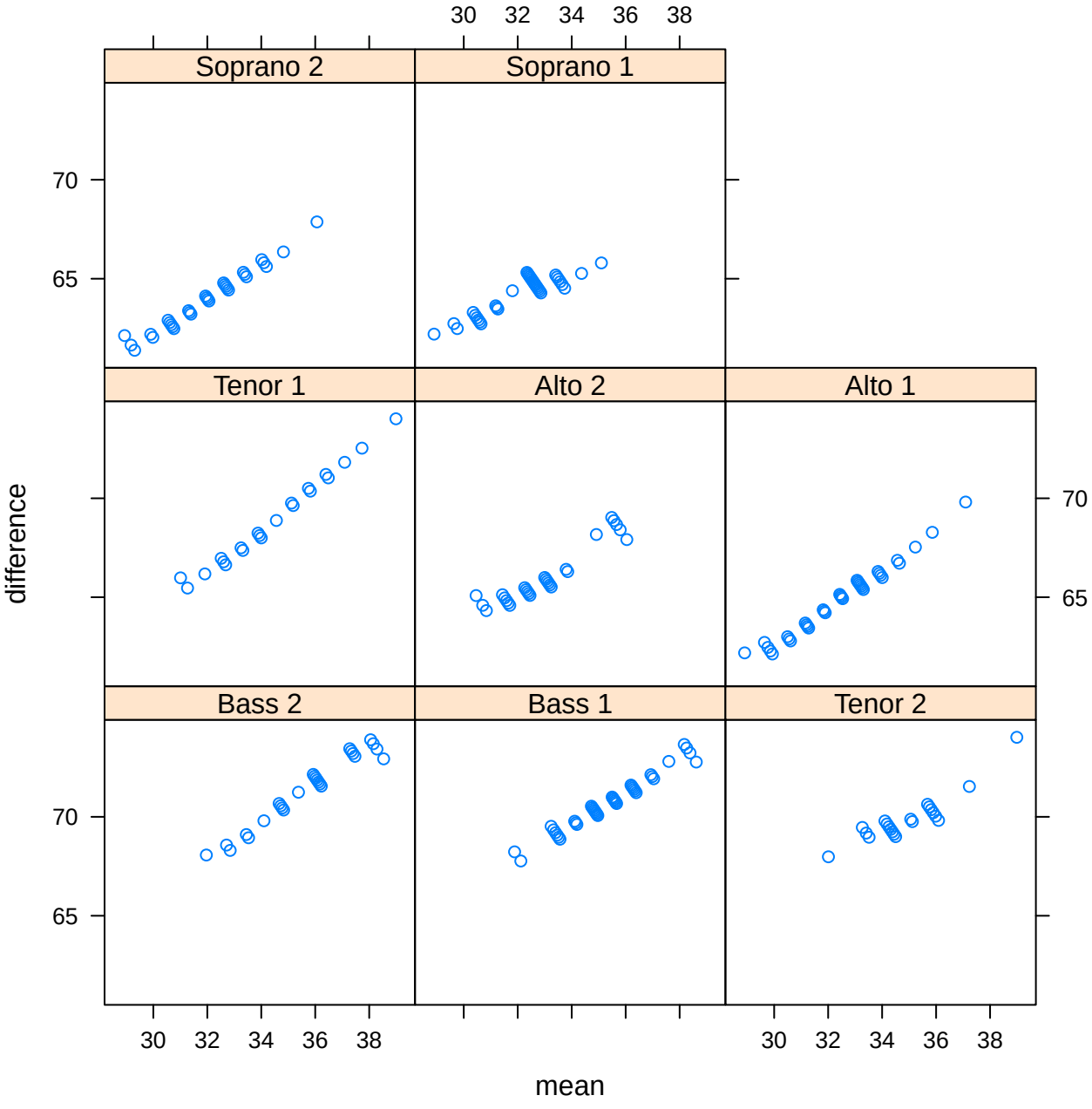
help("strip.default")

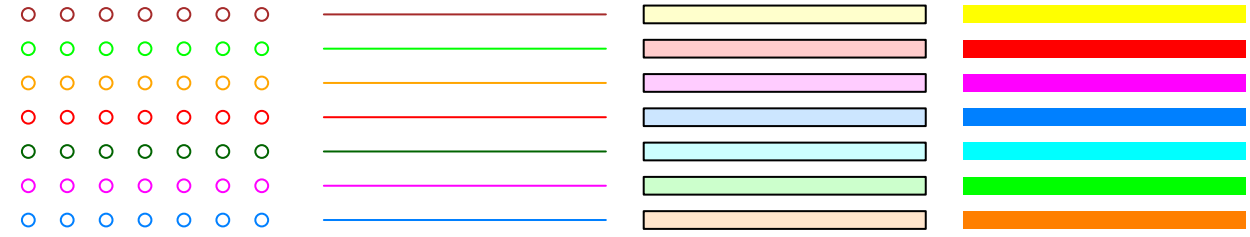


help("strip.default")

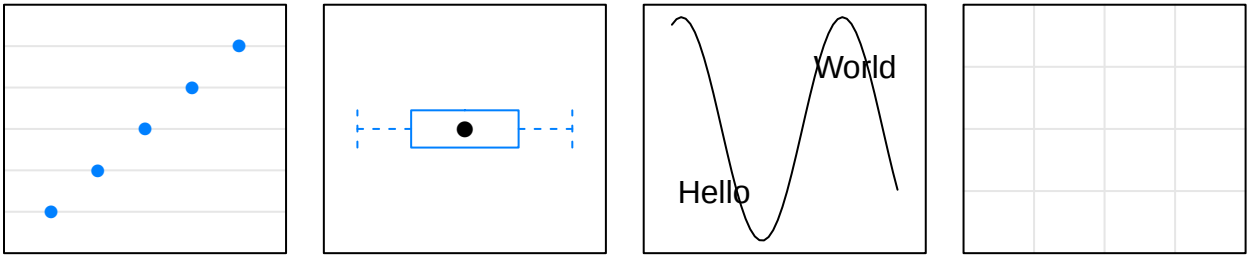


help("strip.default")

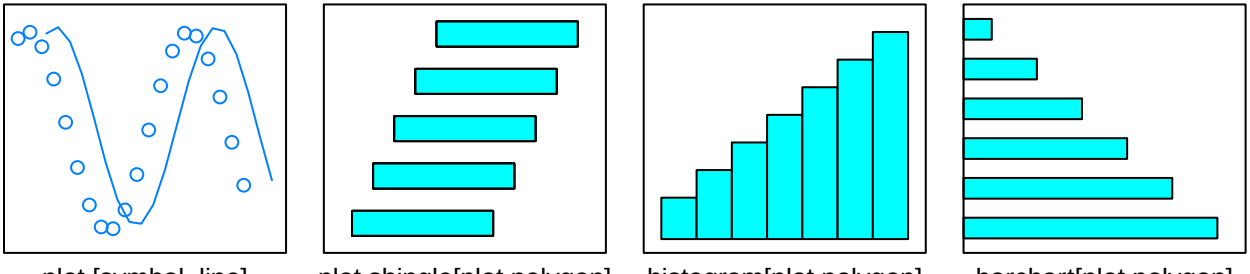

Soprano 2
Soprano 1
Tenor 1
Alto 2
Alto 1
Bass 2
Bass 1
Tenor 2
30
32
34
36
38
70
65
difference
mean
help("tmd")



superpose.symbol | superpose.line | strip.background | strip.shingle



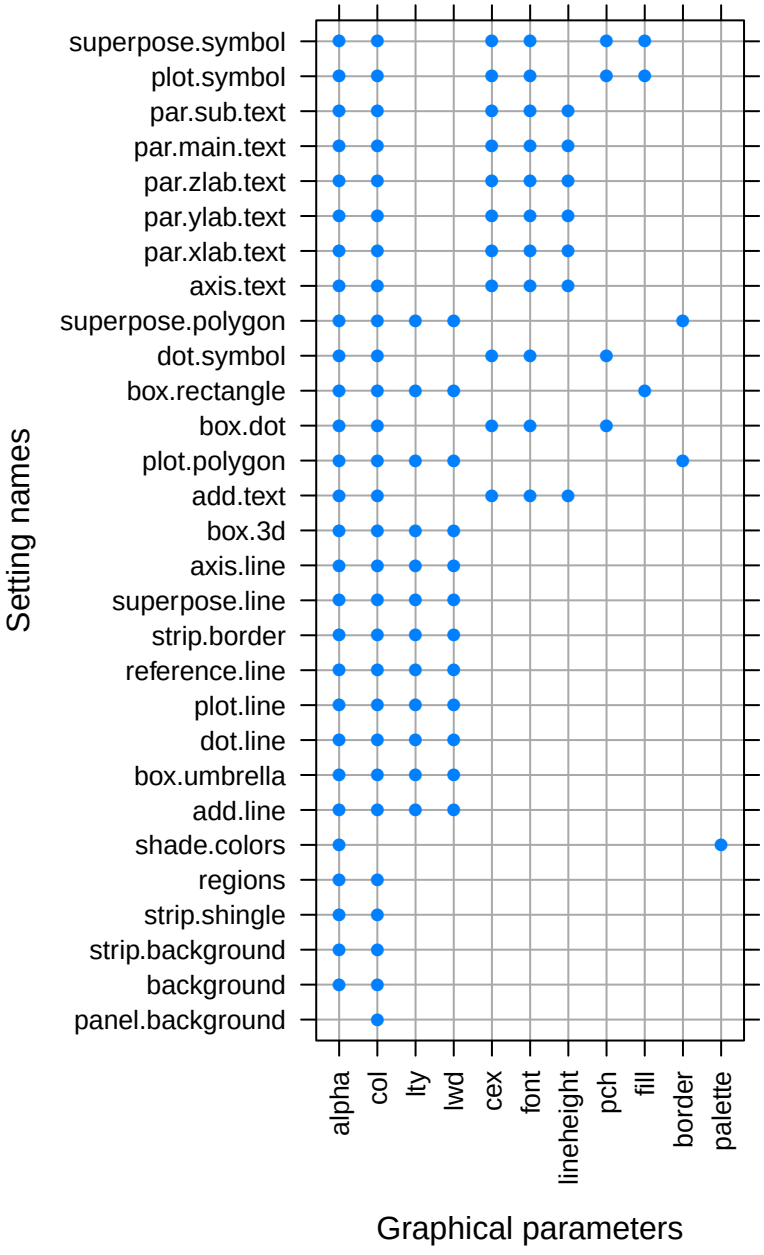
dot.[symbol, line] | box.[dot, rectangle, umbrella] | add.[line, text] | reference.line



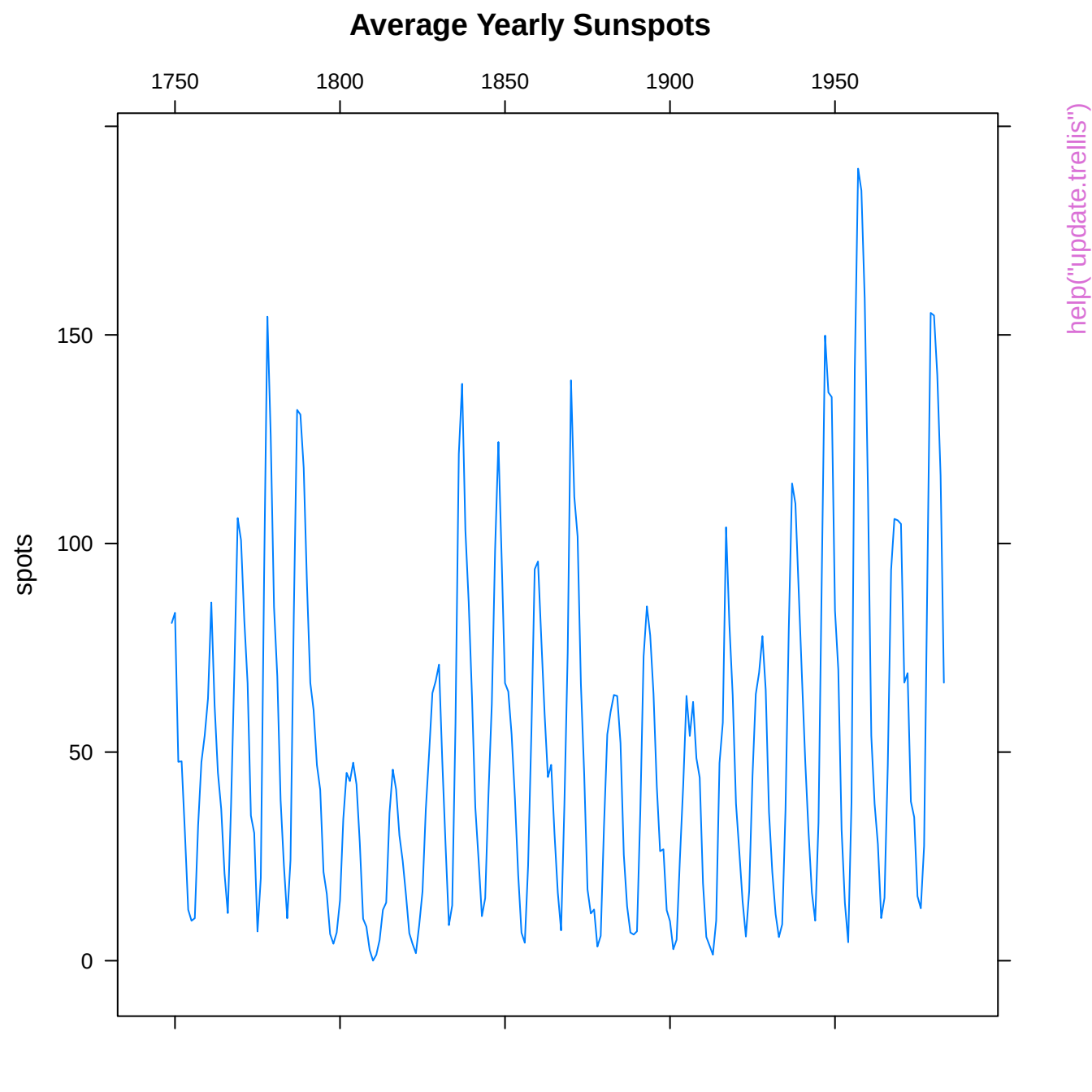
plot.[symbol, line] | plot.shingle[plot.polygon] | histogram[plot.polygon] | barchart[plot.polygon]

