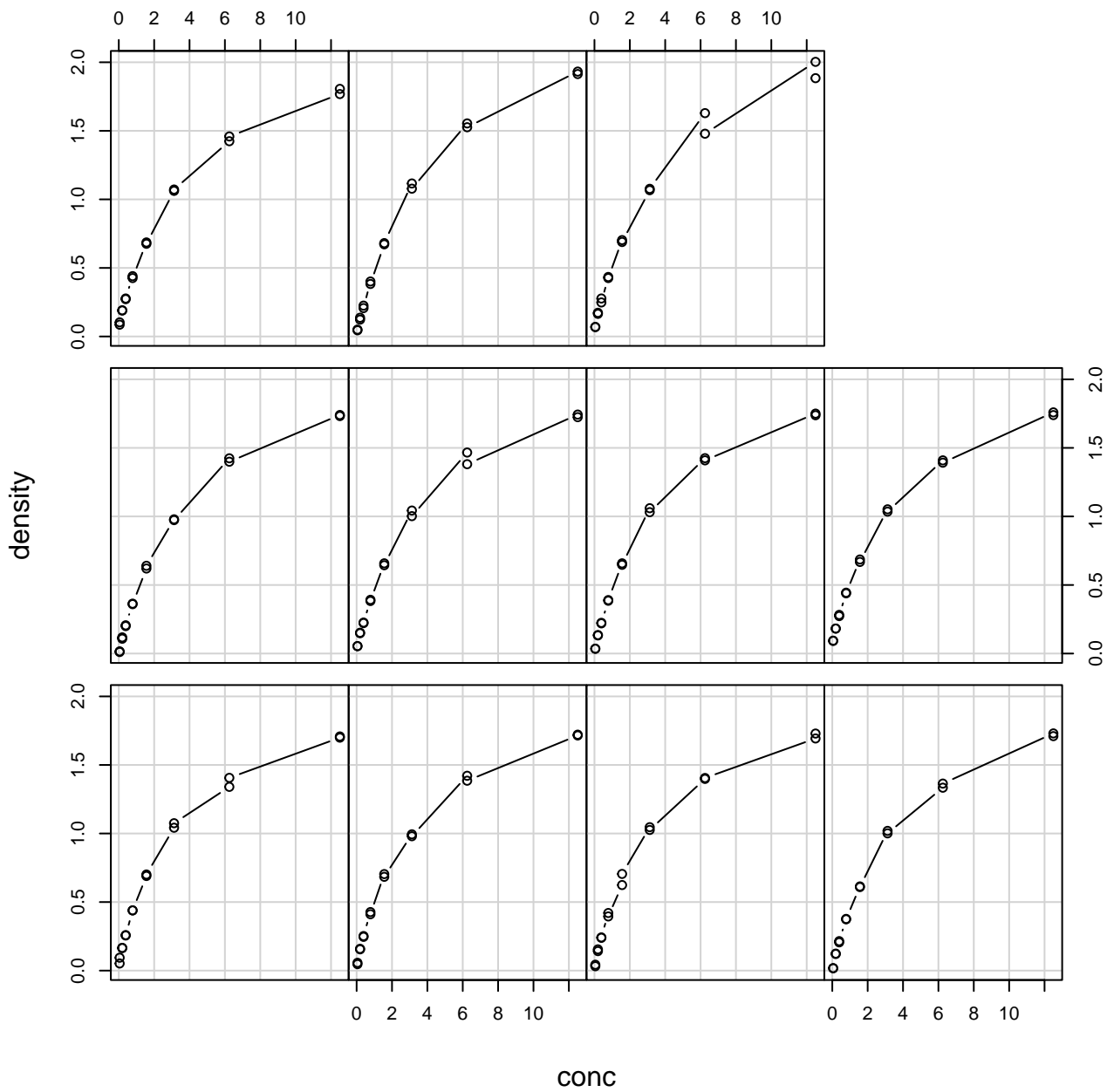
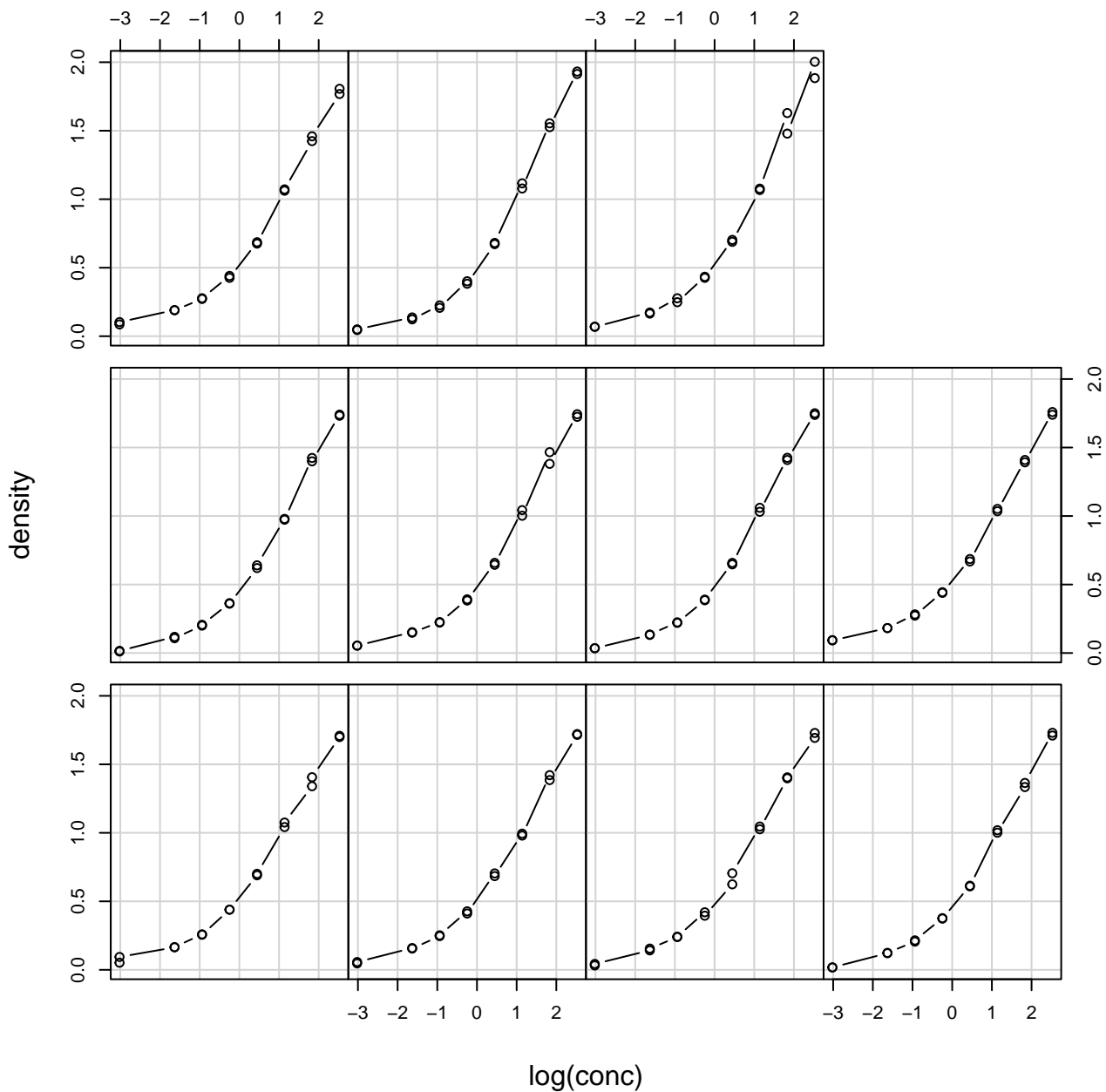


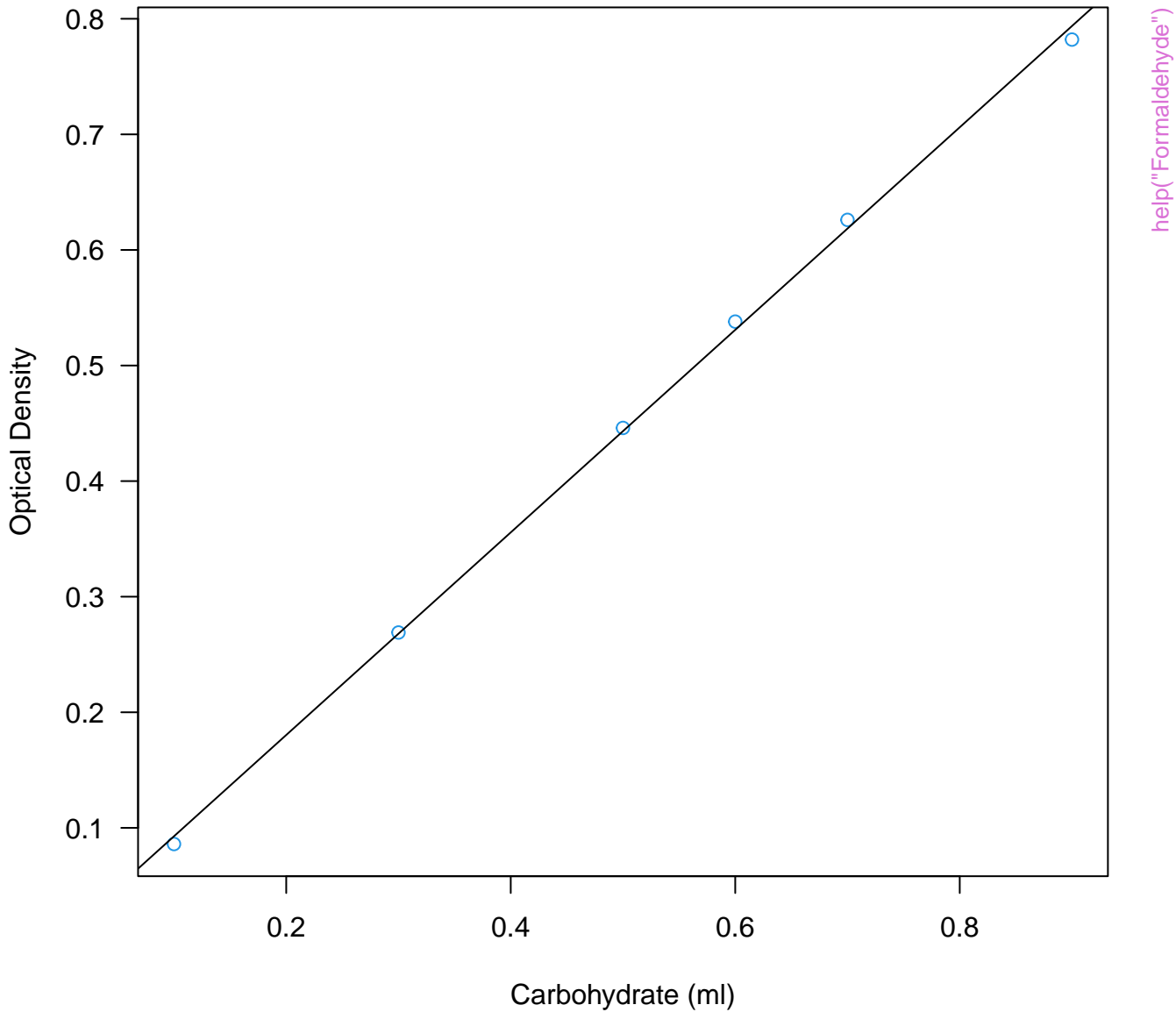
Given : Run



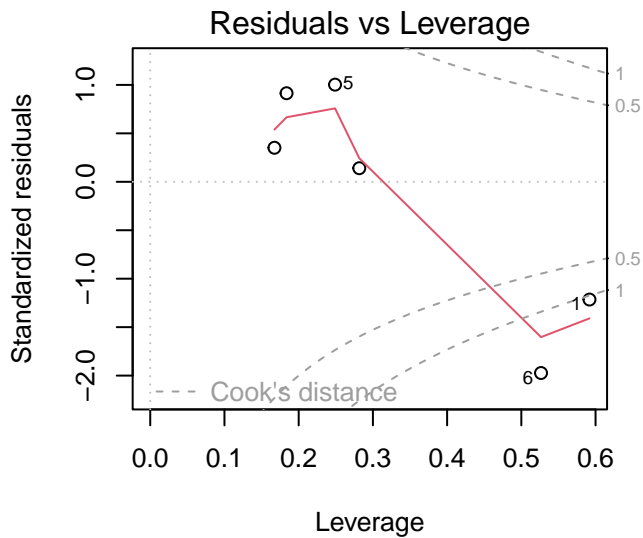
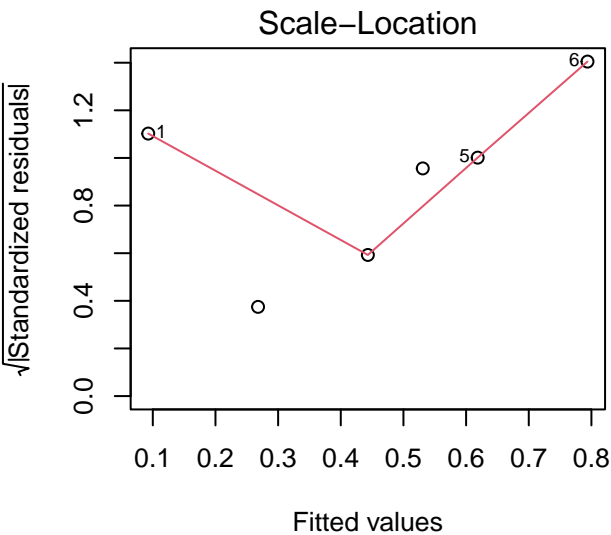
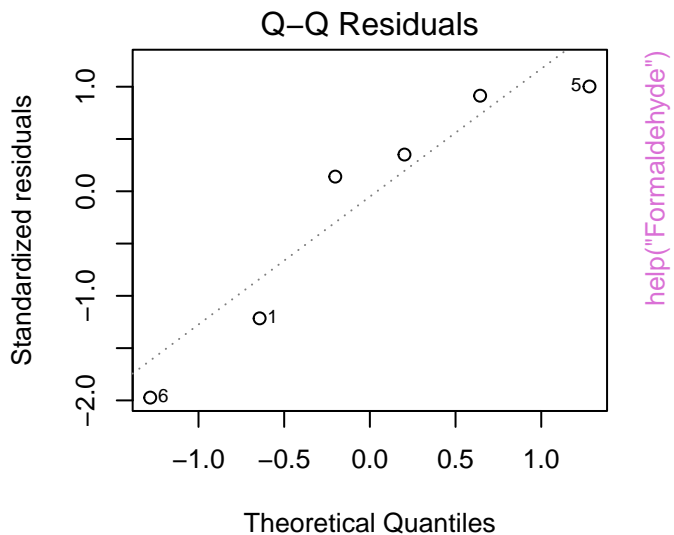
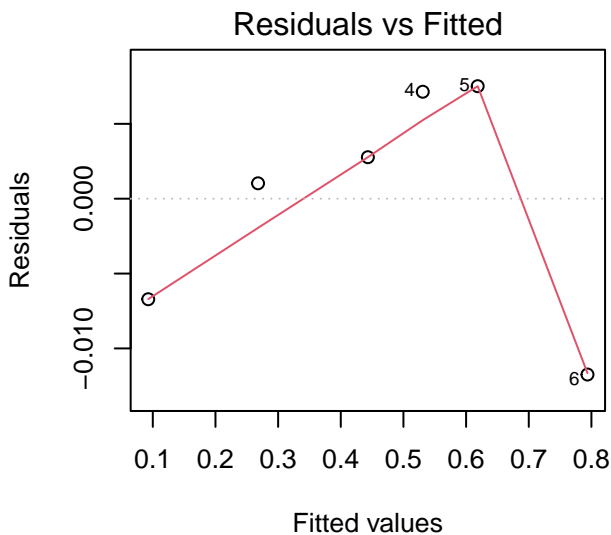
Given : Run