superpose.polygon | regions

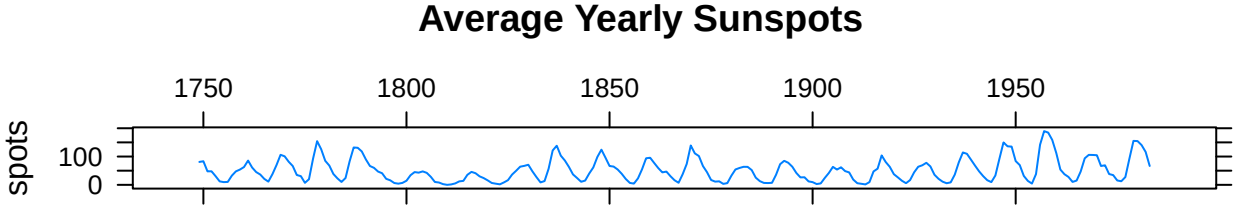
help("trellis.par.get")



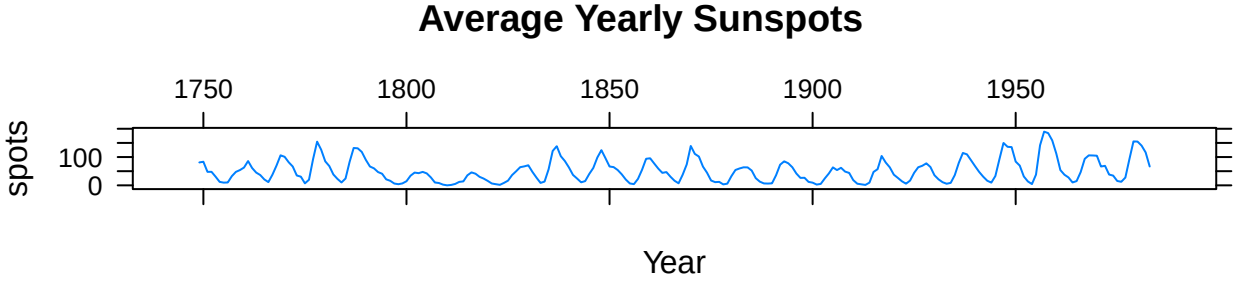
help("trellis.par.get")

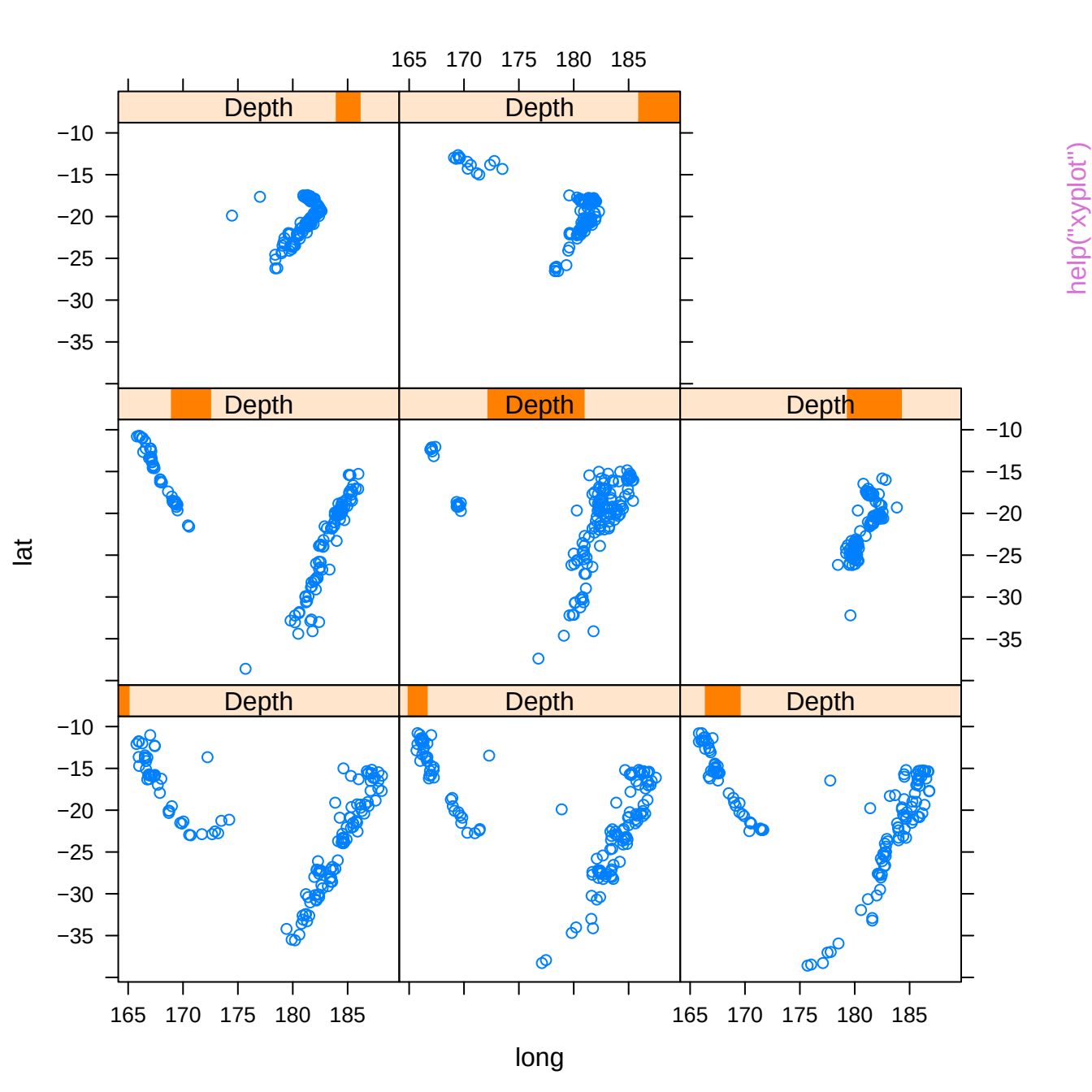

Average Yearly Sunspots
1750
1800
1850
1900
1950
spots
0
50
100
150
help("update.trellis")

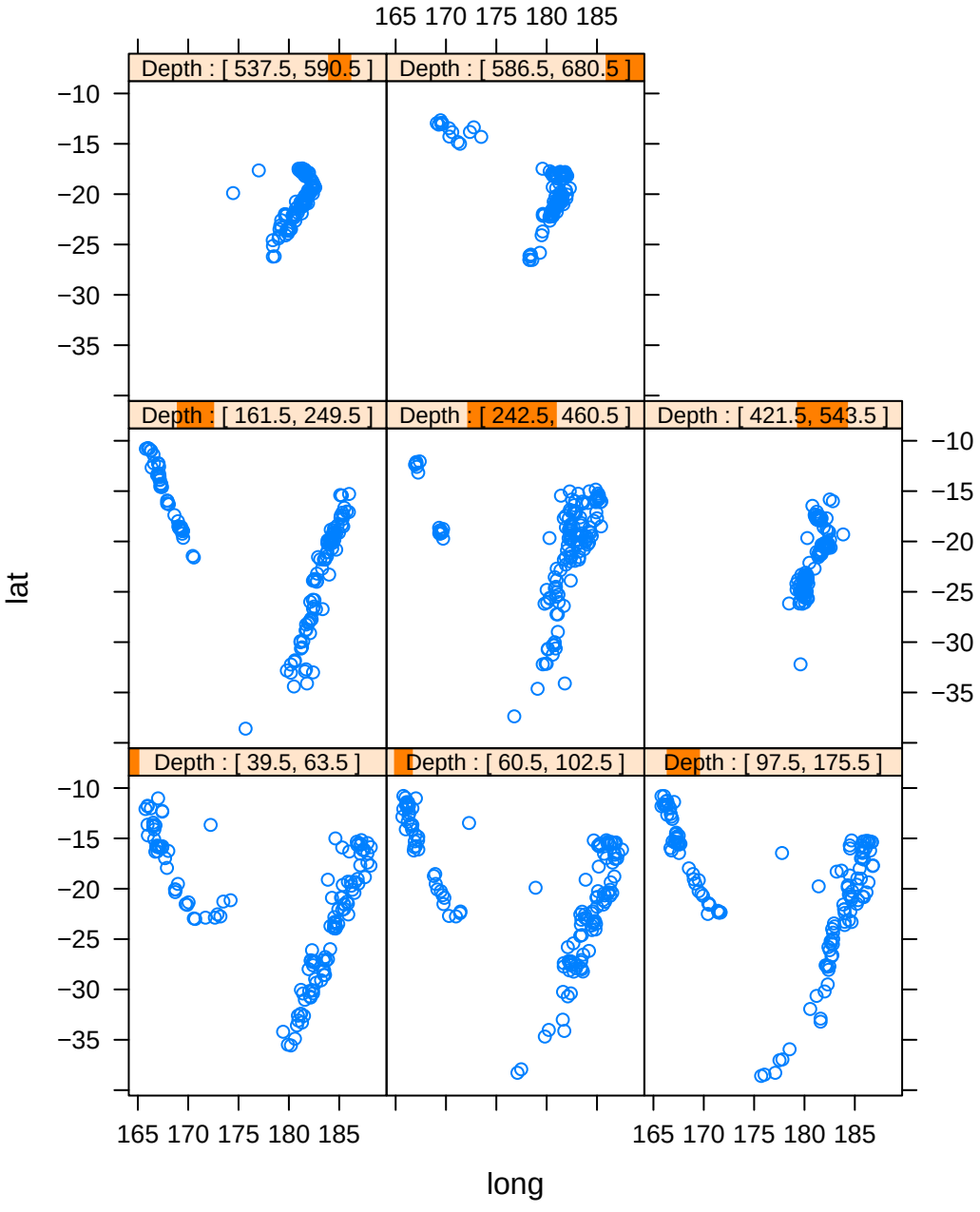
help("update.trellis")



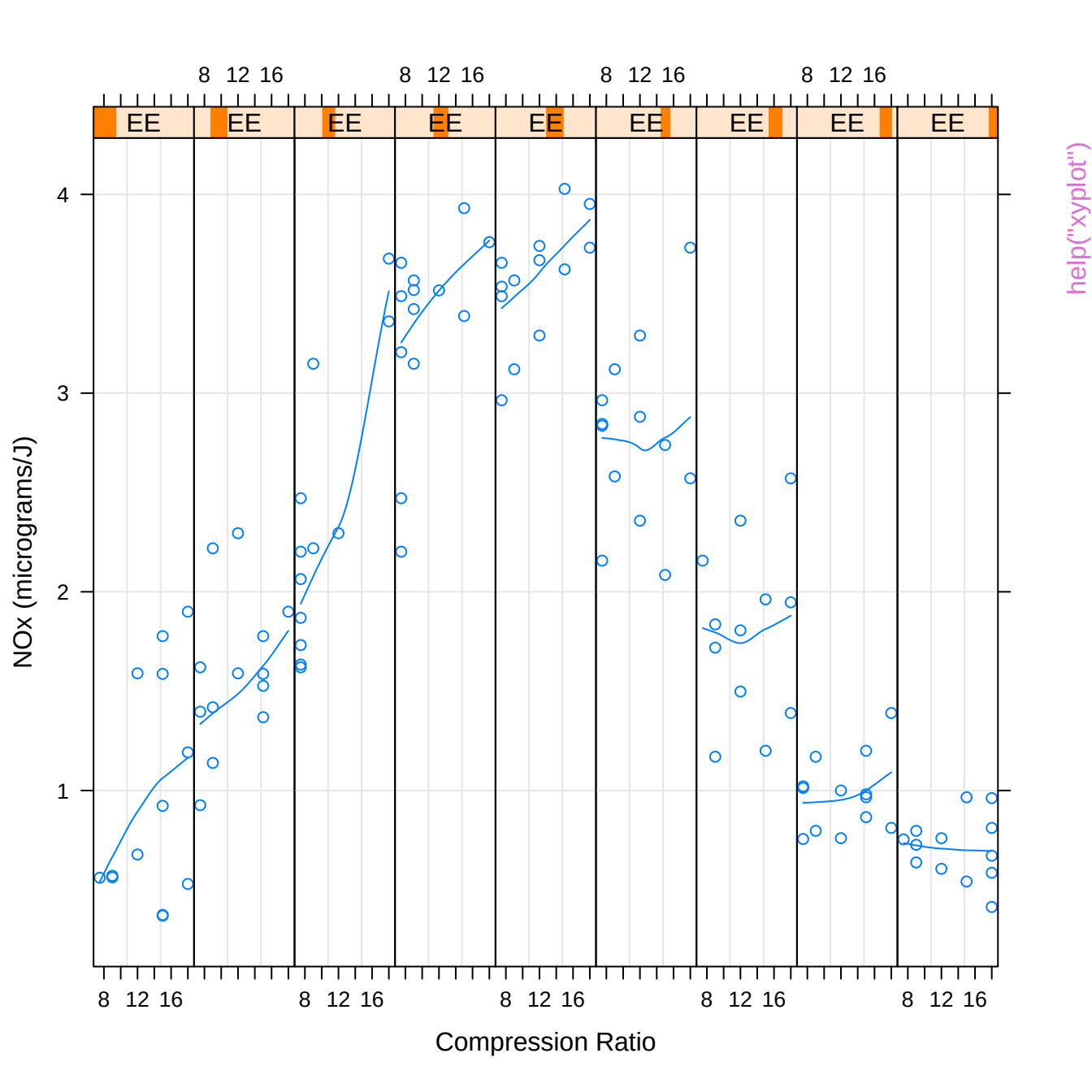
help("update.trellis")

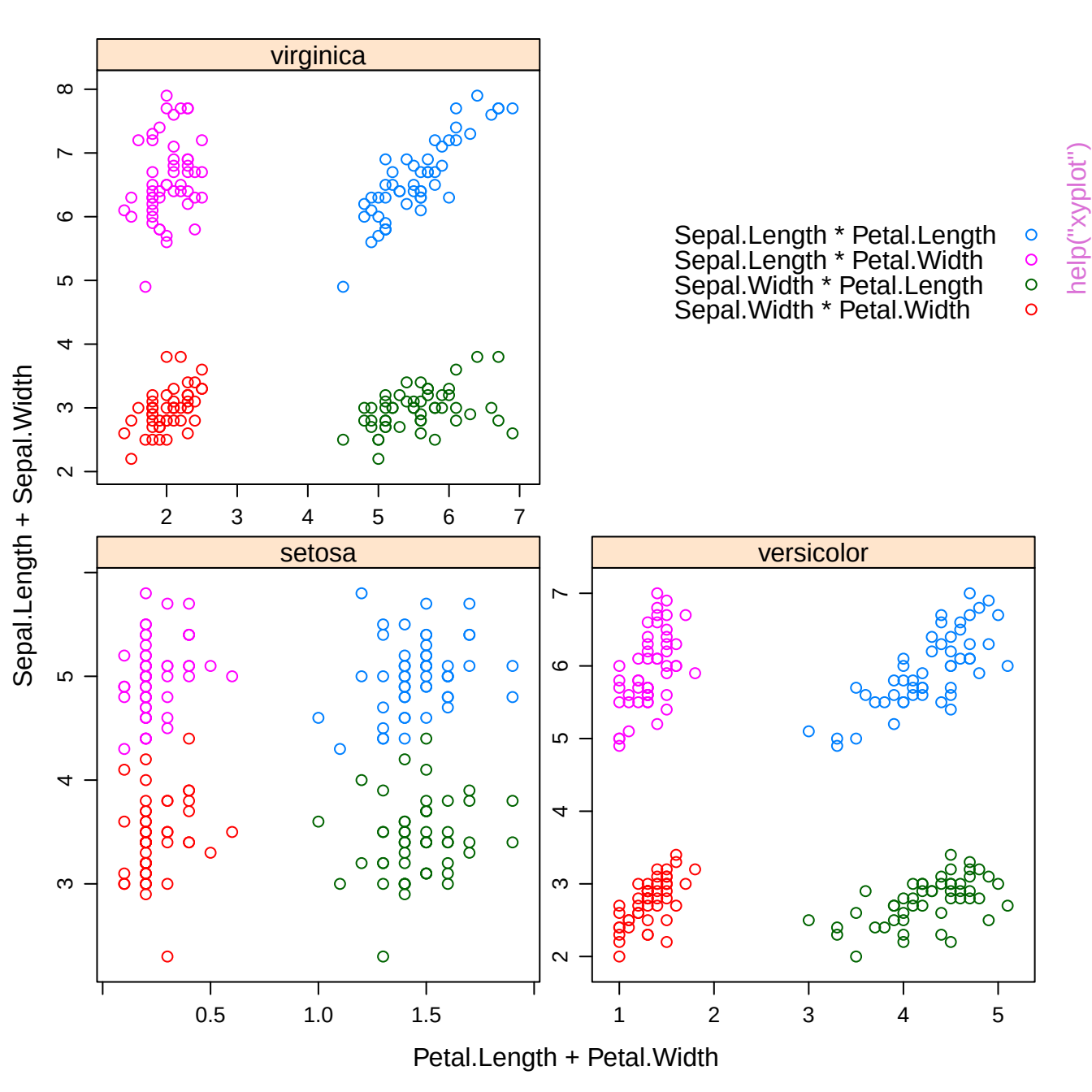


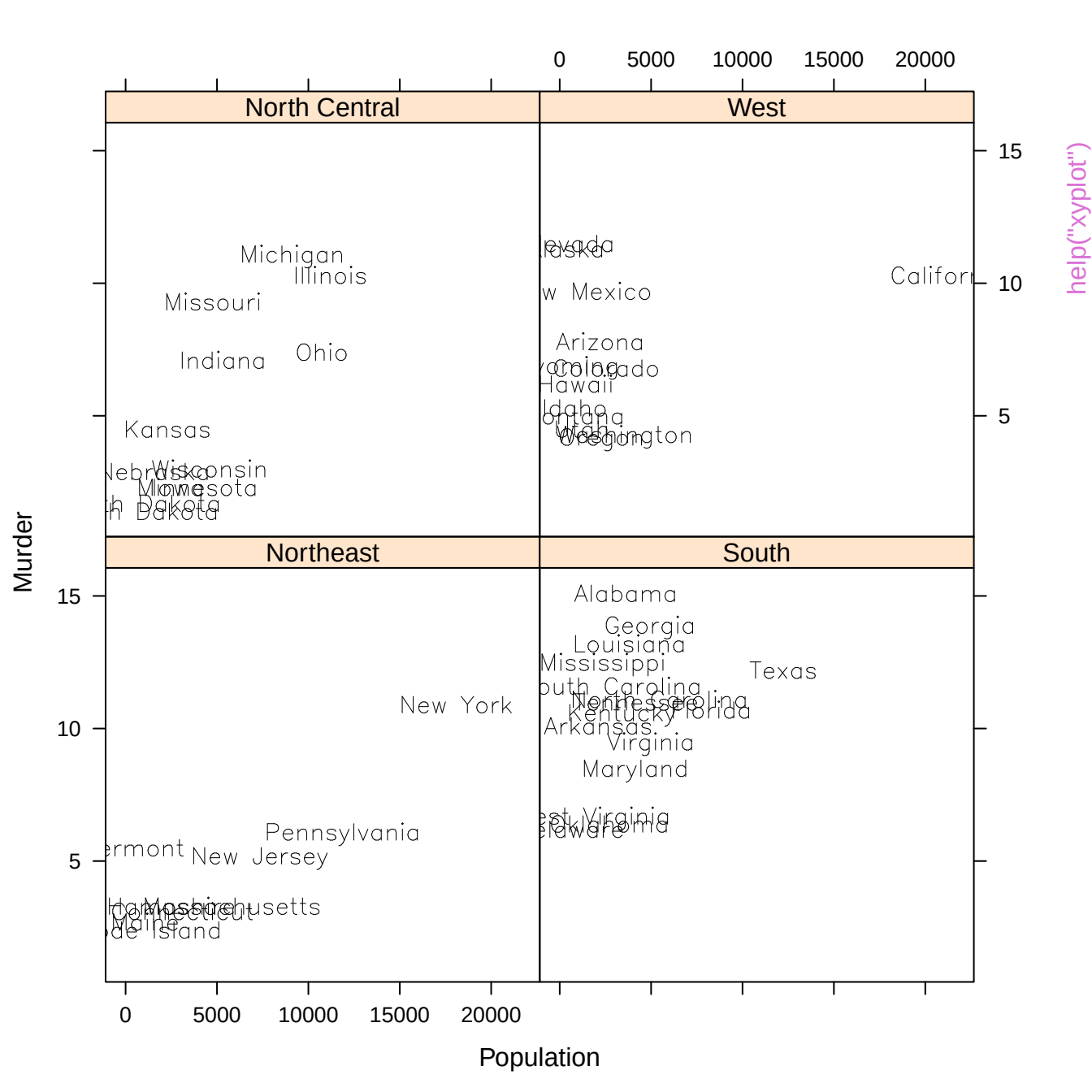

Depth
Depth
Depth
Depth
Depth
Depth
Depth
Depth
lat
long
165
170
175
180
185
−10
−15
−20
−25
−30
−35
help("xyplot")

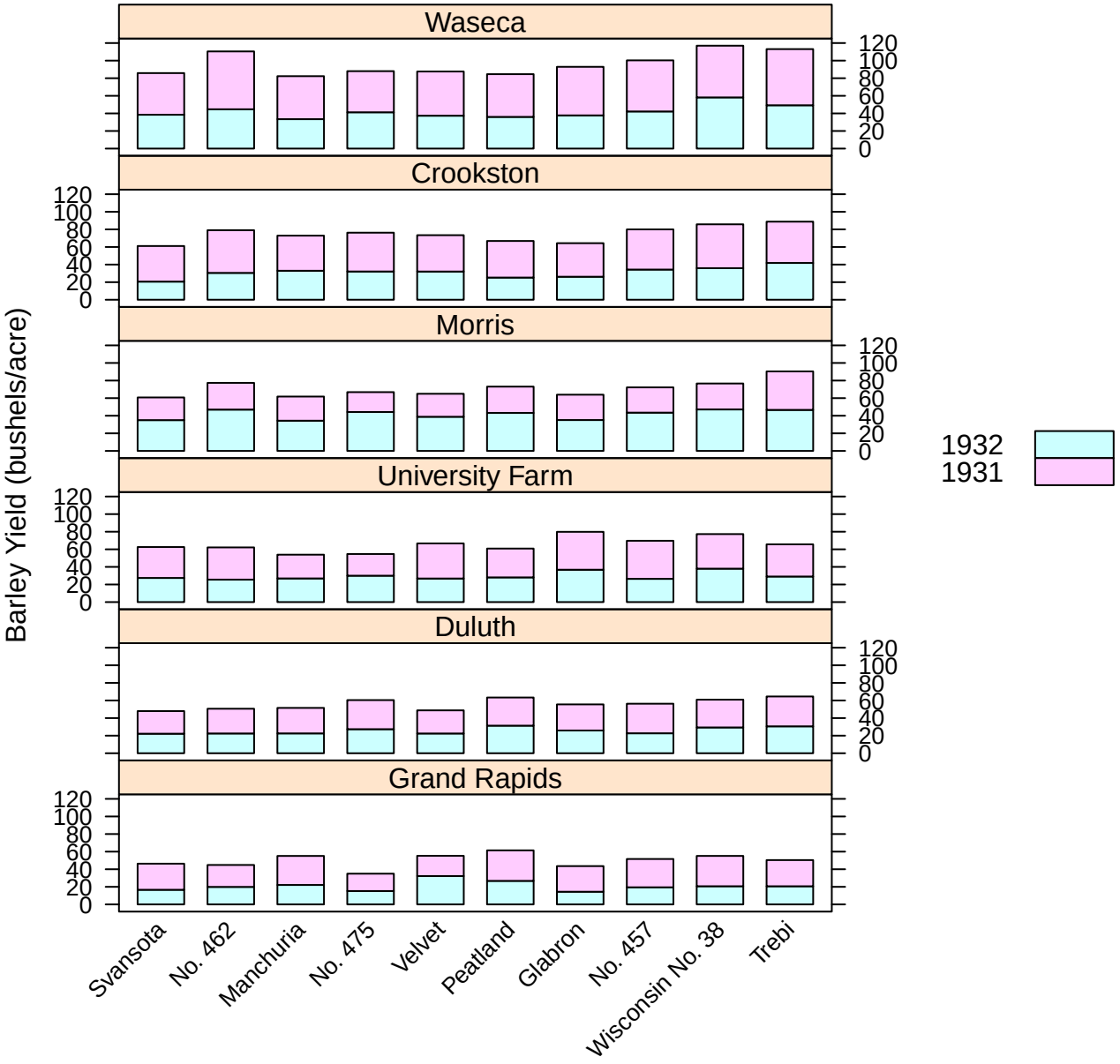

Depth : [537.5, 590.5]
Depth : [586.5, 680.5]
Depth : [161.5, 249.5]
Depth : [242.5, 460.5]
Depth : [421.5, 543.5]
Depth : [39.5, 63.5]
Depth : [60.5, 102.5]
Depth : [97.5, 175.5]
lat
long
165 170 175 180 185
−10
−15
−20
−25
−30
−35