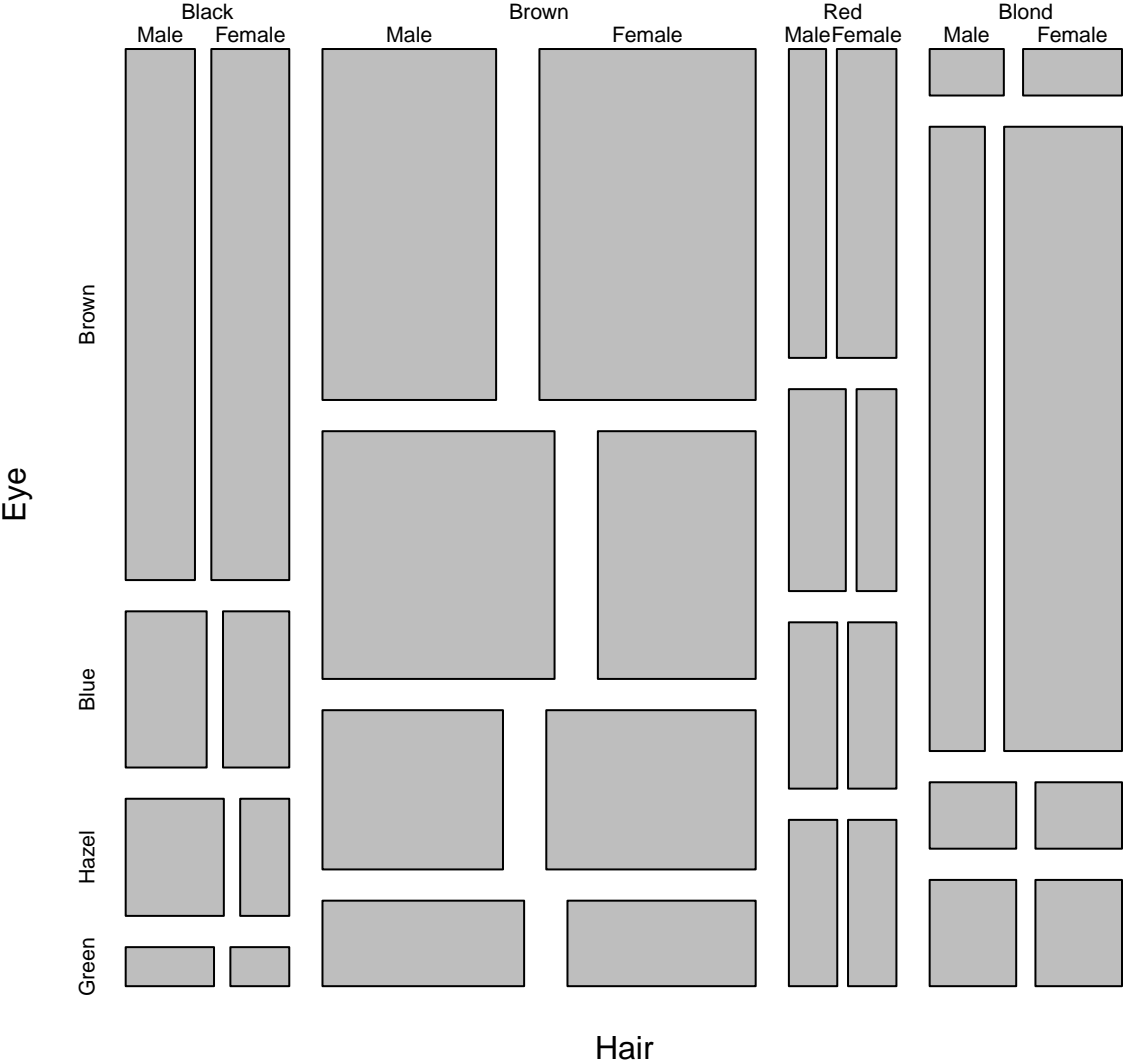
Formaldehyde data



lm(optden ~ carb)

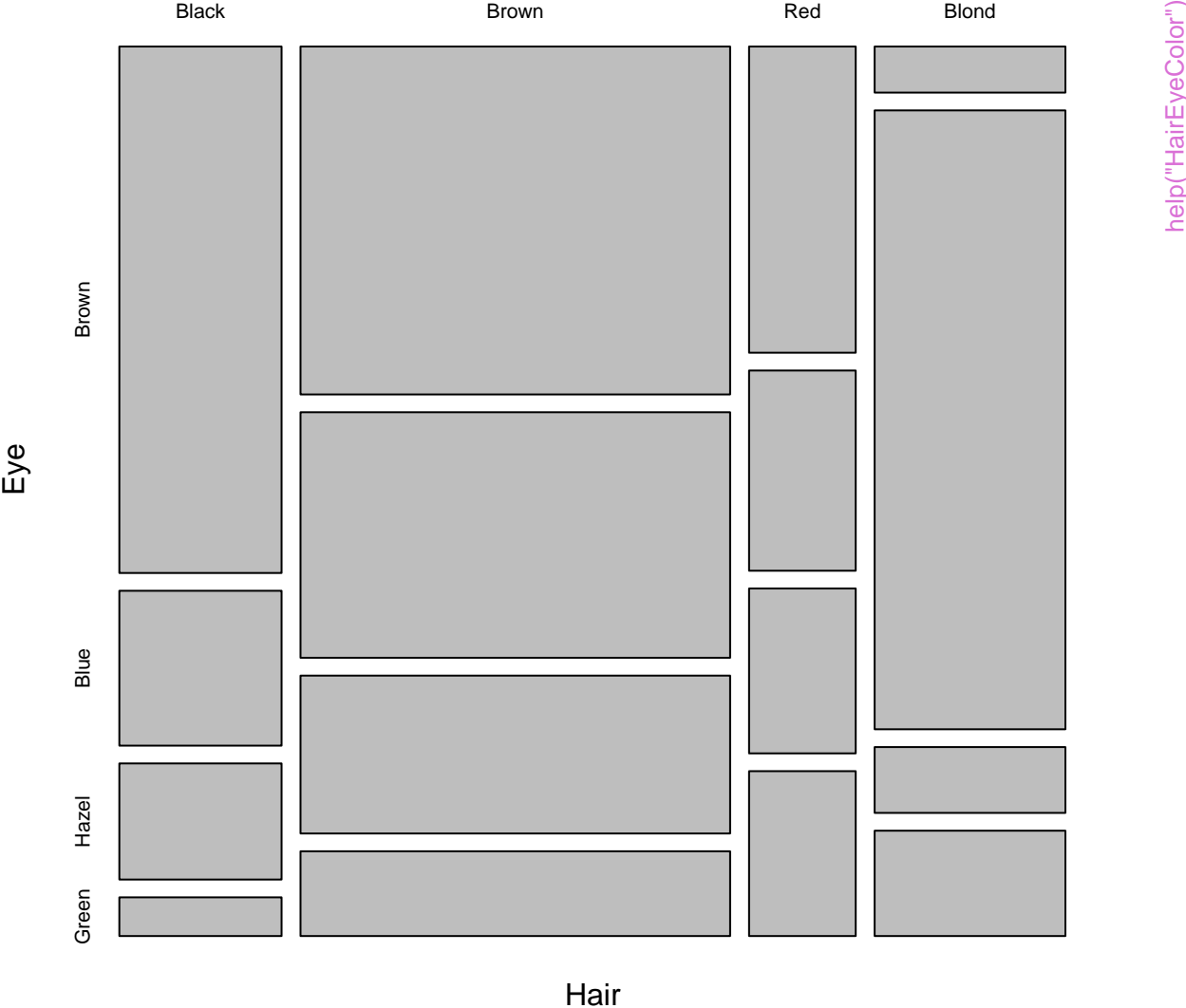


HairEyeColor

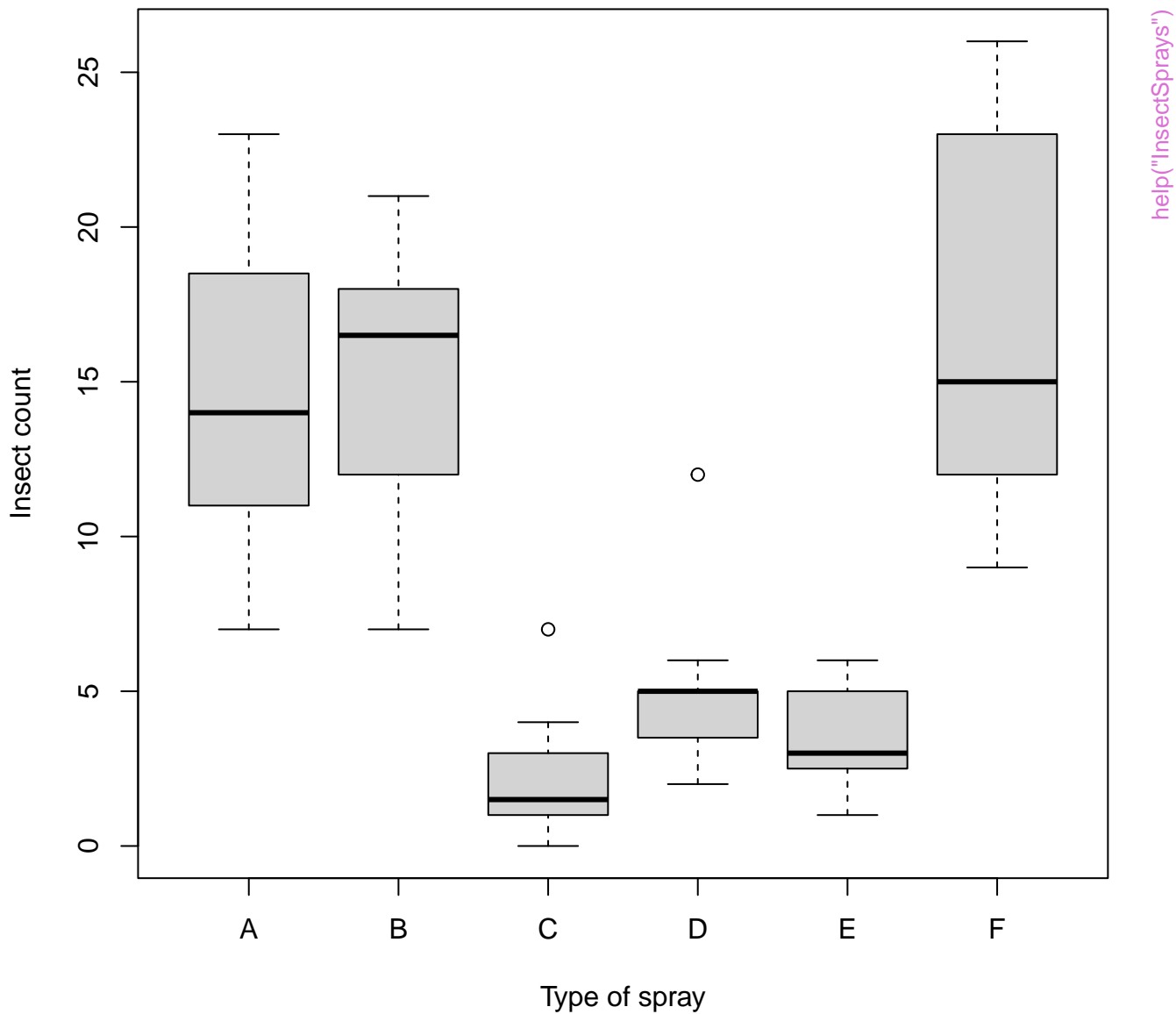


help("HairEyeColor")

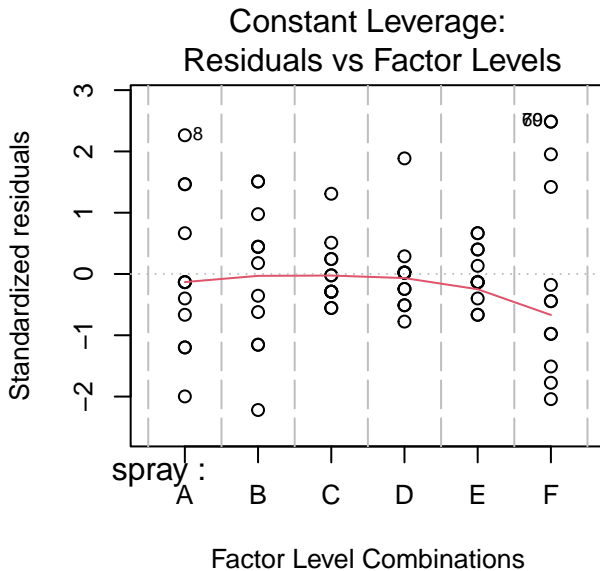
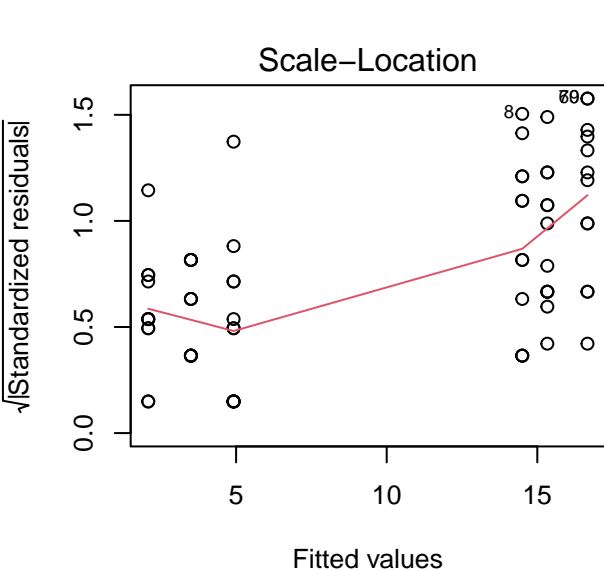
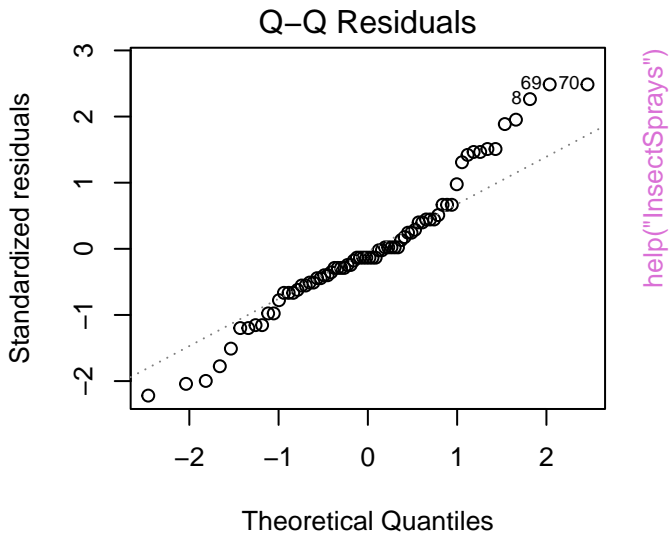
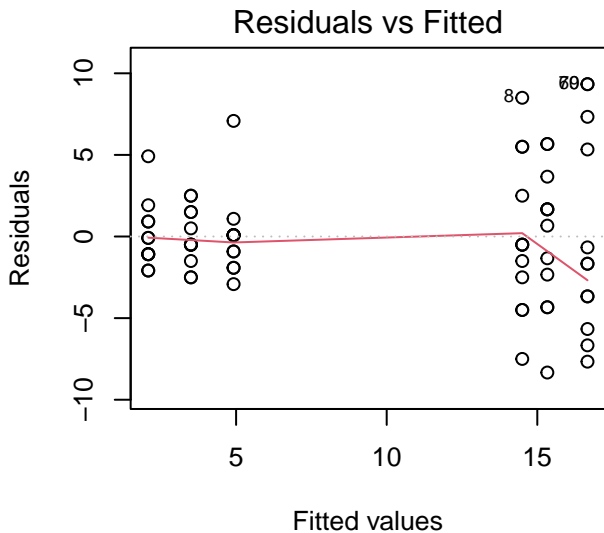
Relation between hair and eye color