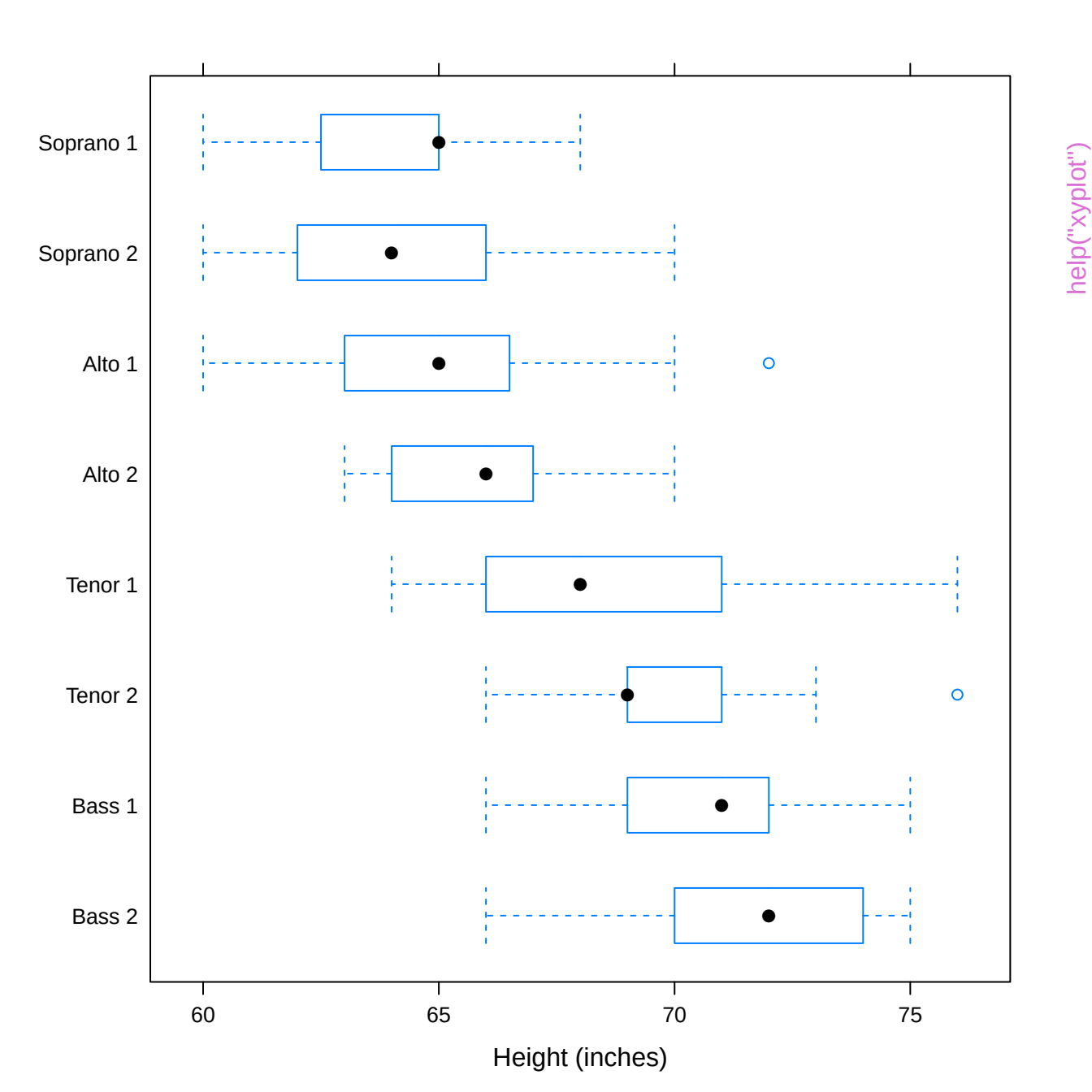
help("xyplot")

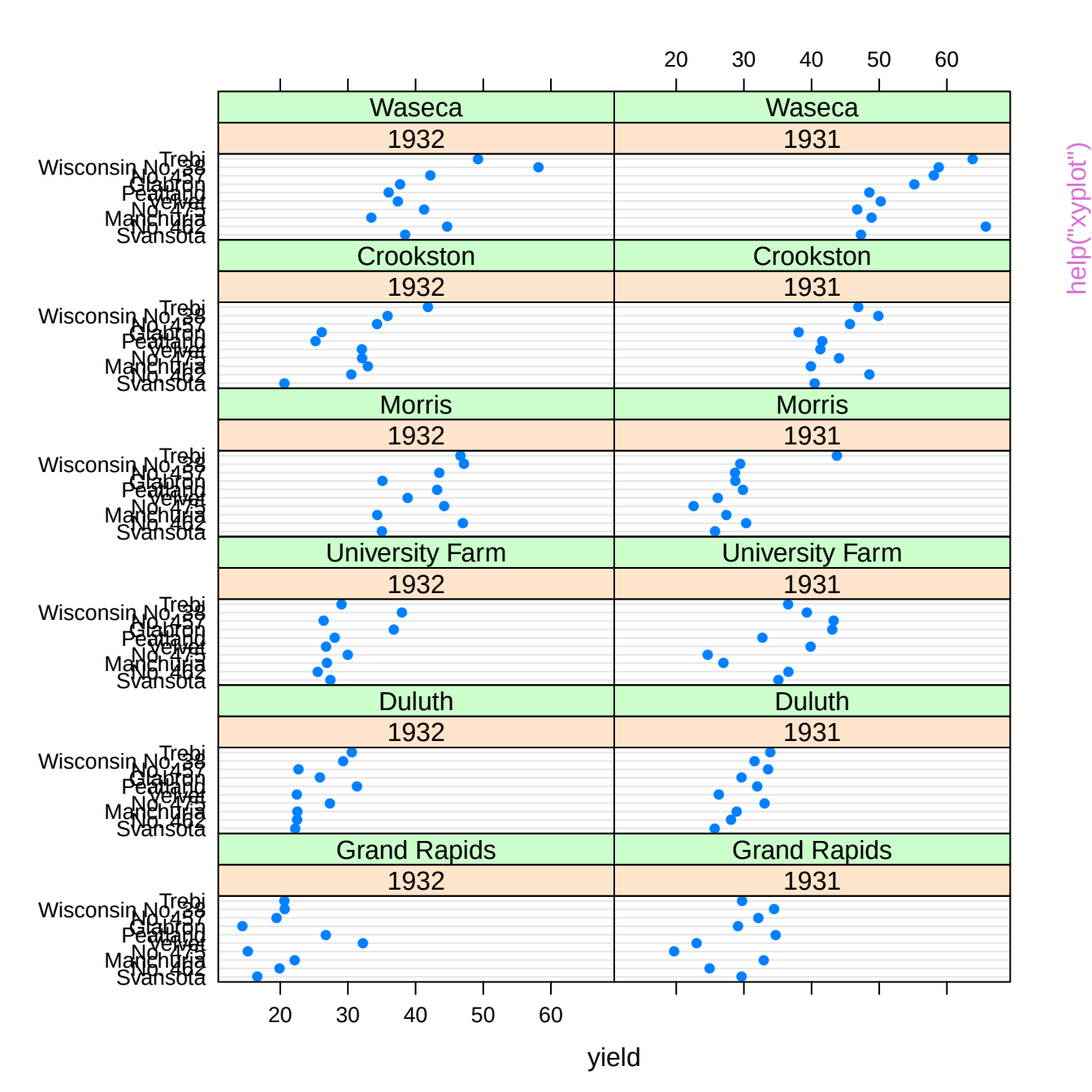

EE
NOx (micrograms/J)
Compression Ratio
help("xyplot")

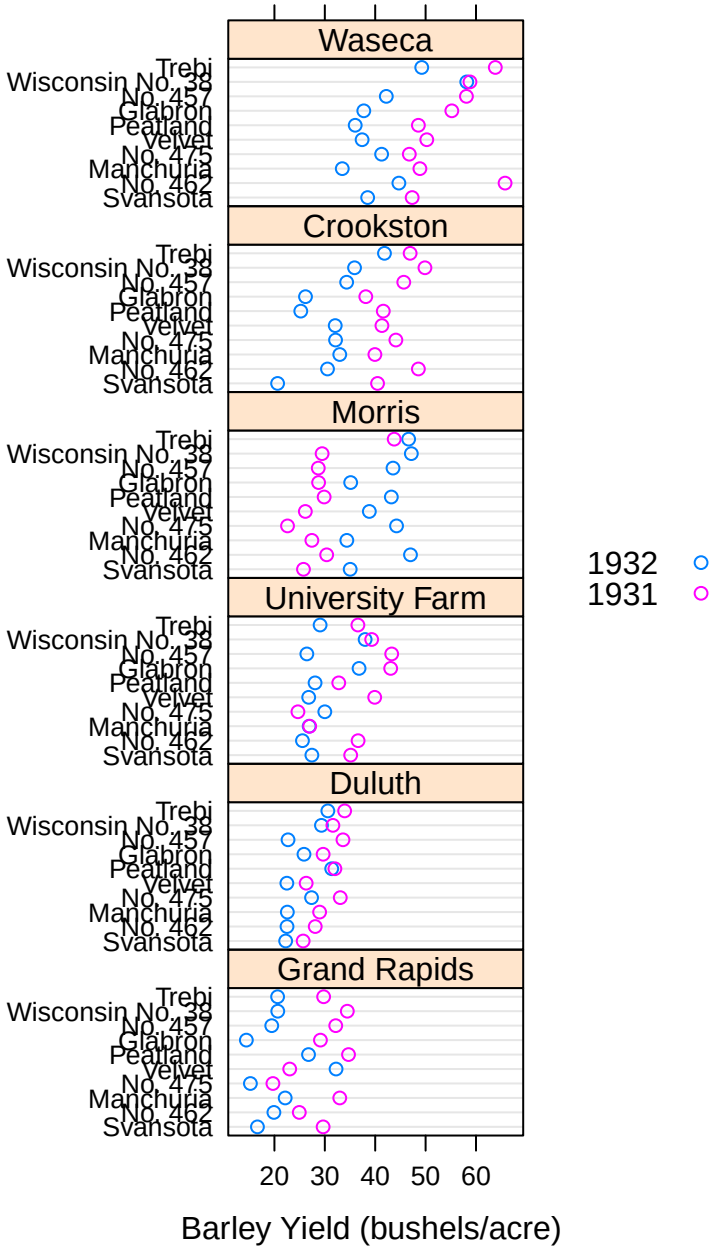

virginica
setosa
versicolor
Sepal.Length + Sepal.Width
Petal.Length + Petal.Width
Sepal.Length * Petal.Length
Sepal.Length * Petal.Width
Sepal.Width * Petal.Length
Sepal.Width * Petal.Width
help("xyplot")

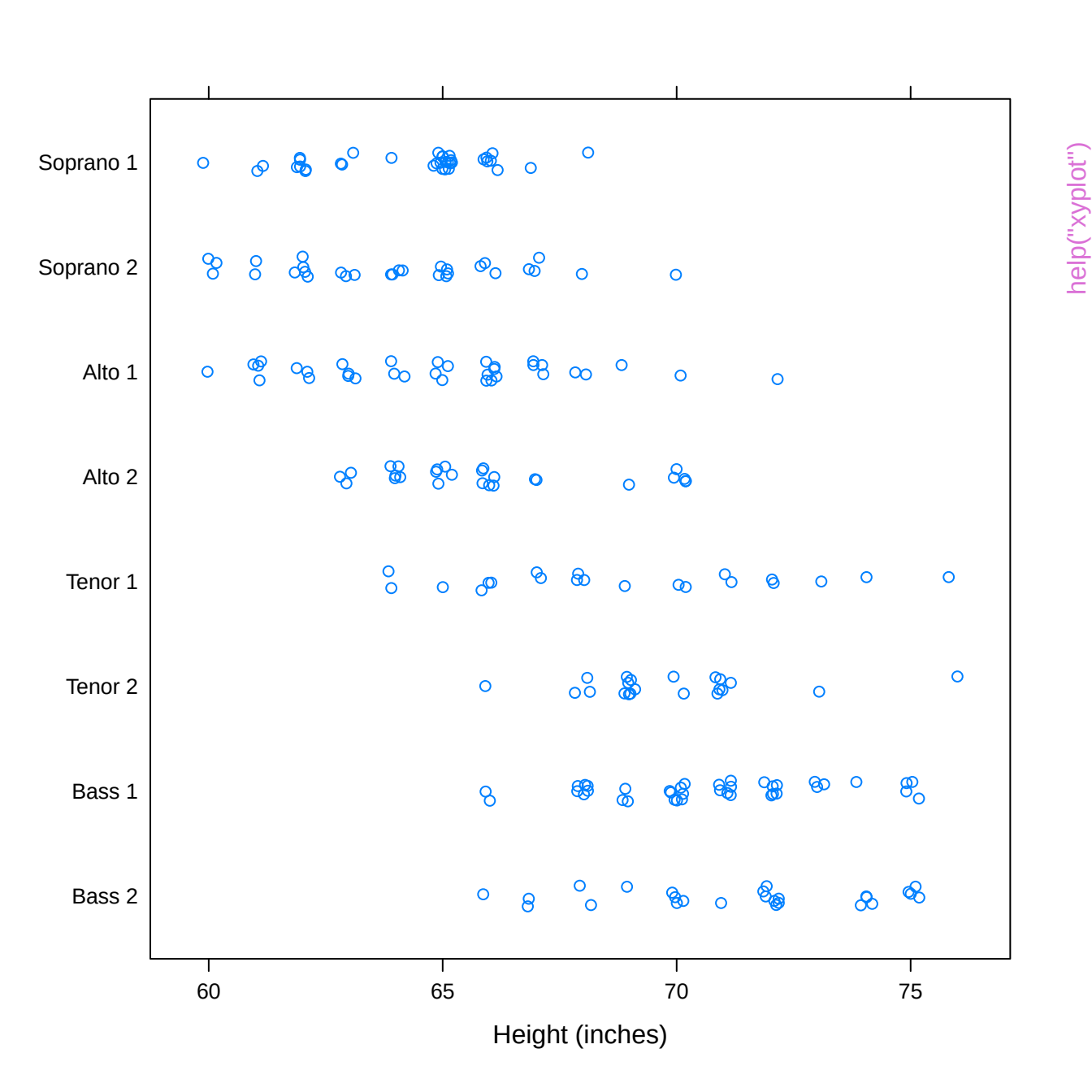

North Central
West
Northeast
South
Murder
Population
0
5000
10000
15000
20000
5
10
15
Michigan
Illinois
Missouri
Indiana
Ohio
Kansas
Wisconsin
Minnesota
Mexico
Arizona
Hawaii
Oregon
Alabama
Georgia
Louisiana
Mississippi
Texas
Kentucky
Virginia
Maryland
New York
Pennsylvania
New Jersey
help("xyplot")

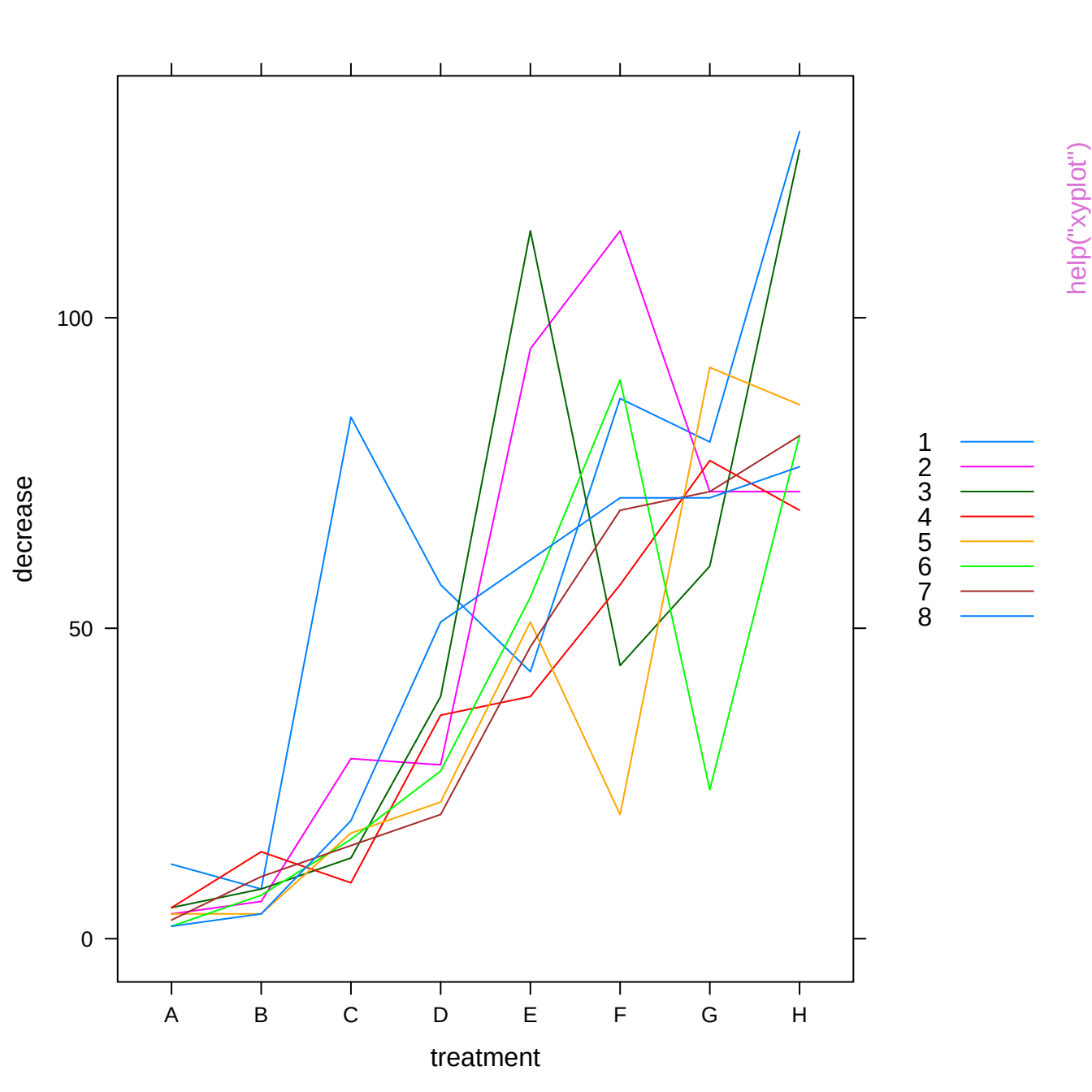

Waseca
Crookston
Morris
University Farm
Duluth
Grand Rapids
Barley Yield (bushels/acre)
0
20
40
60
80
100
120
Svansota
No. 462
Manchuria
No. 475
Velvet
Peatland
Glabron
No. 457
Wisconsin No. 38
Trebi
1932
1931
help("xyplot")

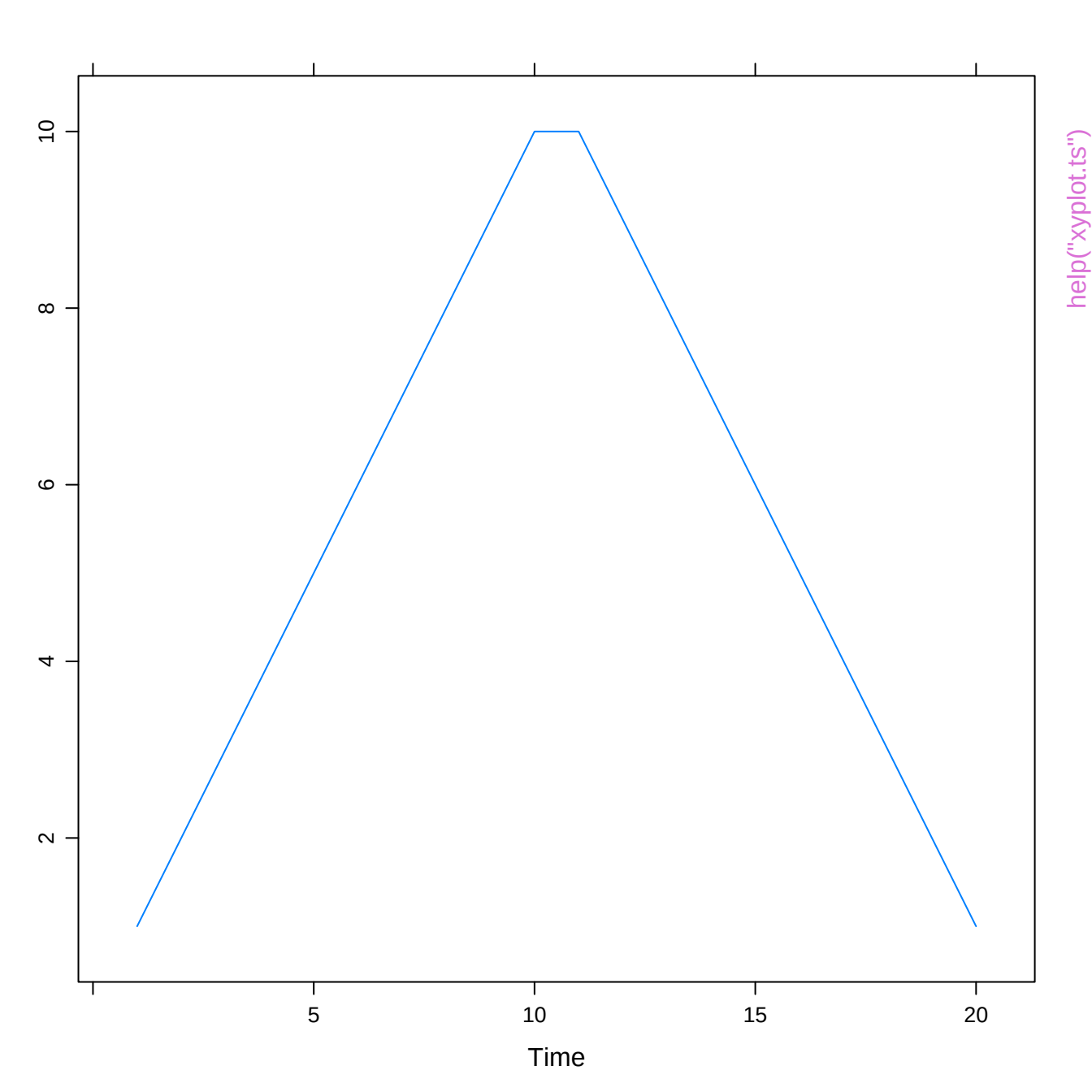

Soprano 1
Soprano 2
Alto 1
Alto 2
Tenor 1
Tenor 2
Bass 1
Bass 2
60
65
70
75
Height (inches)
help("xyplot")

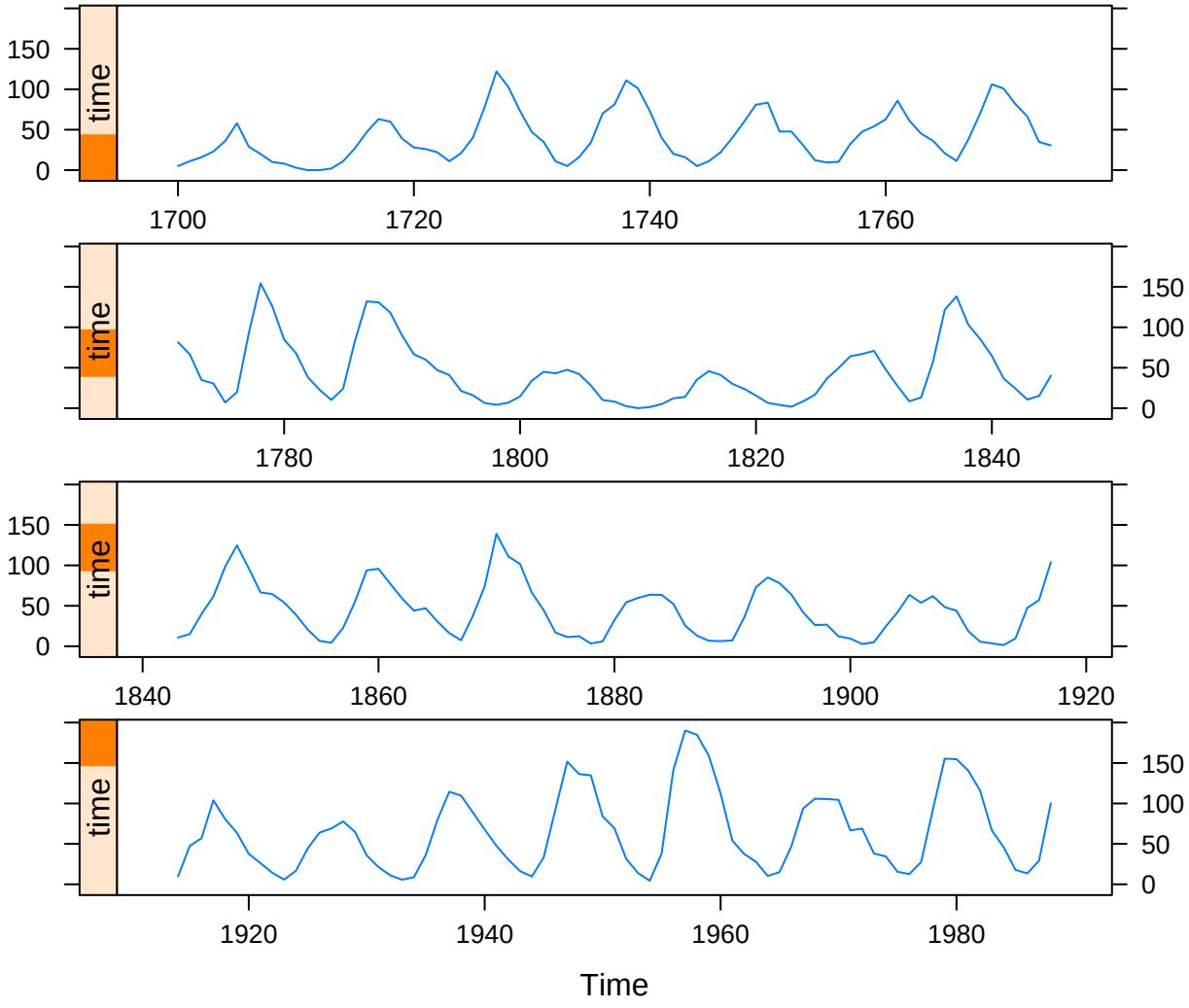

Waseca
1932
1931
Crookston
Morris
University Farm
Duluth
Grand Rapids
Trebi
Wisconsin No38
No457
Glabron
Peatland
No475
Manchuria
No462
Svansota
20
30
40
50
60
yield
help("xyplot")