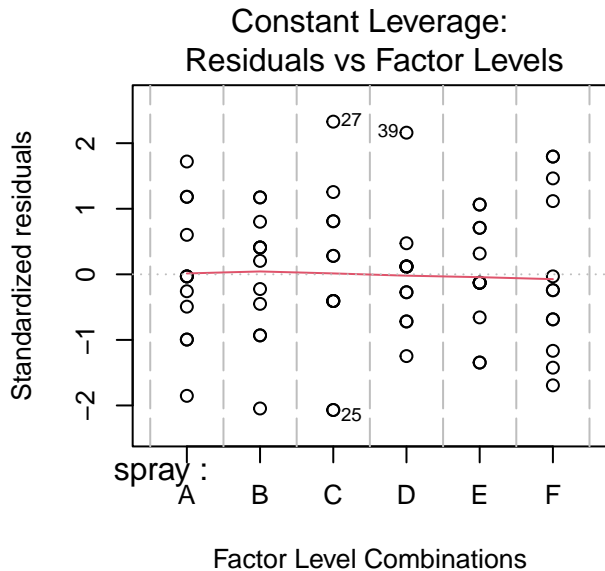
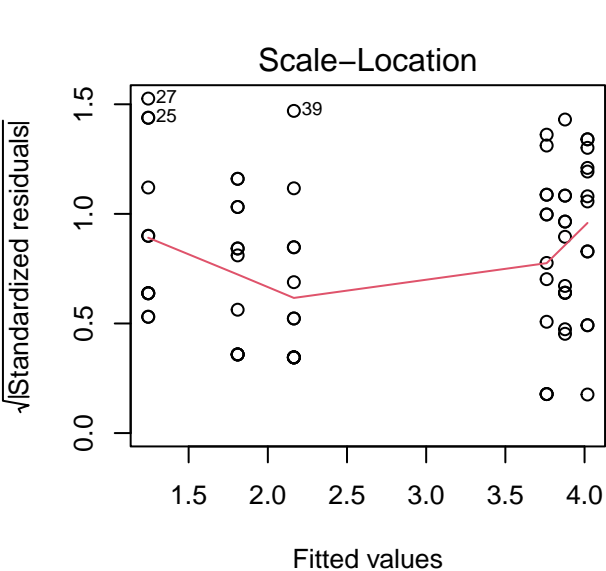
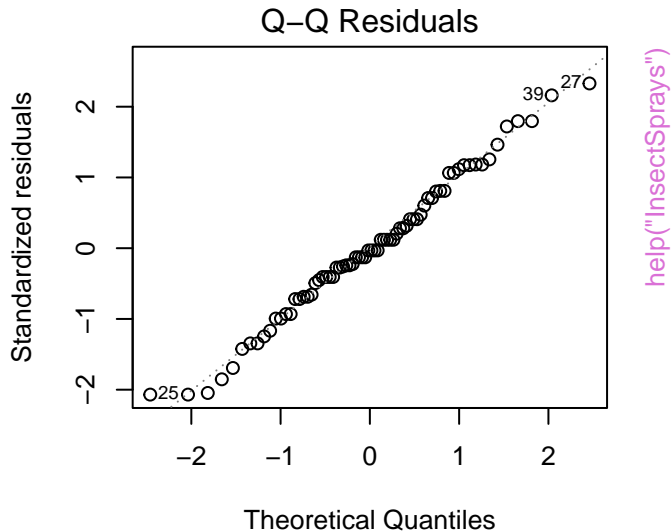
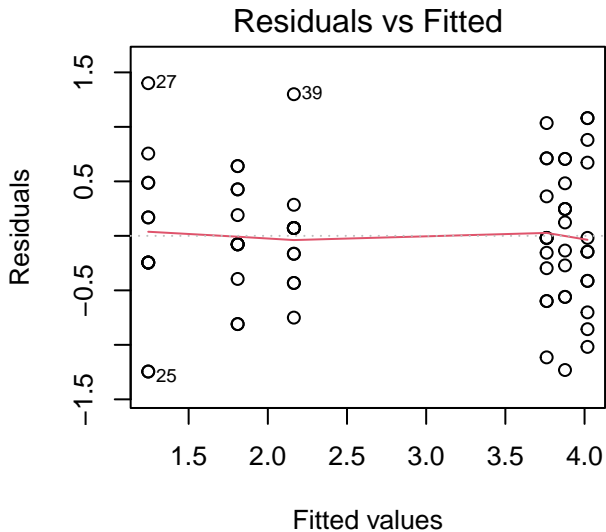
InsectSprays data



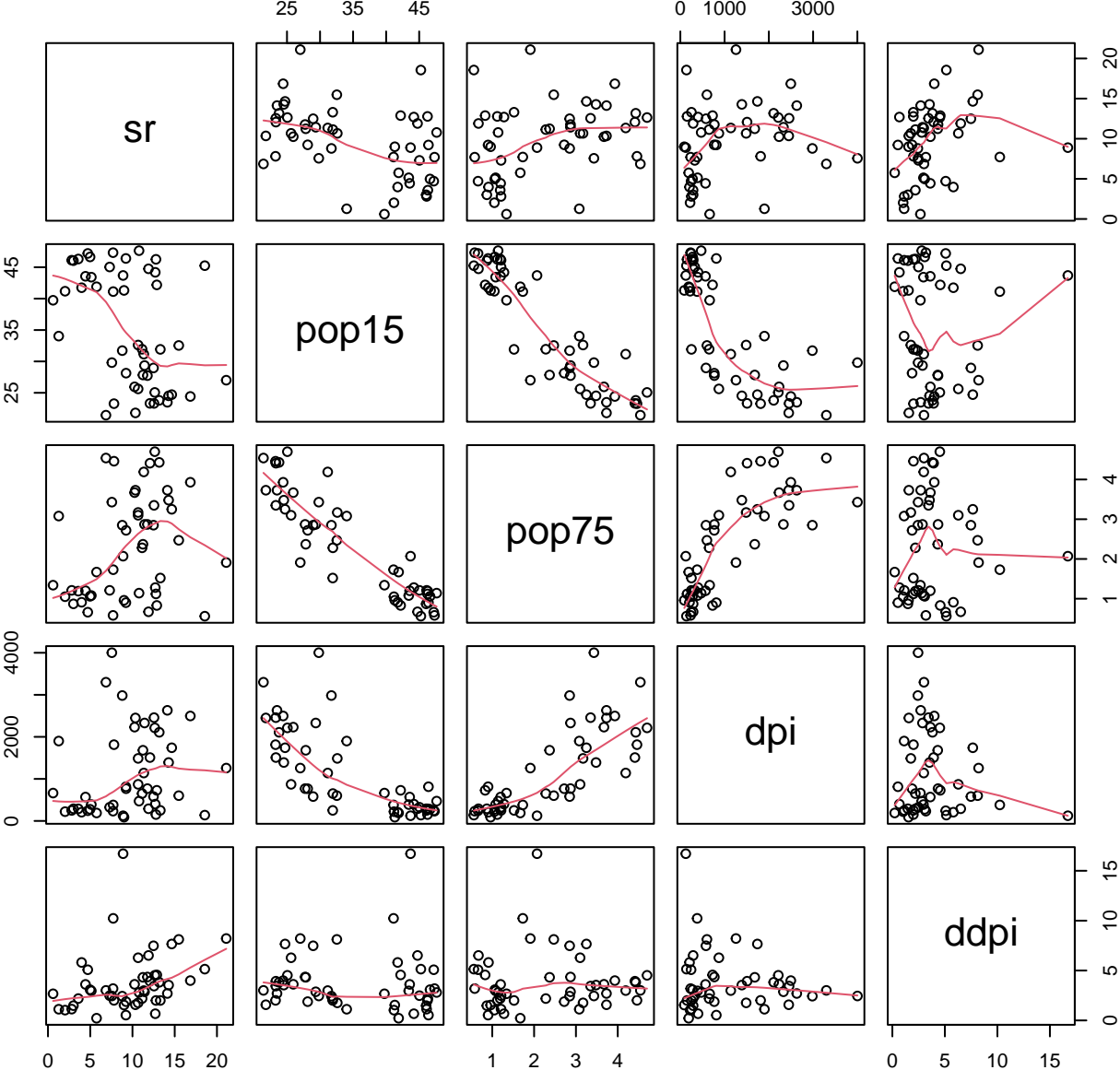
aov(count ~ spray)



aov(sqrt(count) ~ spray)