Waseca
Crookston
Morris
University Farm
Duluth
Grand Rapids
Trebi
Wisconsin No. 38
No. 457
Glabron
Peatland
Velvet
No. 475
Manchuria
No. 462
Svansota
20
30
40
50
60
Barley Yield (bushels/acre)
1932
1931

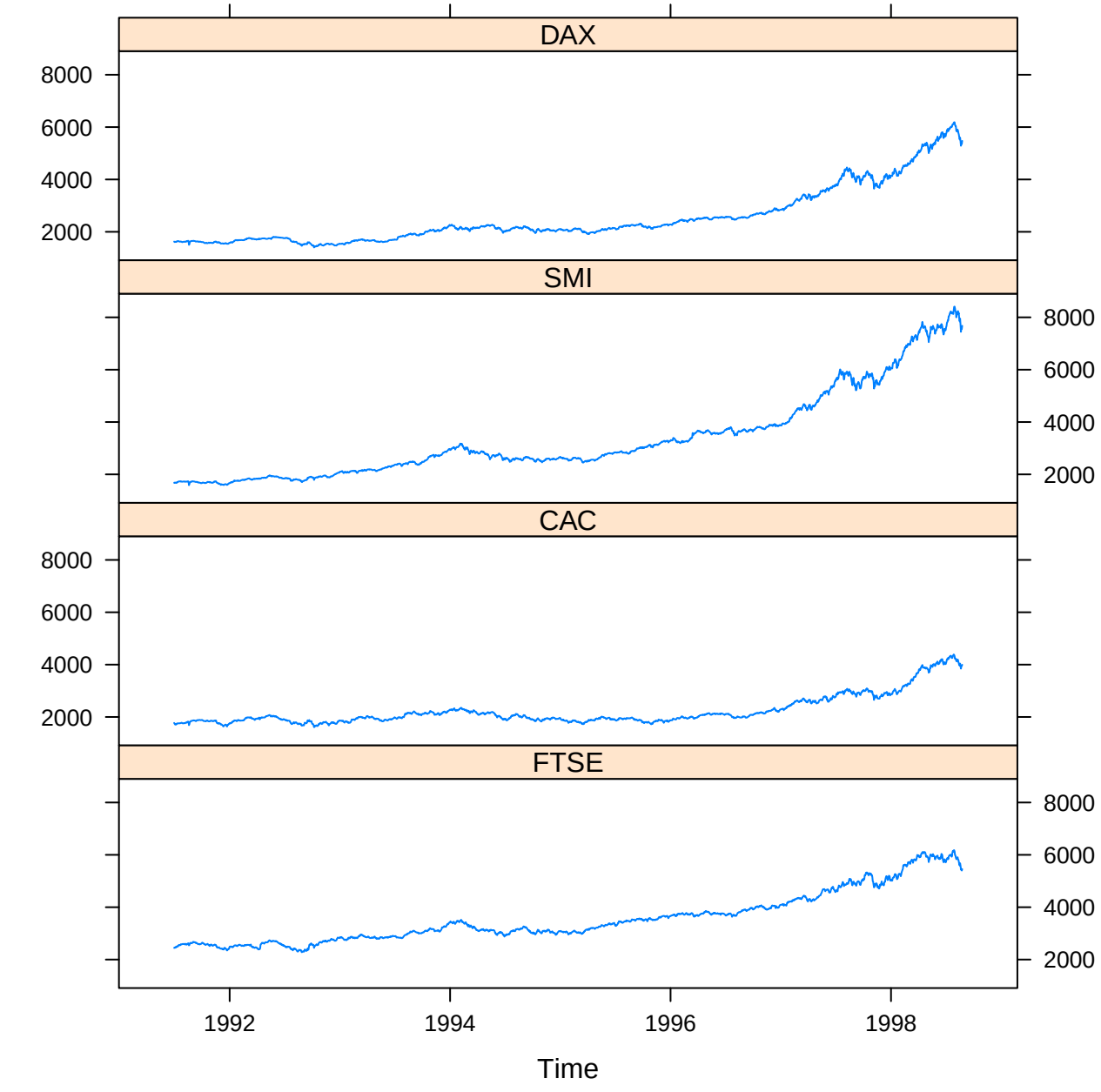

Soprano 1
Soprano 2
Alto 1
Alto 2
Tenor 1
Tenor 2
Bass 1
Bass 2
60
65
70
75
Height (inches)
help("xyplot")


decrease
100
50
0
A
B
C
D
E
F
G
H
treatment
1
2
3
4
5
6
7
8
help("xyplot")

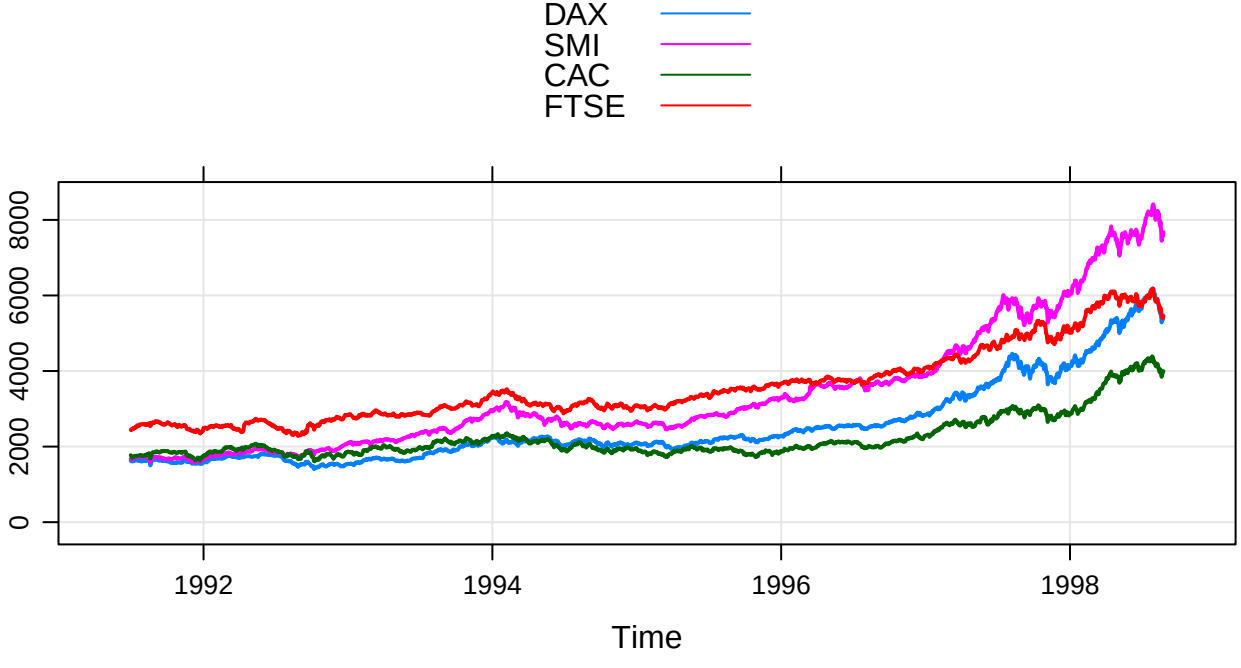

help("xyplot.ts")
10
8
6
4
2
5
10
15
20
Time

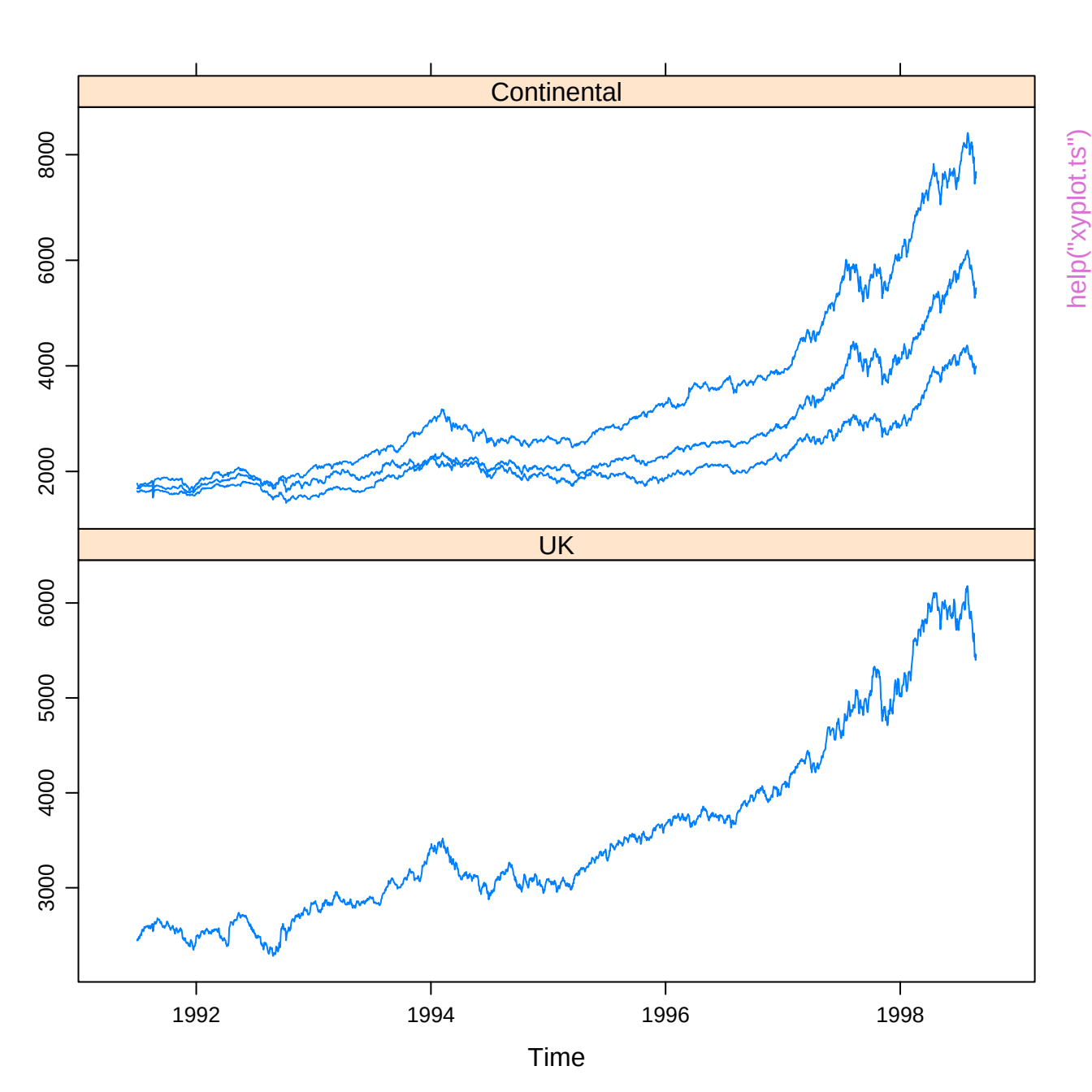


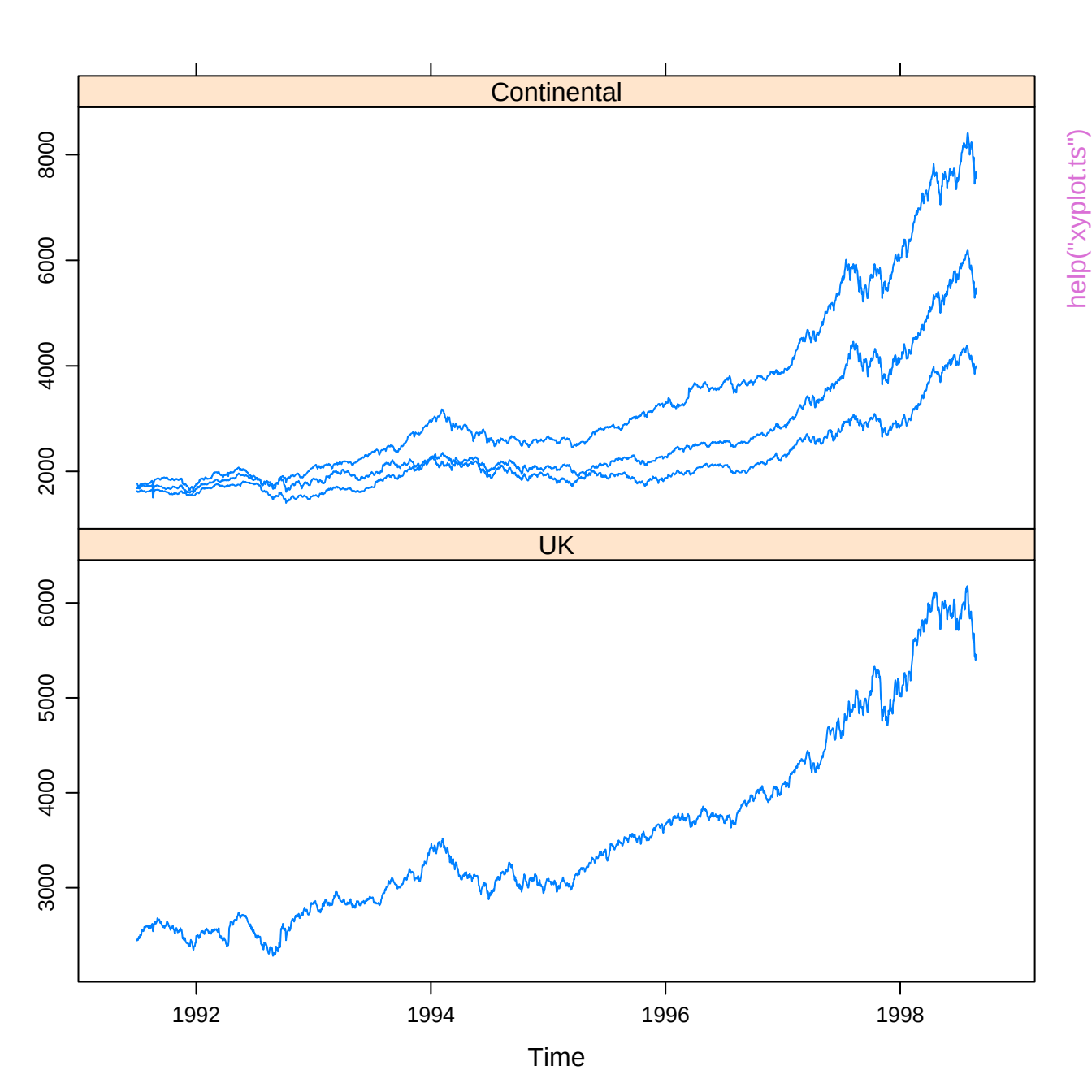
help("xyplot.ts")

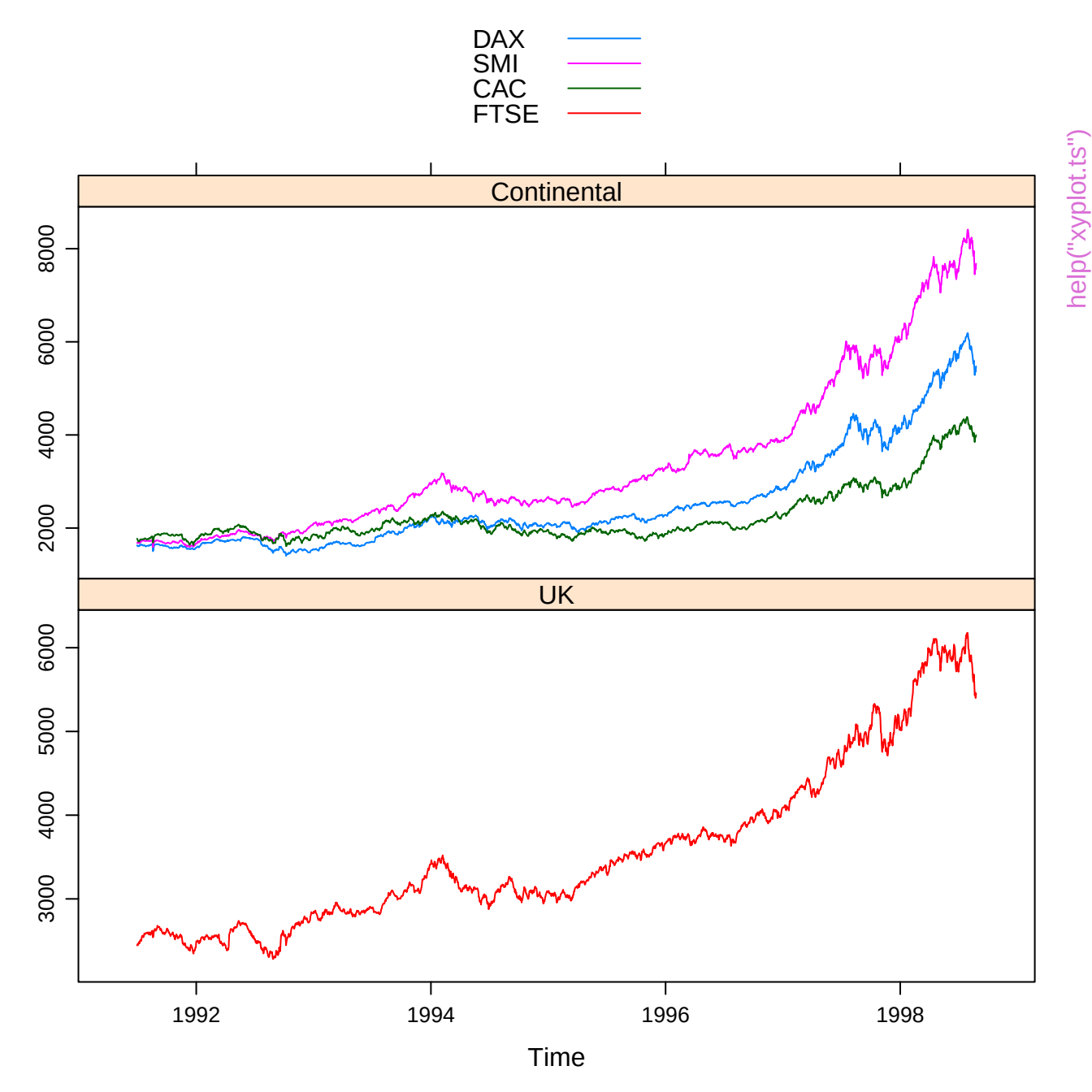

DAX
SMI
CAC
FTSE
8000
6000
4000
2000
1992
1994
1996
1998
Time
help("xyplot.ts")

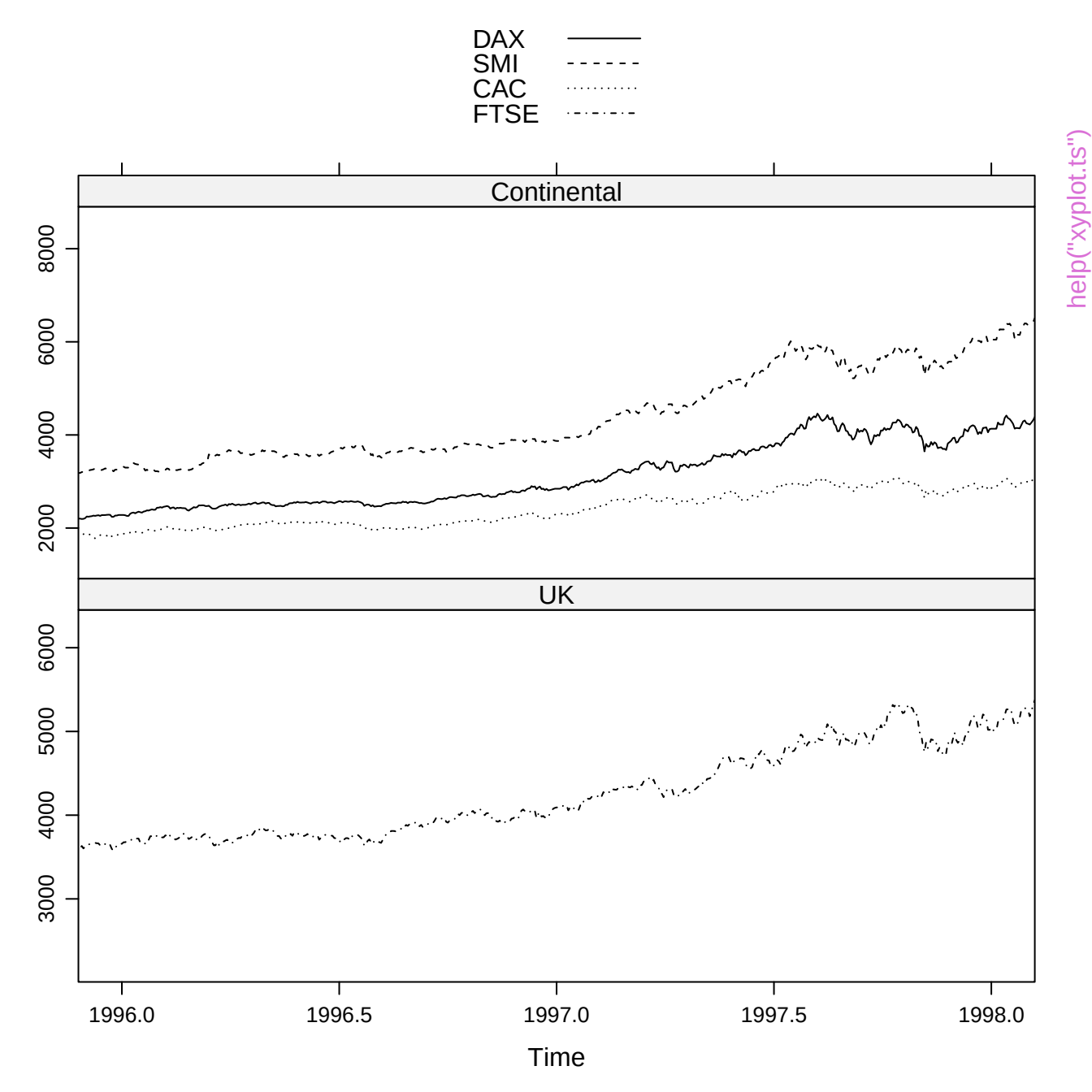
help("xyplot.ts")