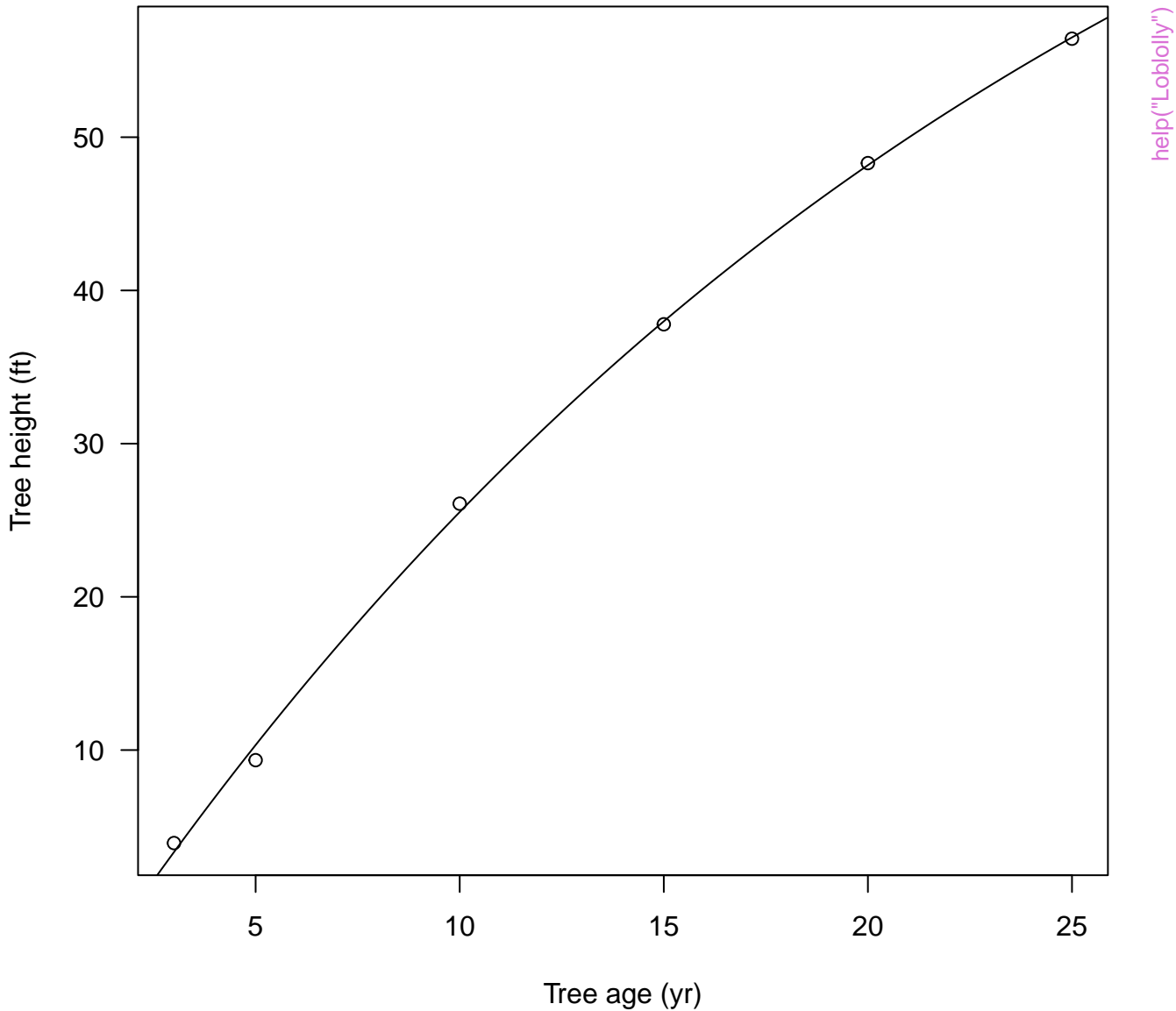


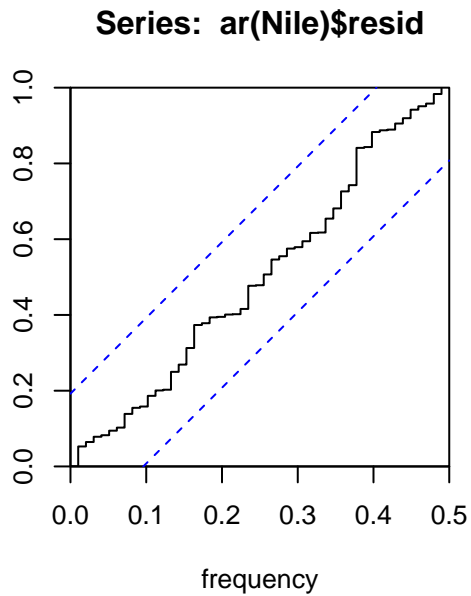
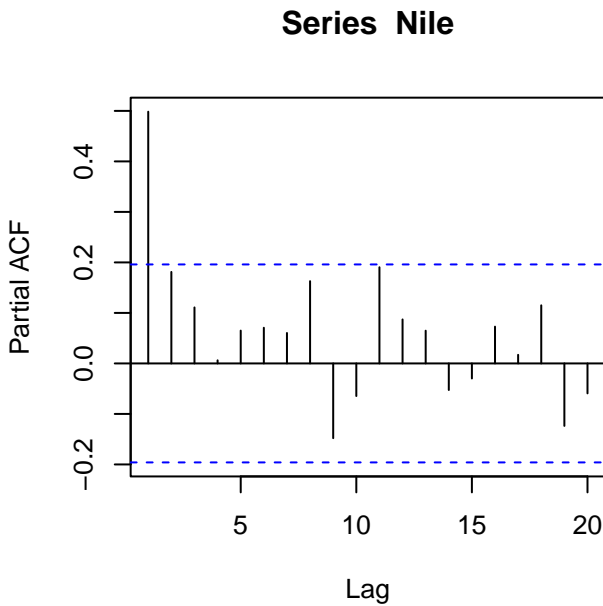
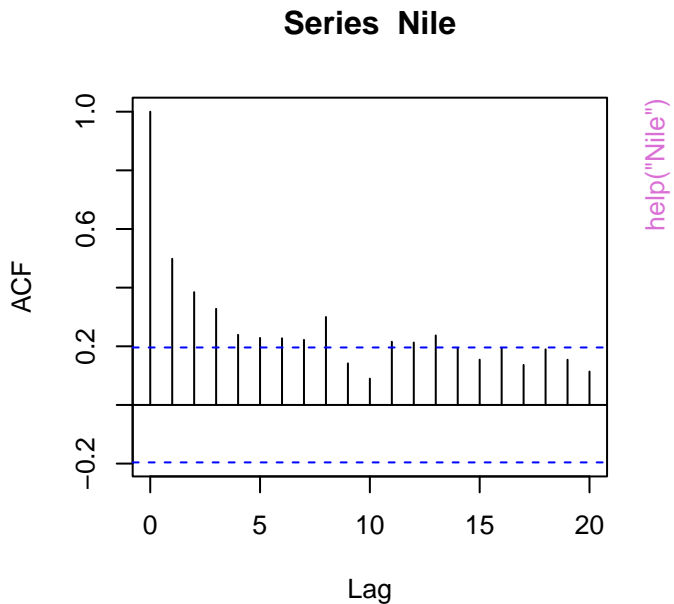
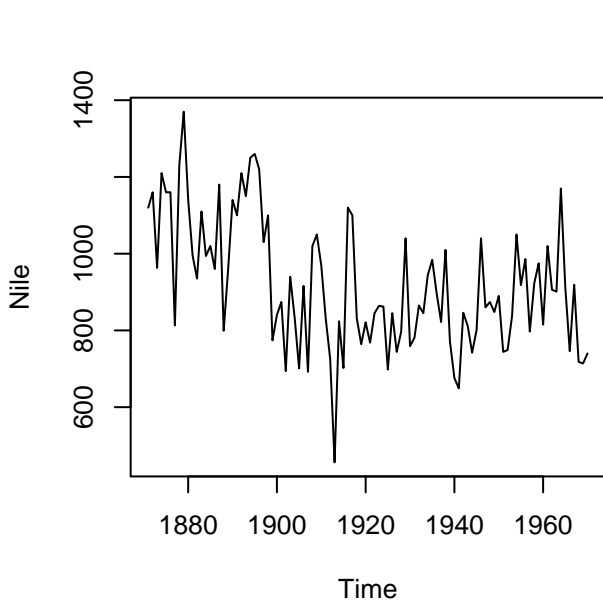
LifeCycleSavings data



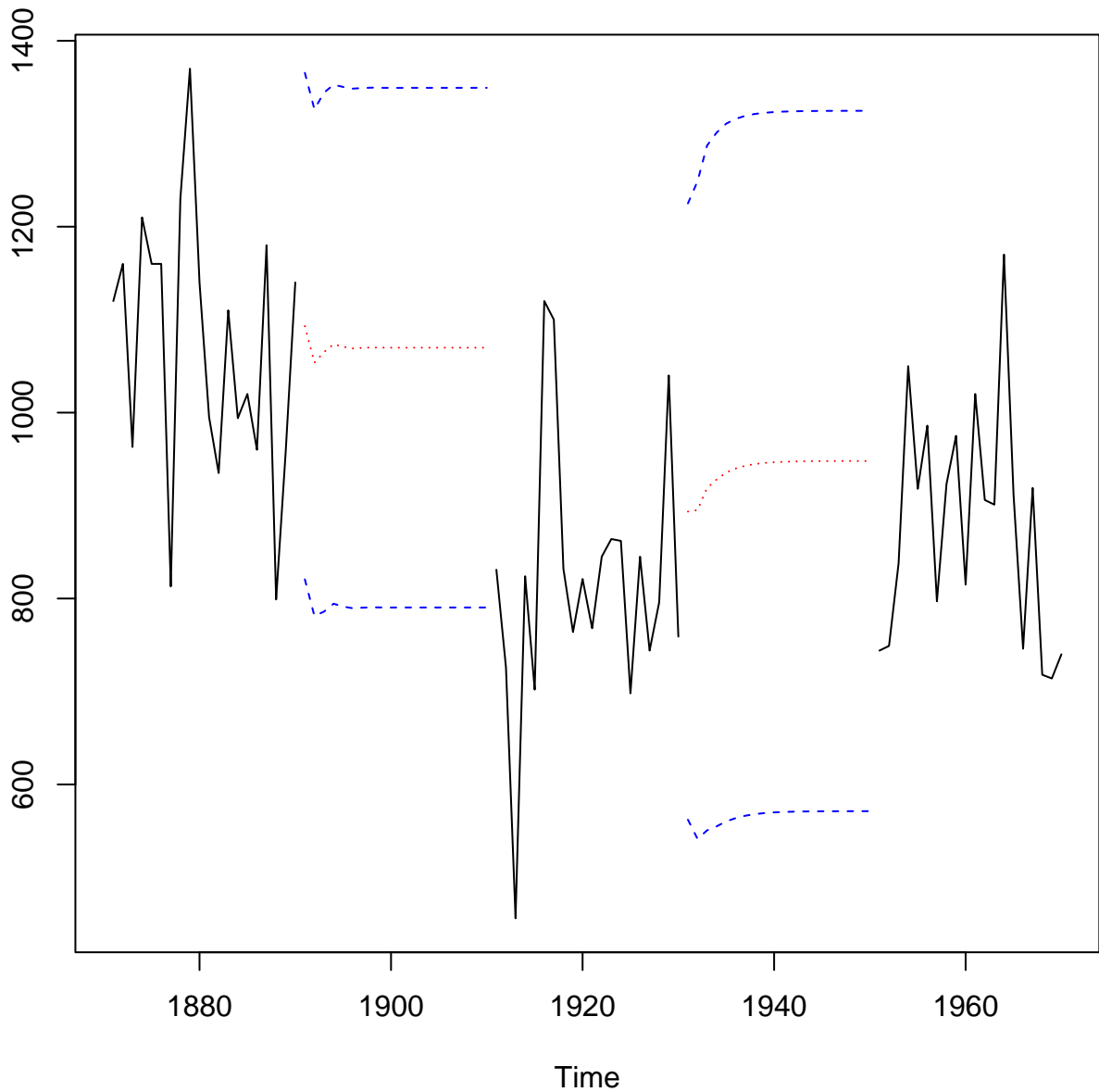
help("LifeCycleSavings")

Loblolly data and fitted curve (Seed 329 only)

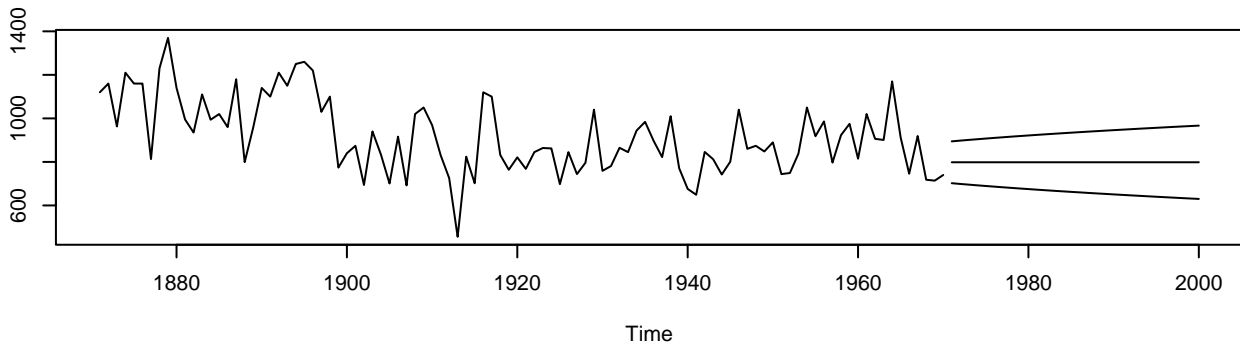
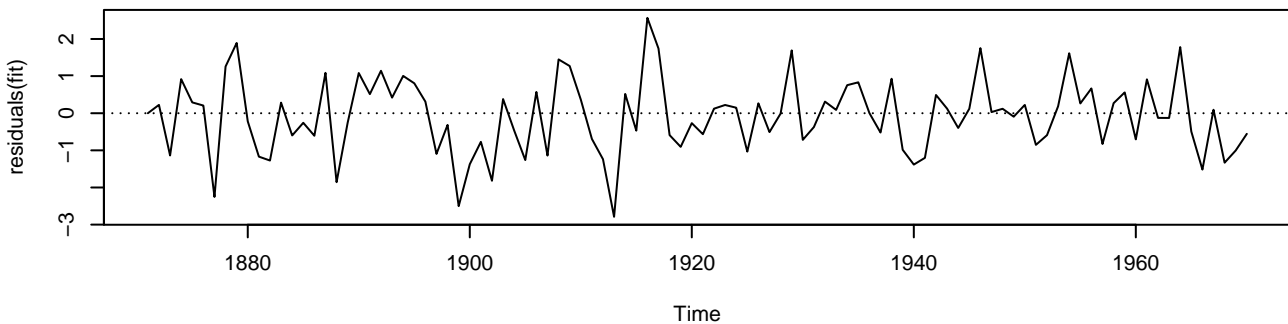
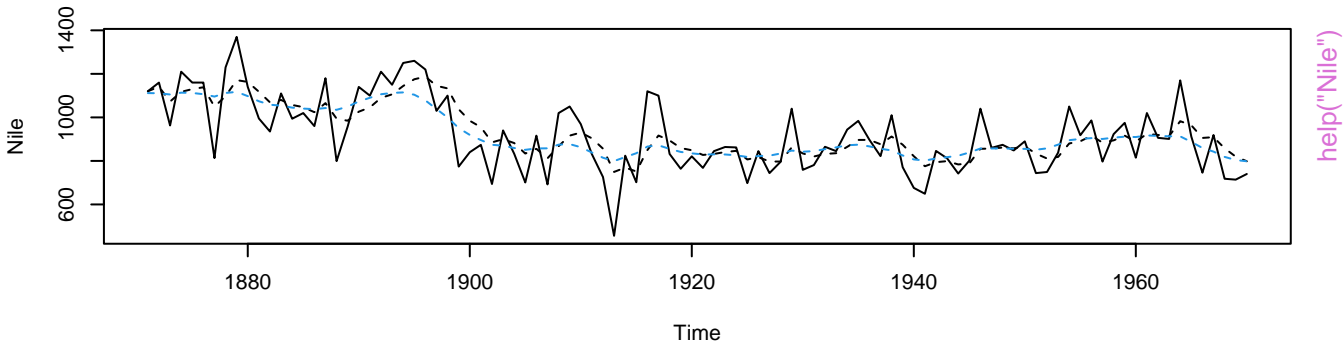


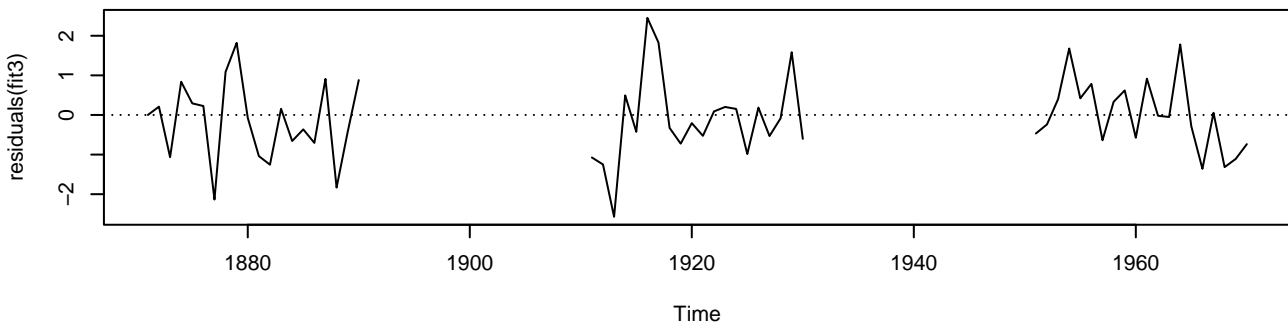
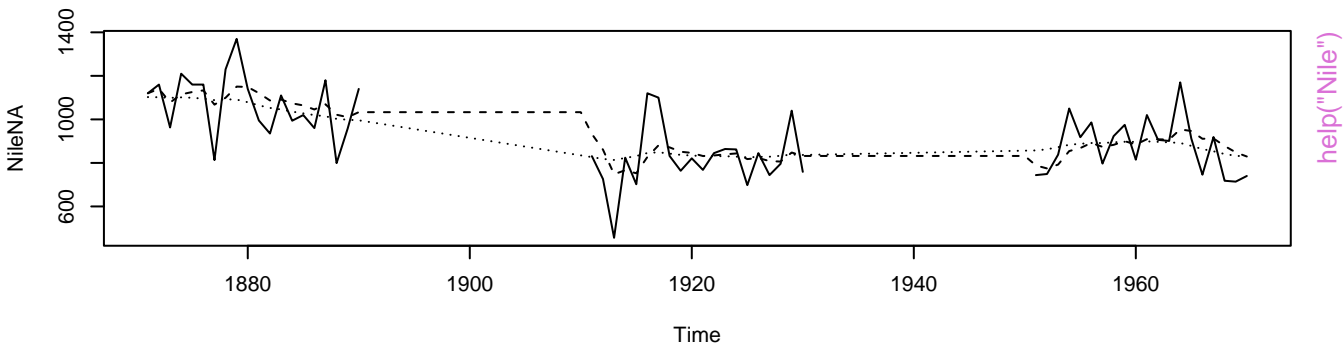


NileNA

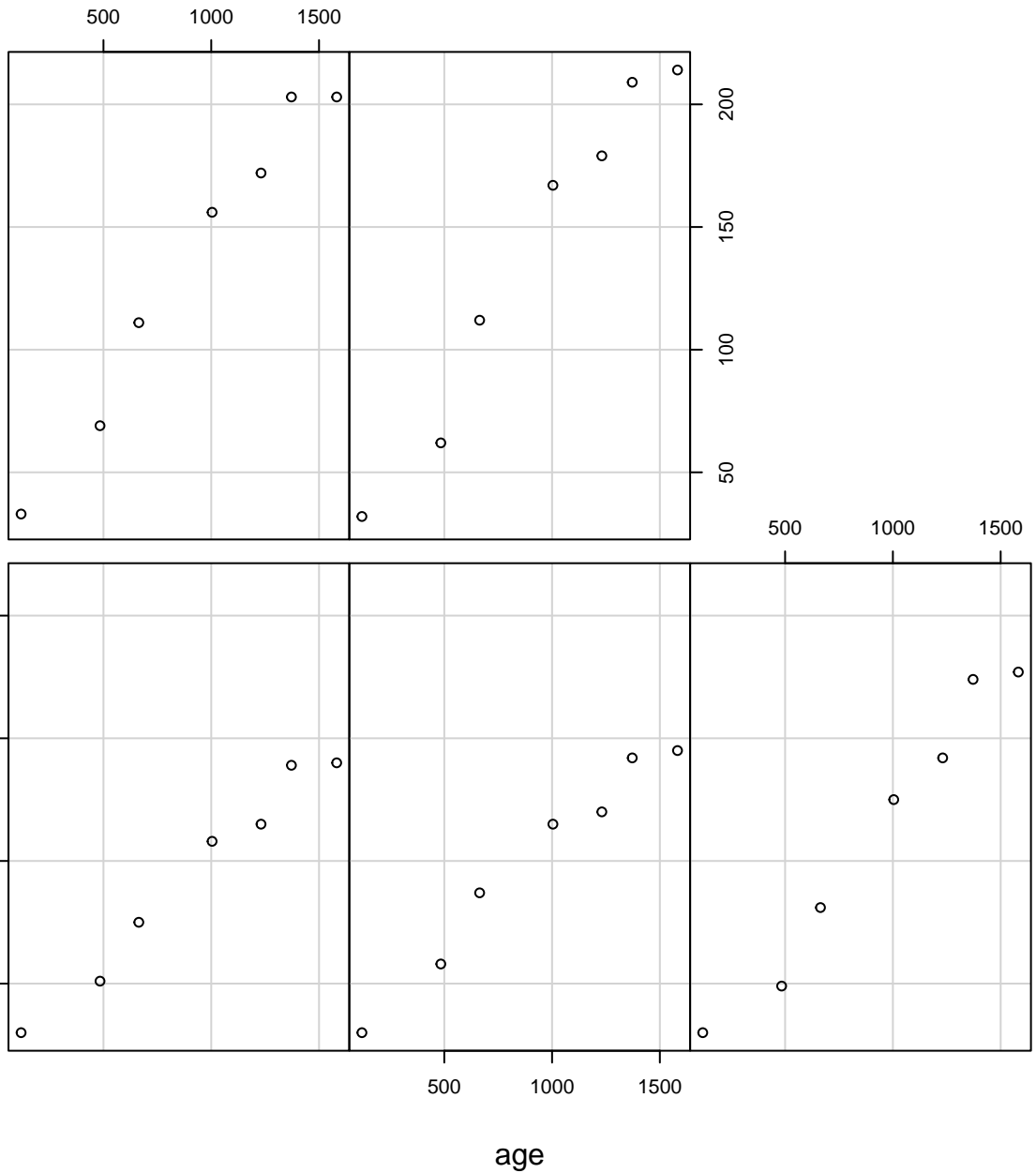


help("Nile")

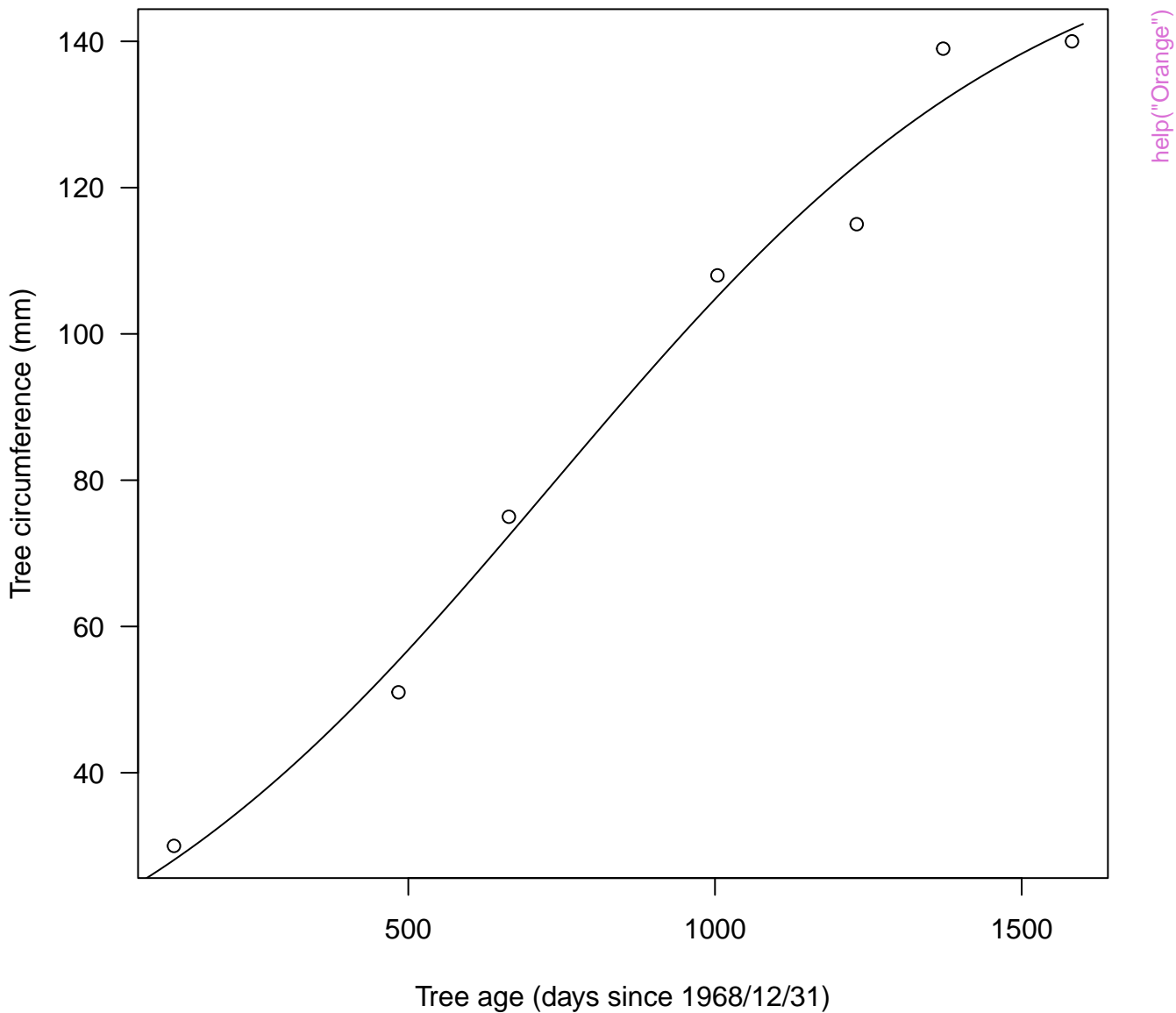




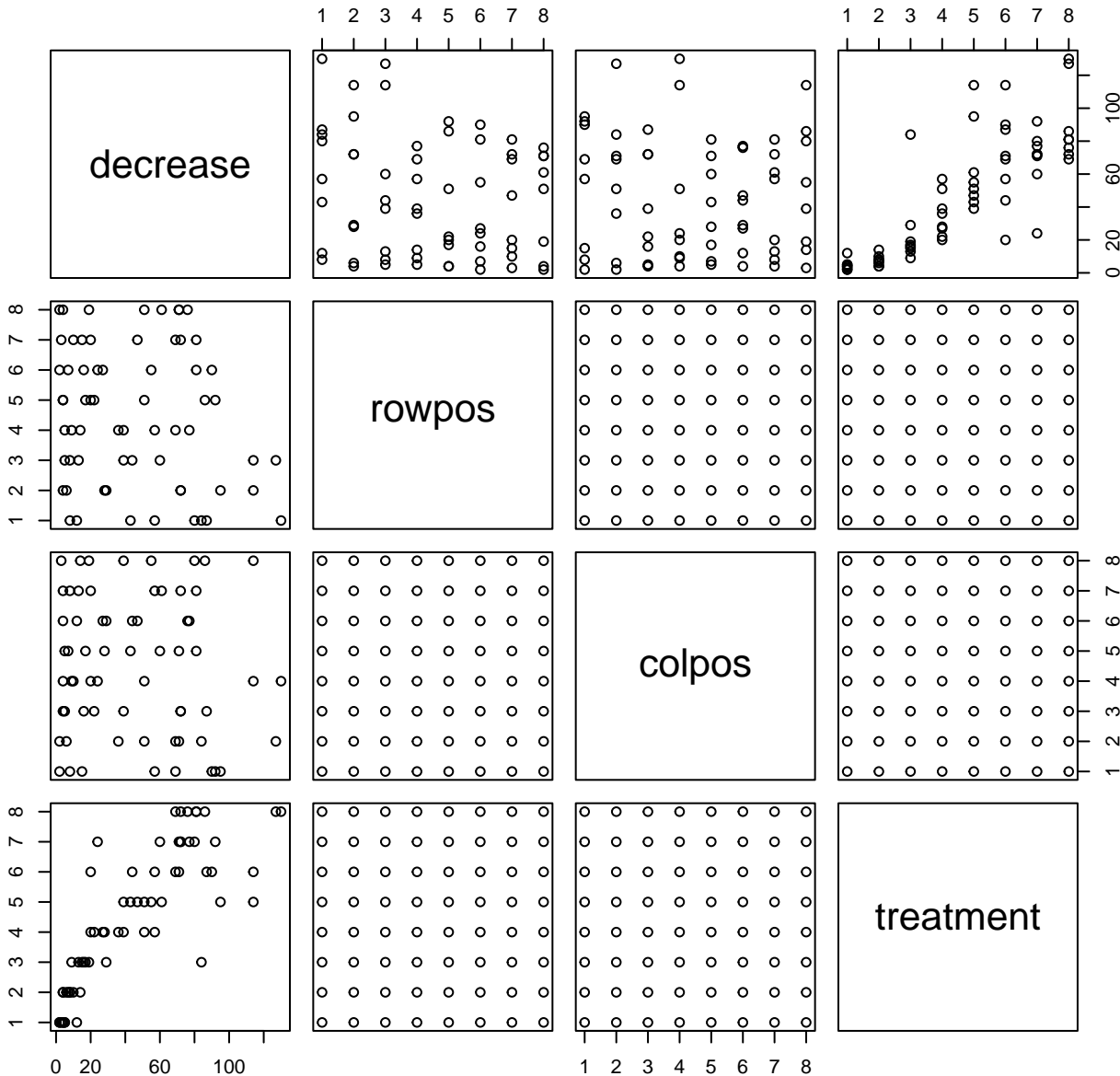
Given : Tree



Orange tree data and fitted model (Tree 3 only)