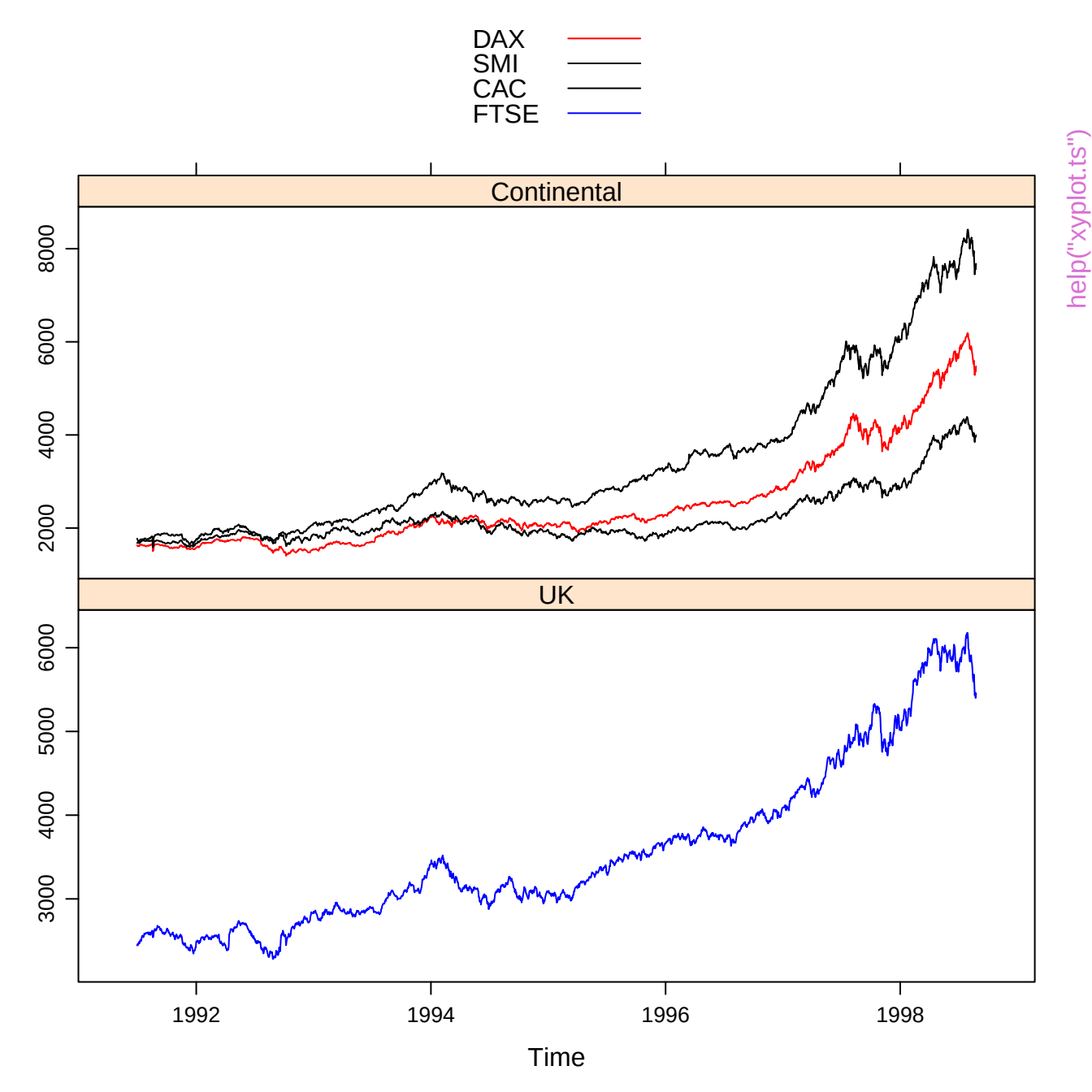


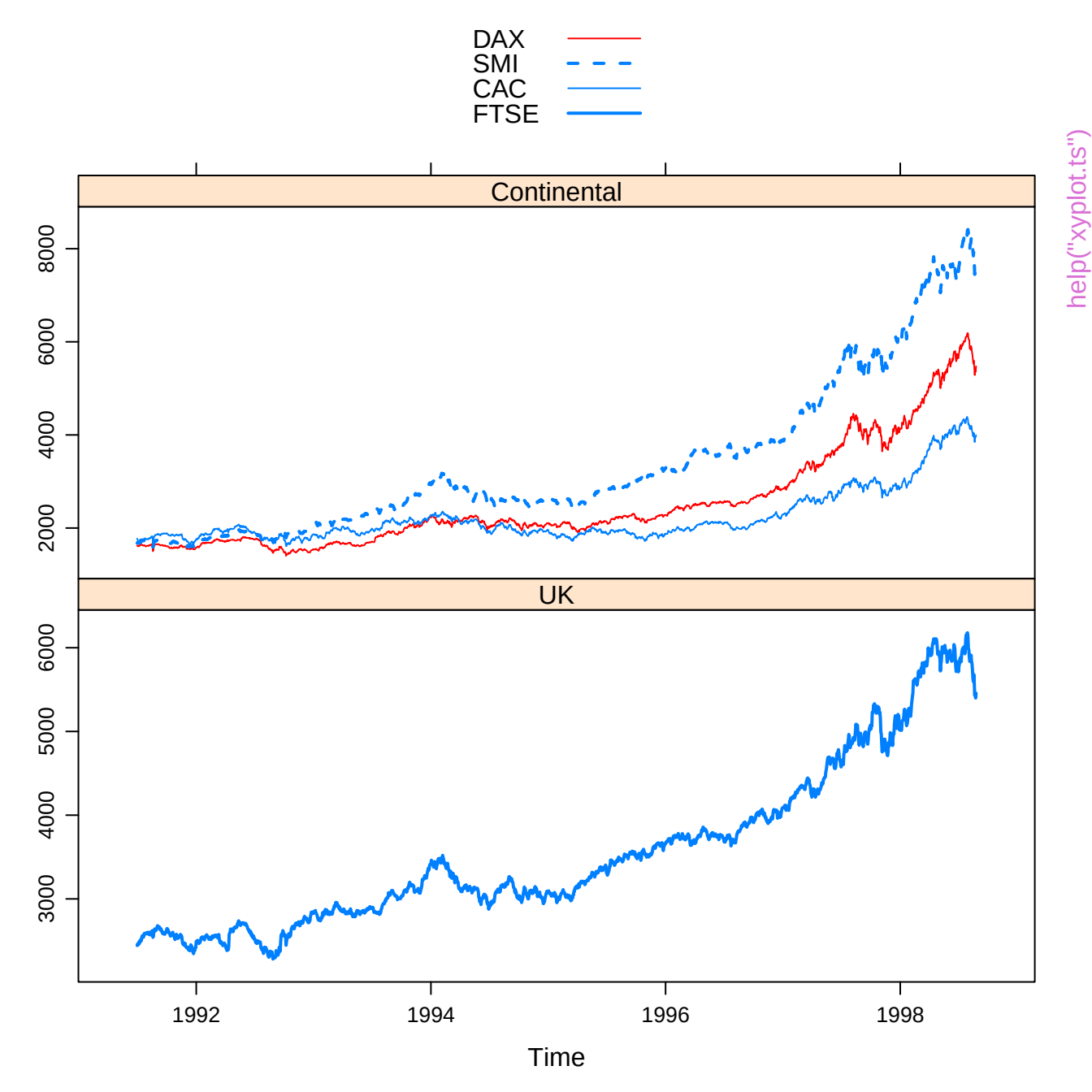

Continental
UK
8000
6000
4000
2000
6000
5000
4000
3000
1992
1994
1996
1998
Time
help("xyplot.ts")

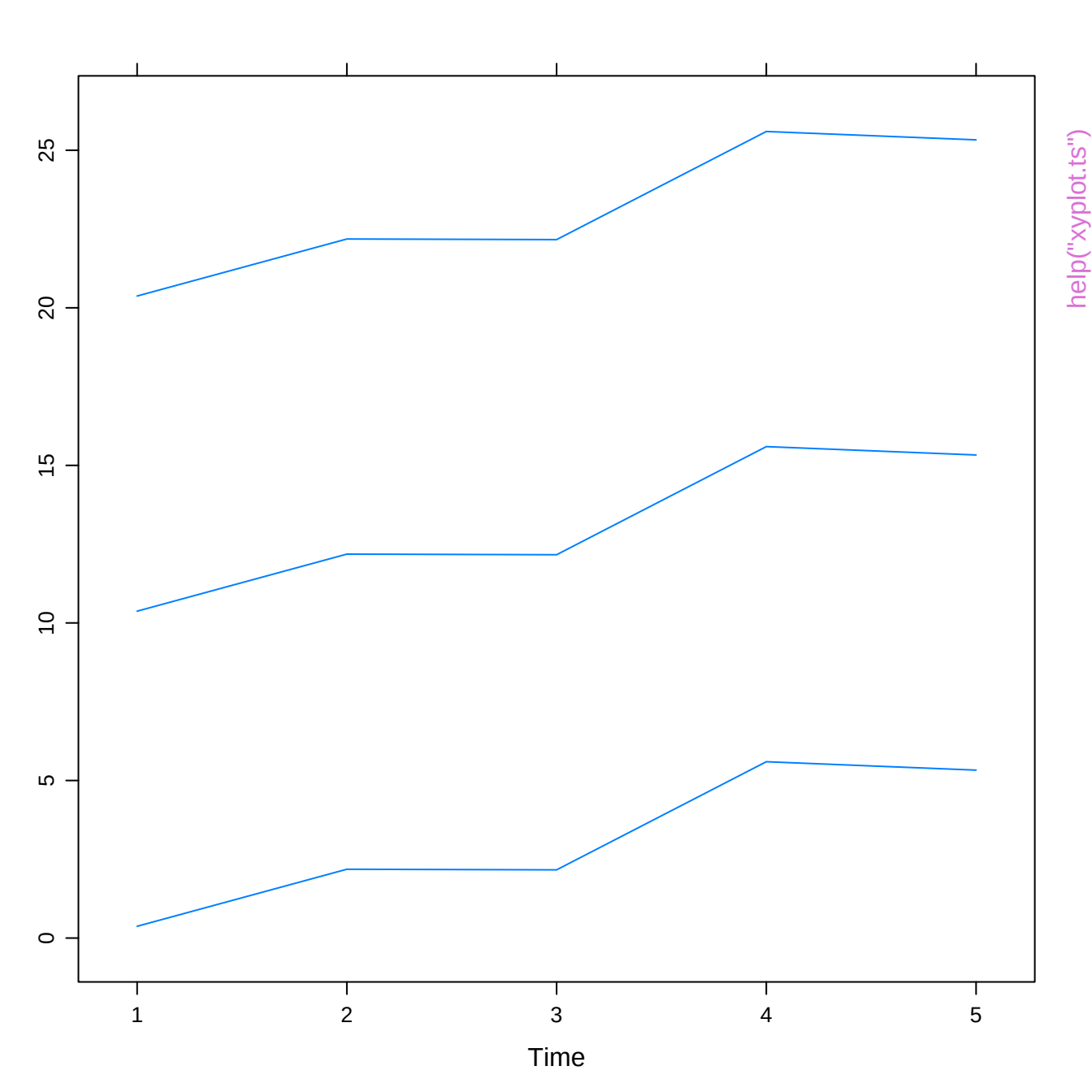

Continental
UK
8000
6000
4000
2000
6000
5000
4000
3000
1992
1994
1996
1998
Time
help("xyplot.ts")

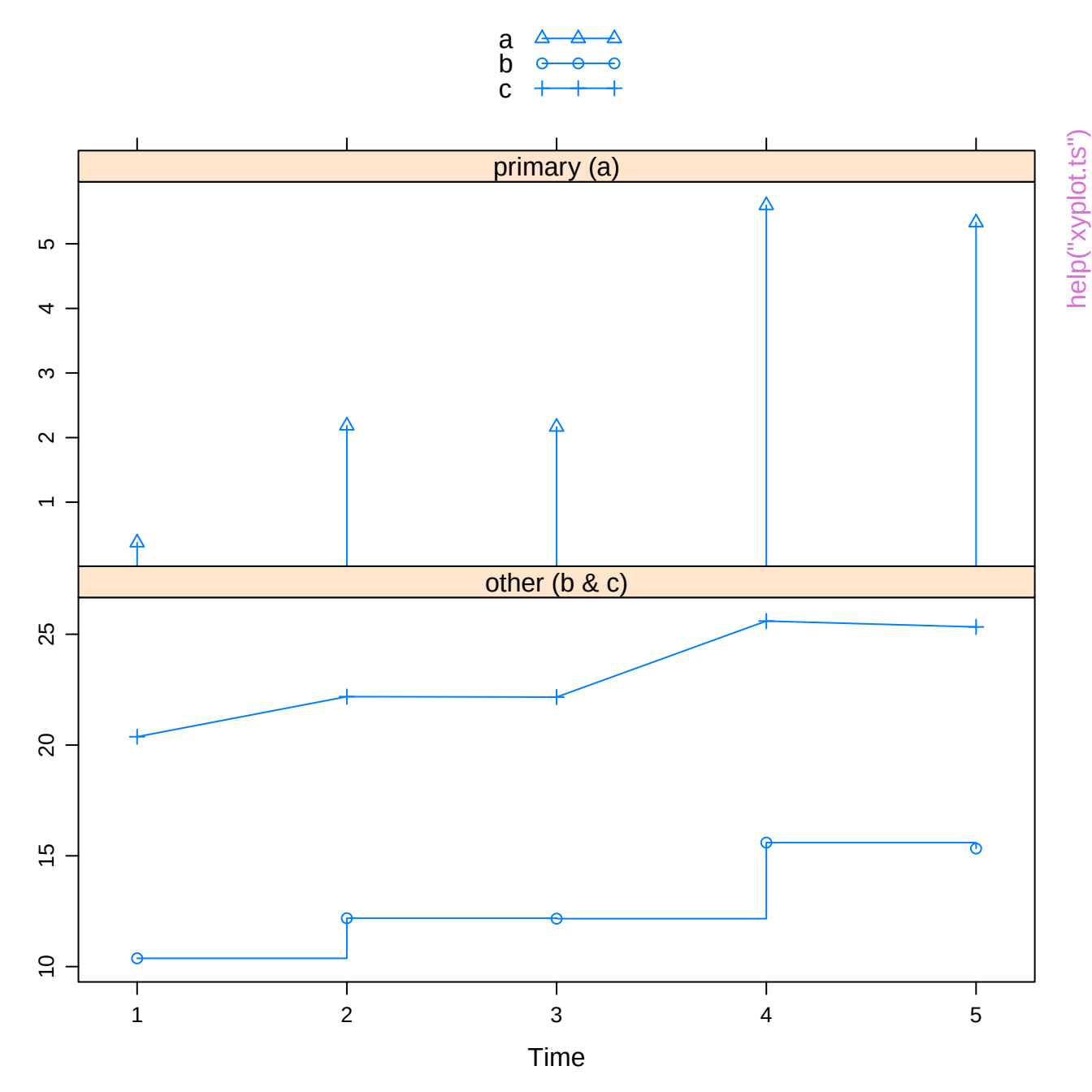

DAX
SMI
CAC
FTSE
Continental
UK
8000
6000
4000
2000
6000
5000
4000
3000
1992
1994
1996
1998
Time
help("xyplot.ts")


DAX
SMI
CAC
FTSE
Continental
UK
8000
6000
4000
2000
6000
5000
4000
3000
1996.0
1996.5
1997.0
1997.5
1998.0
Time
help("xyplot.ts")


DAX
SMI
CAC
FTSE
Continental
UK
8000
6000
4000
2000
6000
5000
4000
3000
1992
1994
1996
1998
Time
help("xyplot.ts")


DAX
SMI
CAC
FTSE
Continental
UK
8000
6000
4000
2000
6000
5000
4000
3000
1992
1994
1996
1998
Time
help("xyplot.ts")


0
5
10
15
20
25
1
2
3
4
5
Time
help("xyplot.ts")


a
b
c
primary (a)
other (b & c)
1
2
3
4
5
10
15
20
25
Time
help("xyplot.ts")