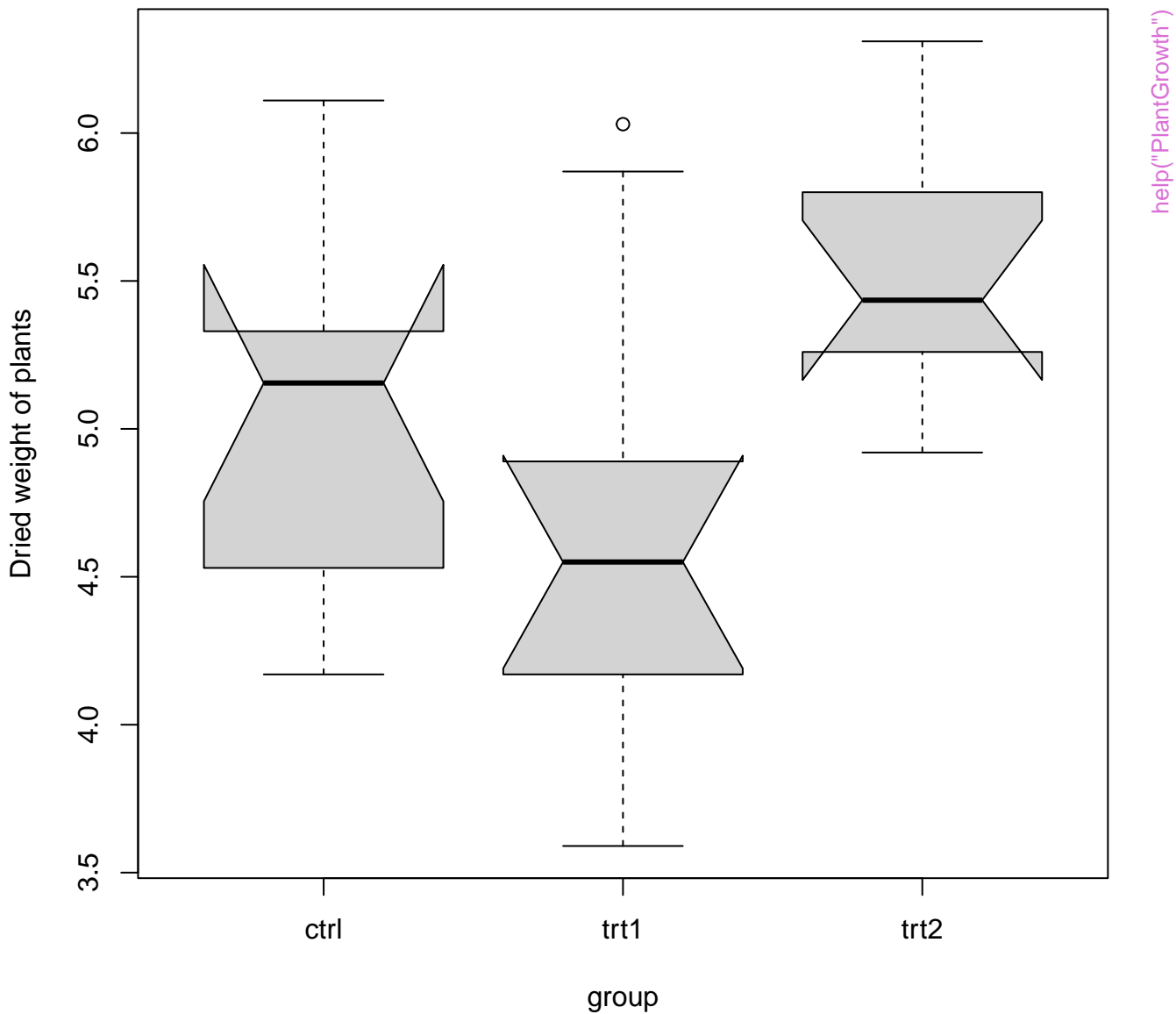


OrchardSprays data

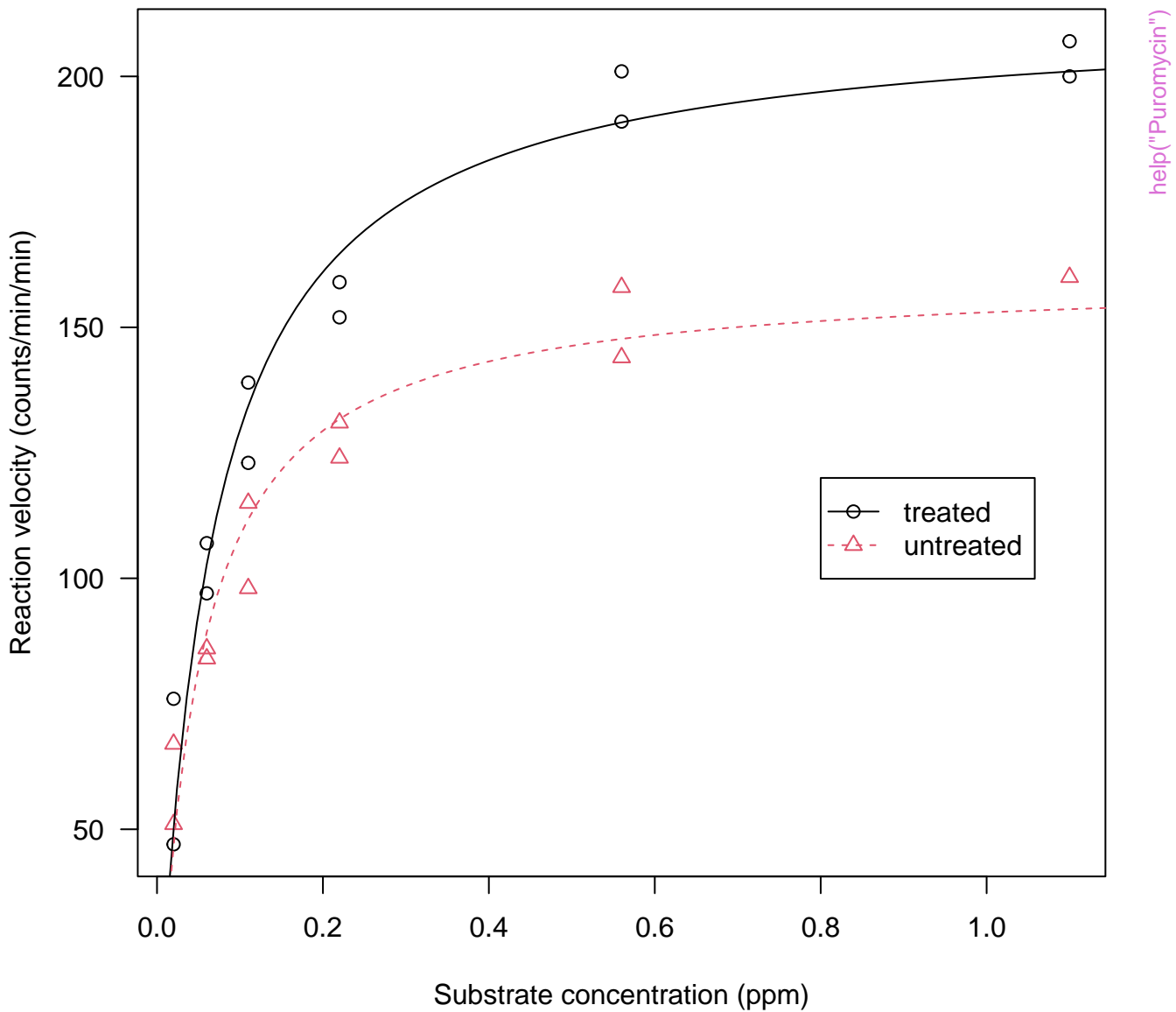


help("OrchardSprays")

PlantGrowth data

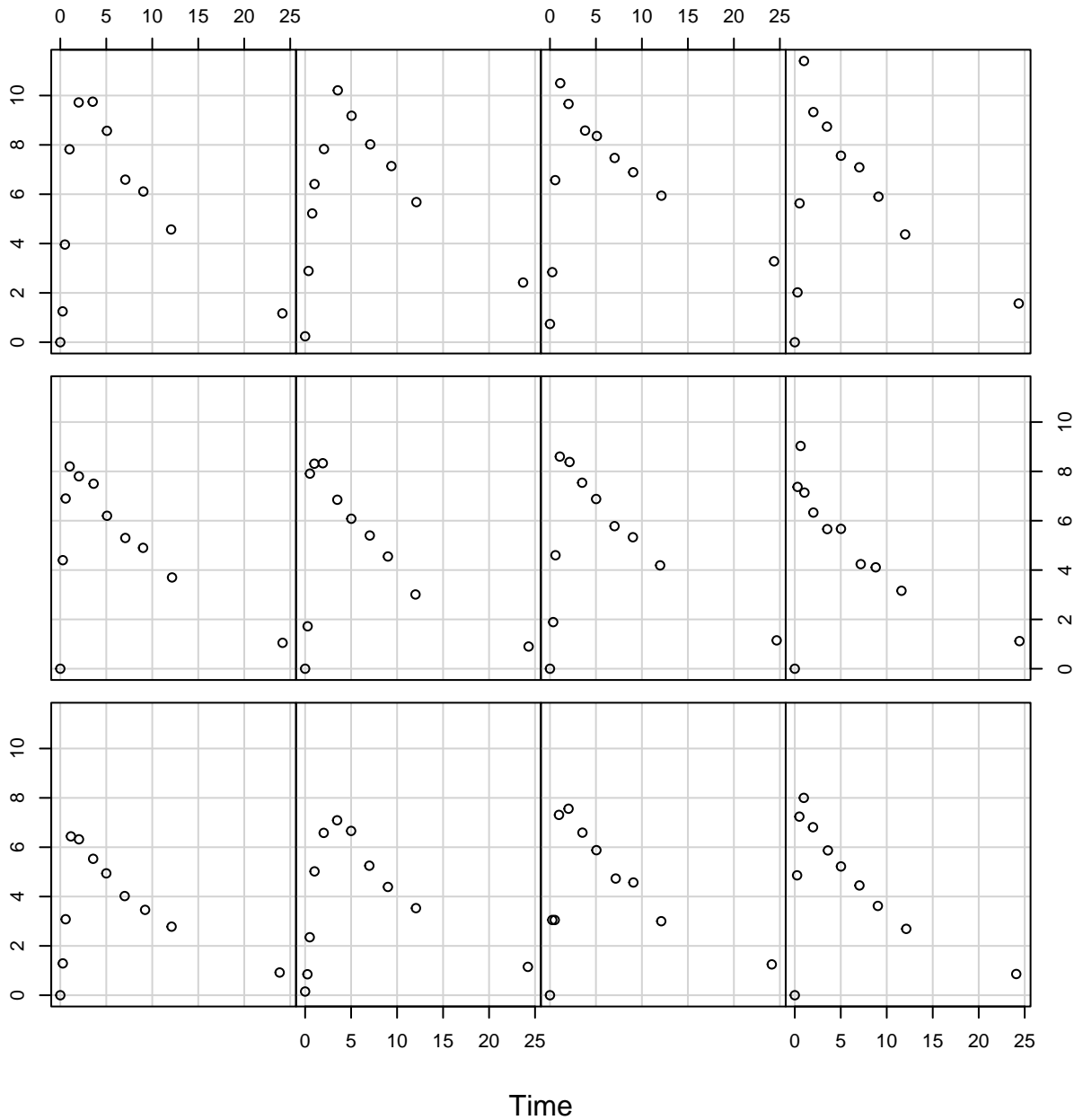


Puromycin data and fitted Michaelis–Menten curves



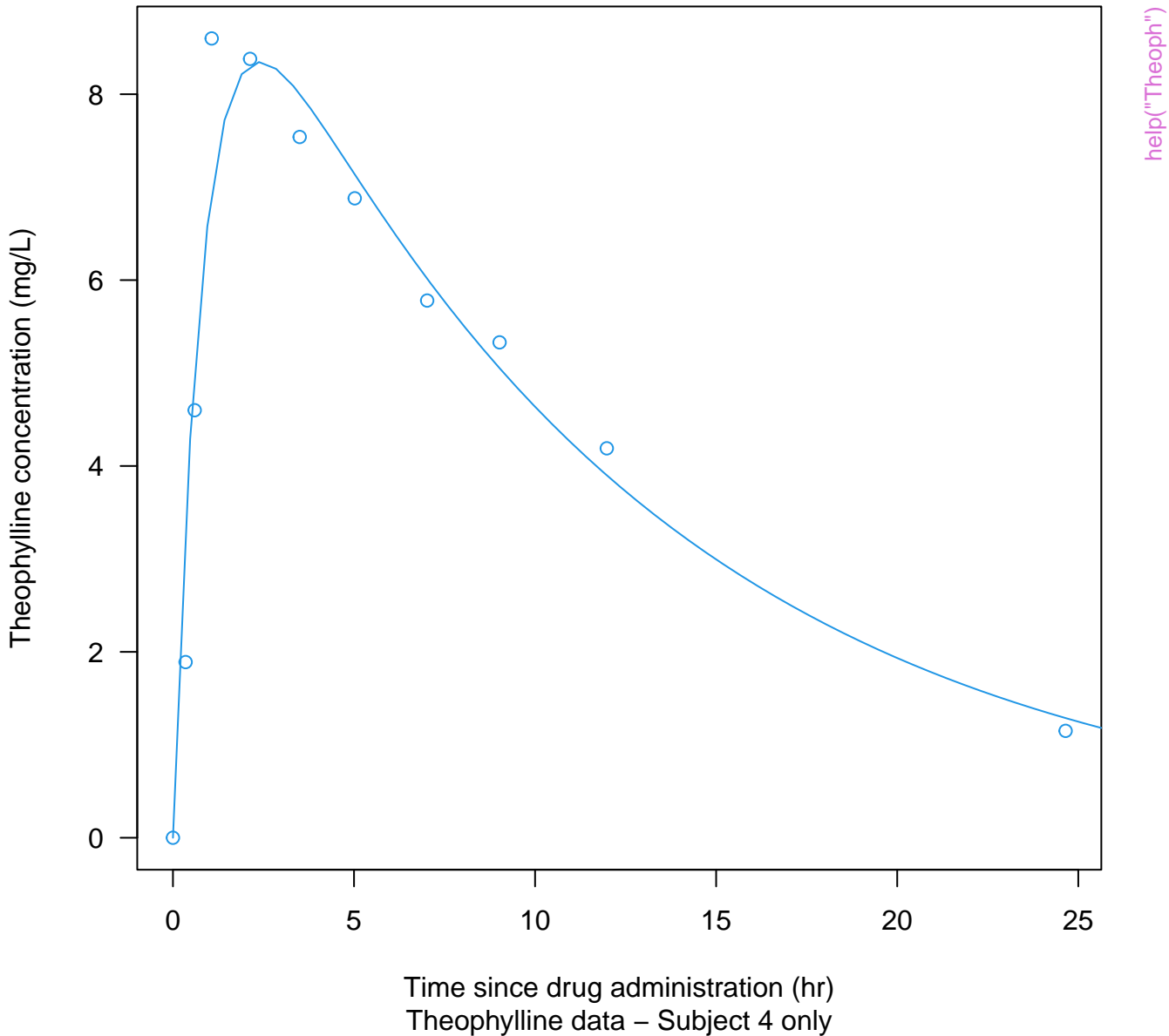
Given : Subject

conc

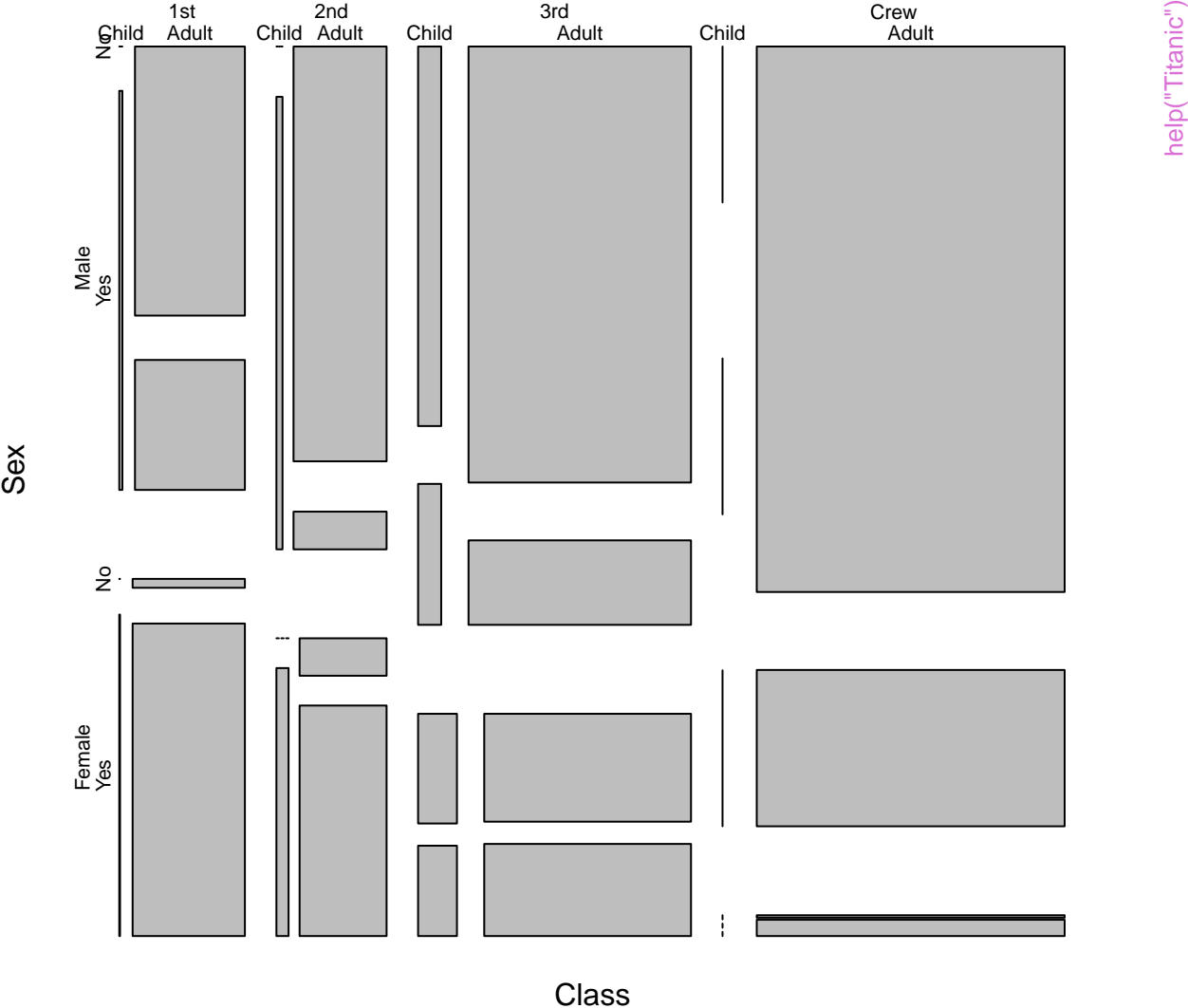


help("Theoph")

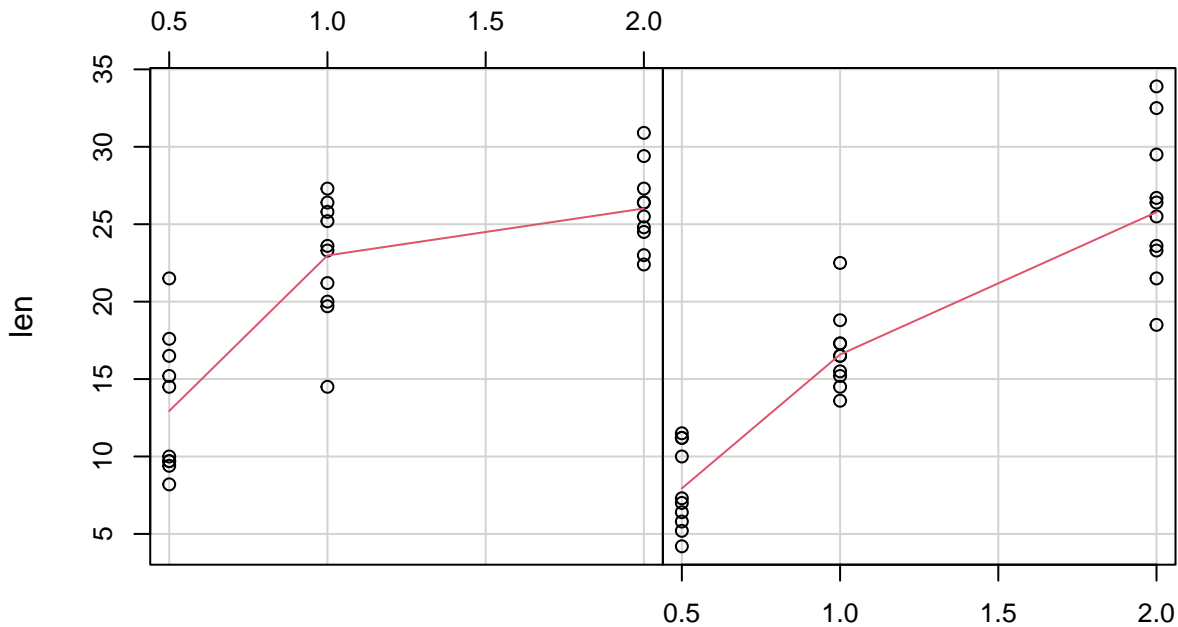
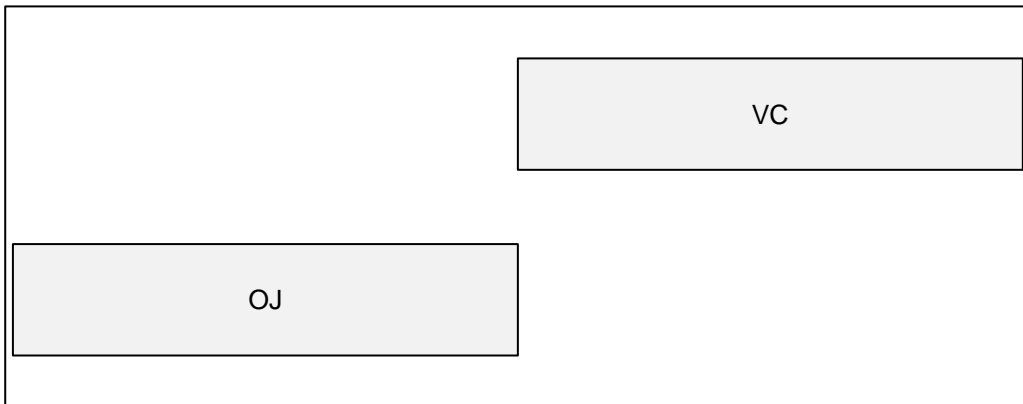
Observed concentrations and fitted model



Survival on the Titanic



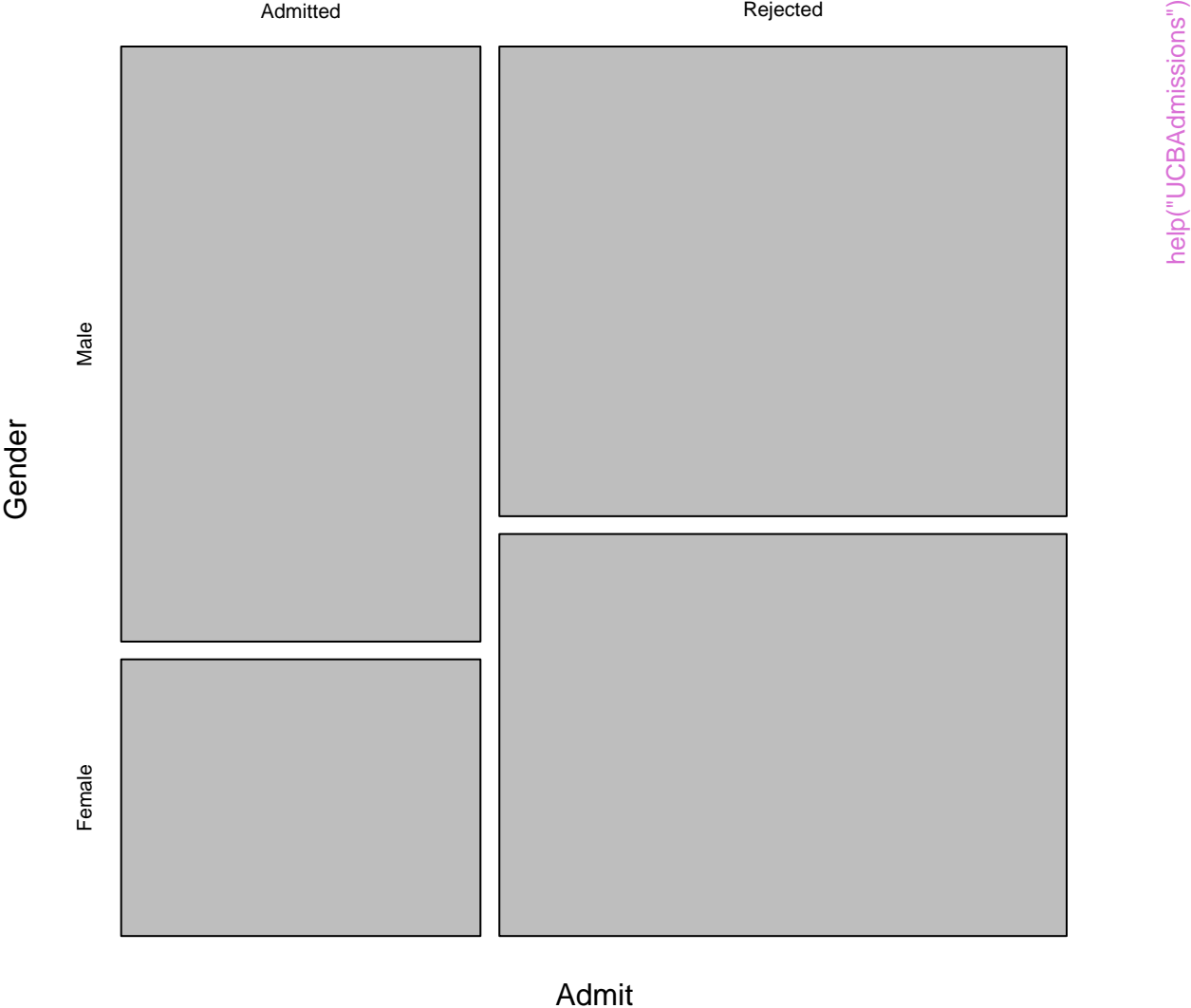
Given : supp



ToothGrowth data: length vs dose, given type of supplement

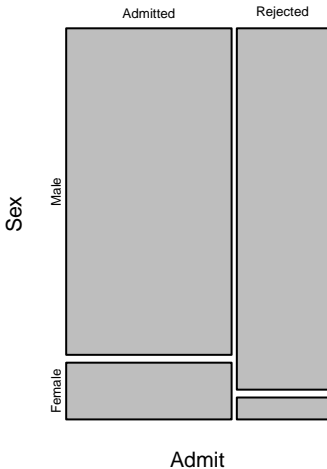
help("ToothGrowth")

Student admissions at UC Berkeley

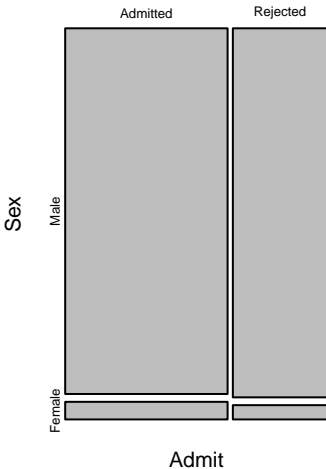


Student admissions at UC Berkeley

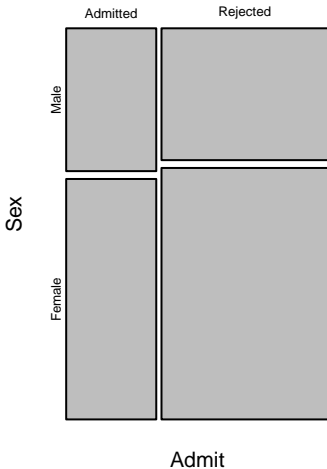
Department A



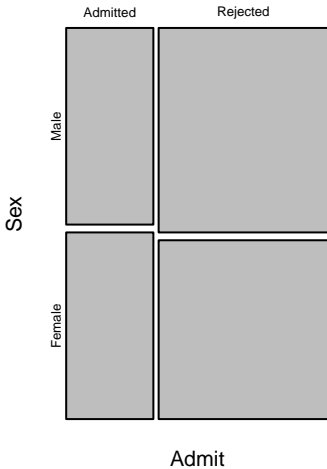
Department B



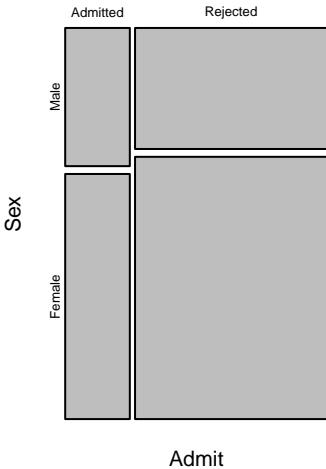
Department C



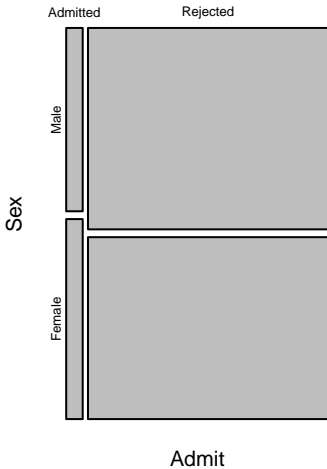
Department D



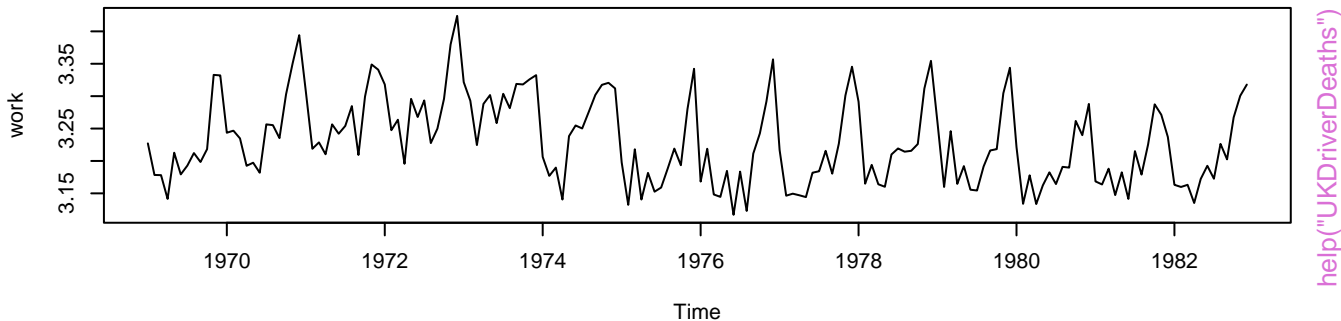
Department E



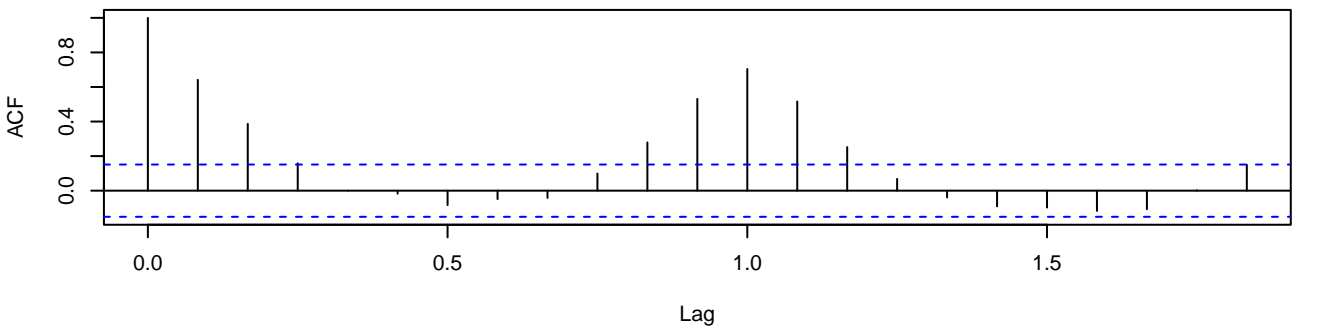
Department F



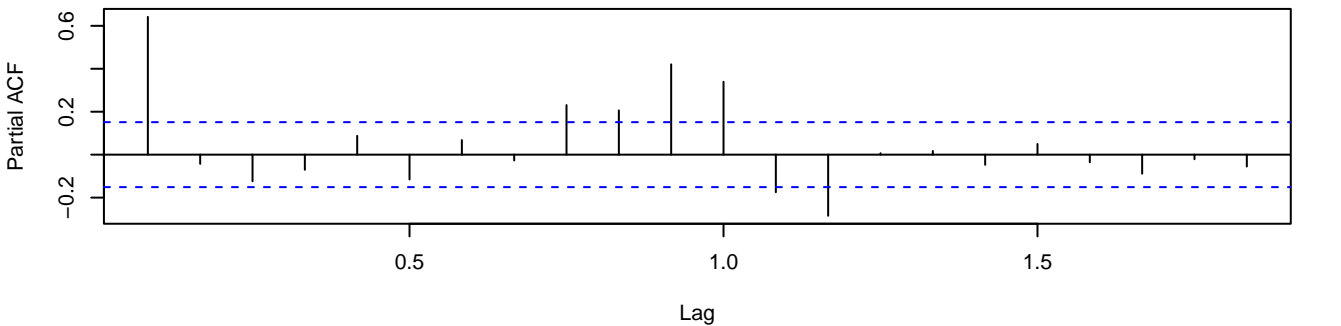
help("UCBAdmissions")

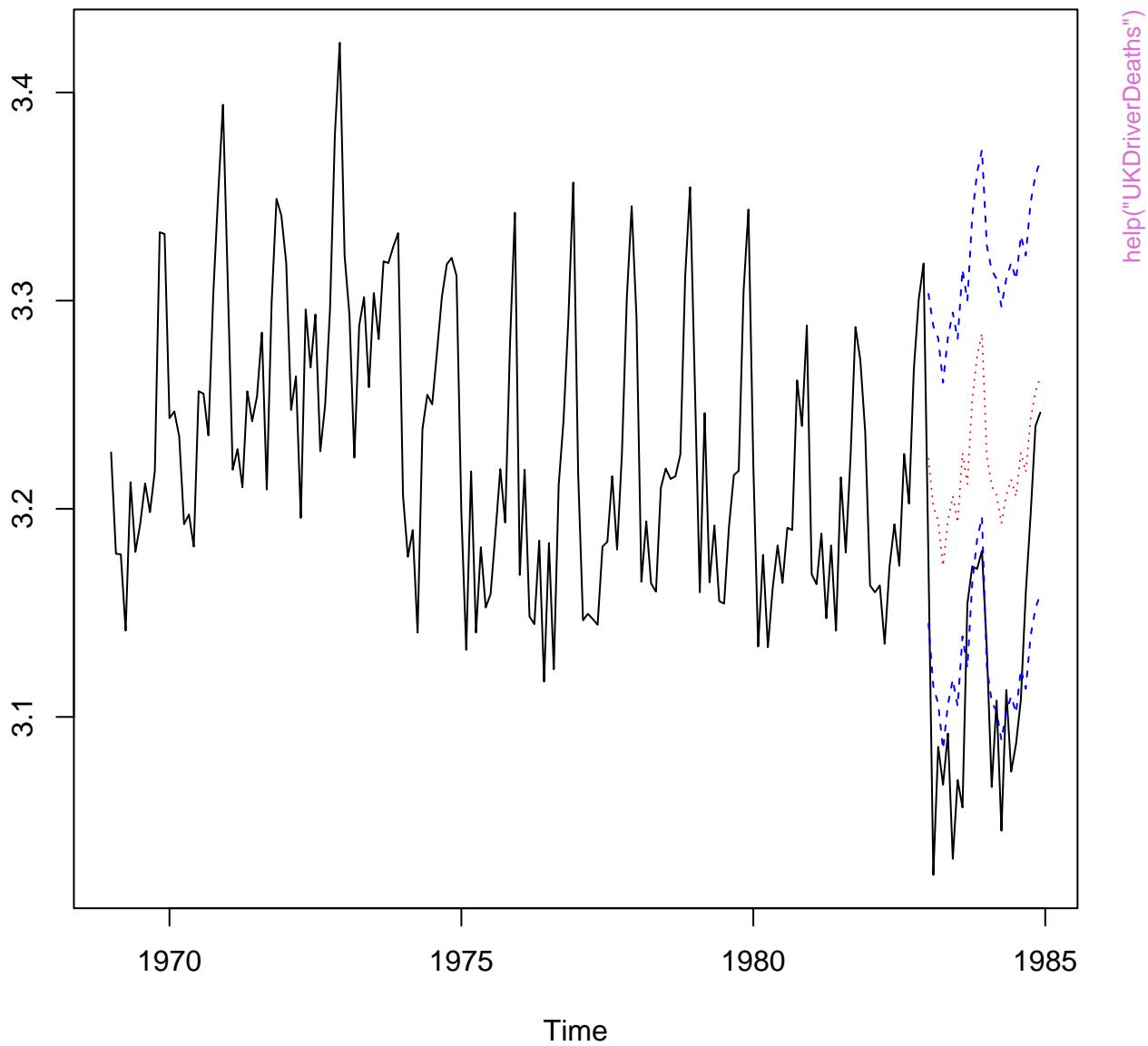


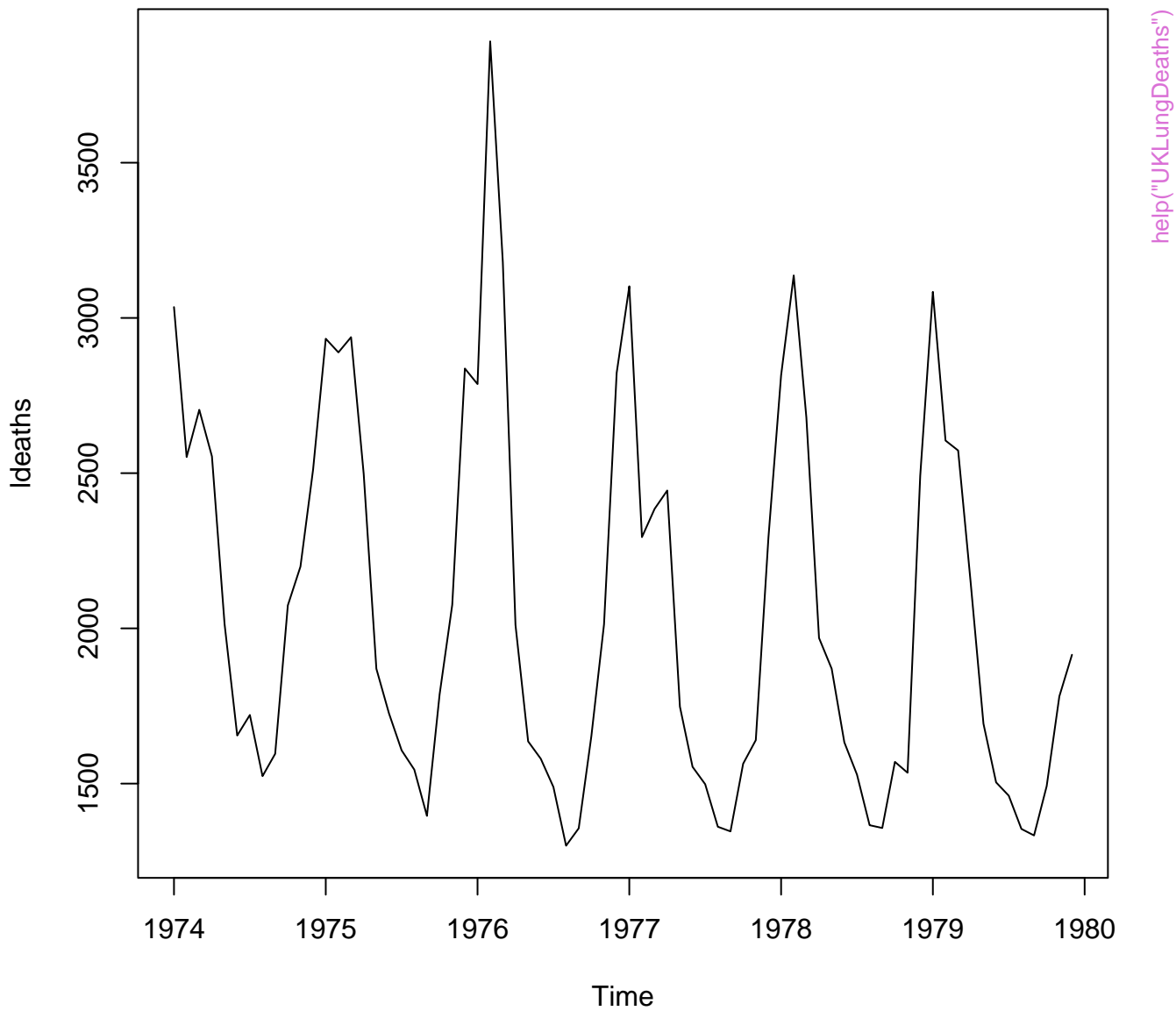
Series work

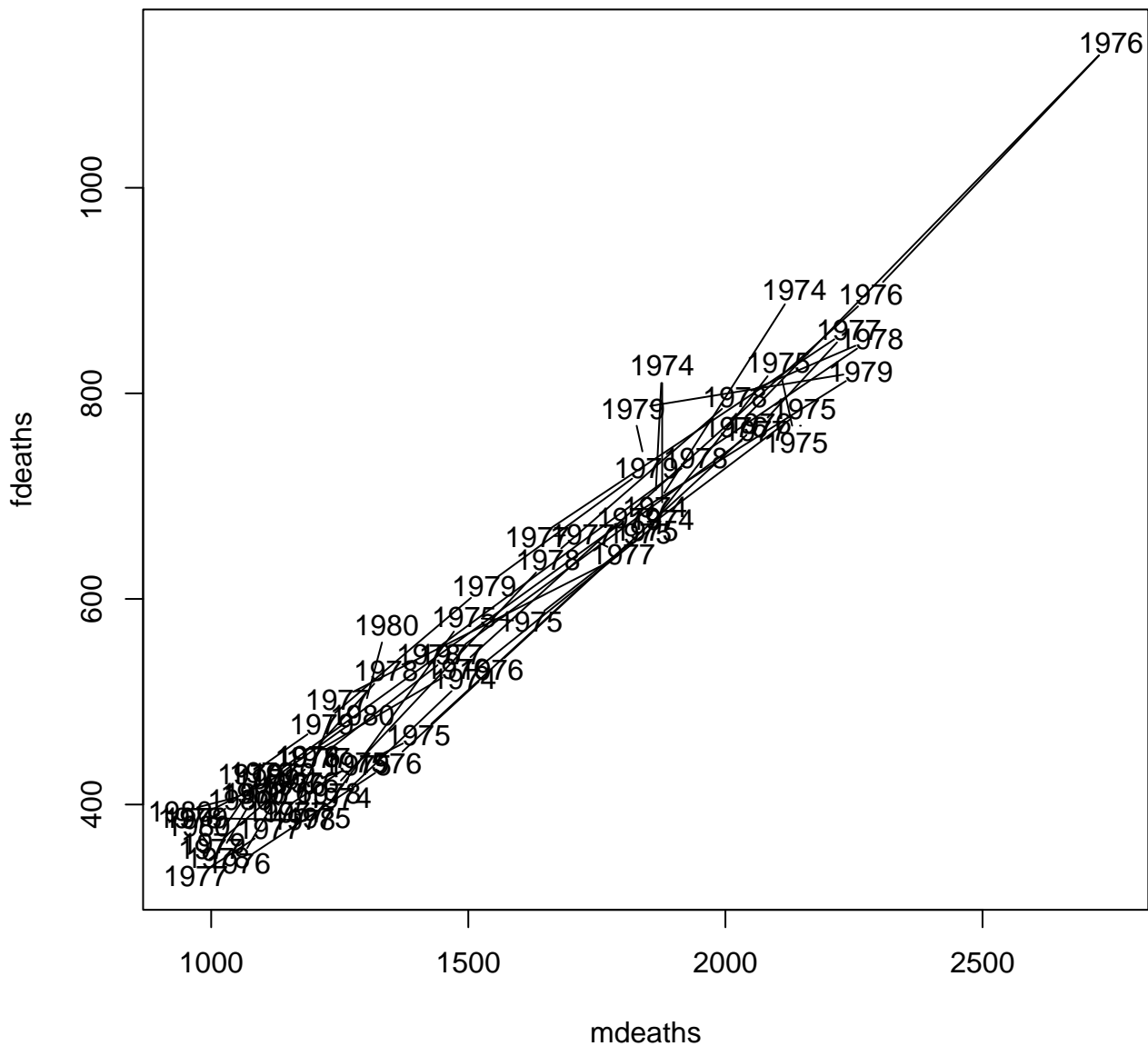


Series work

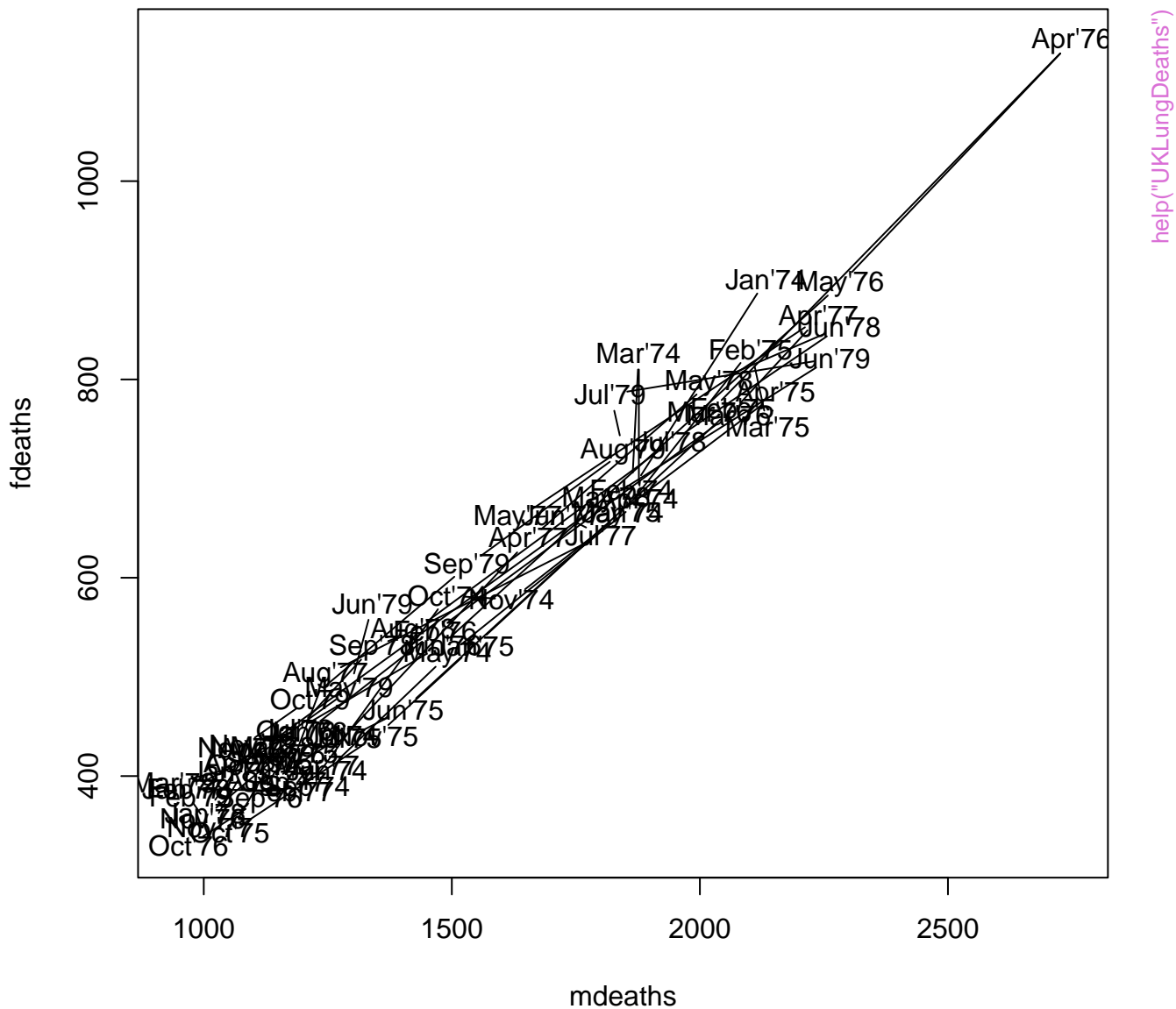




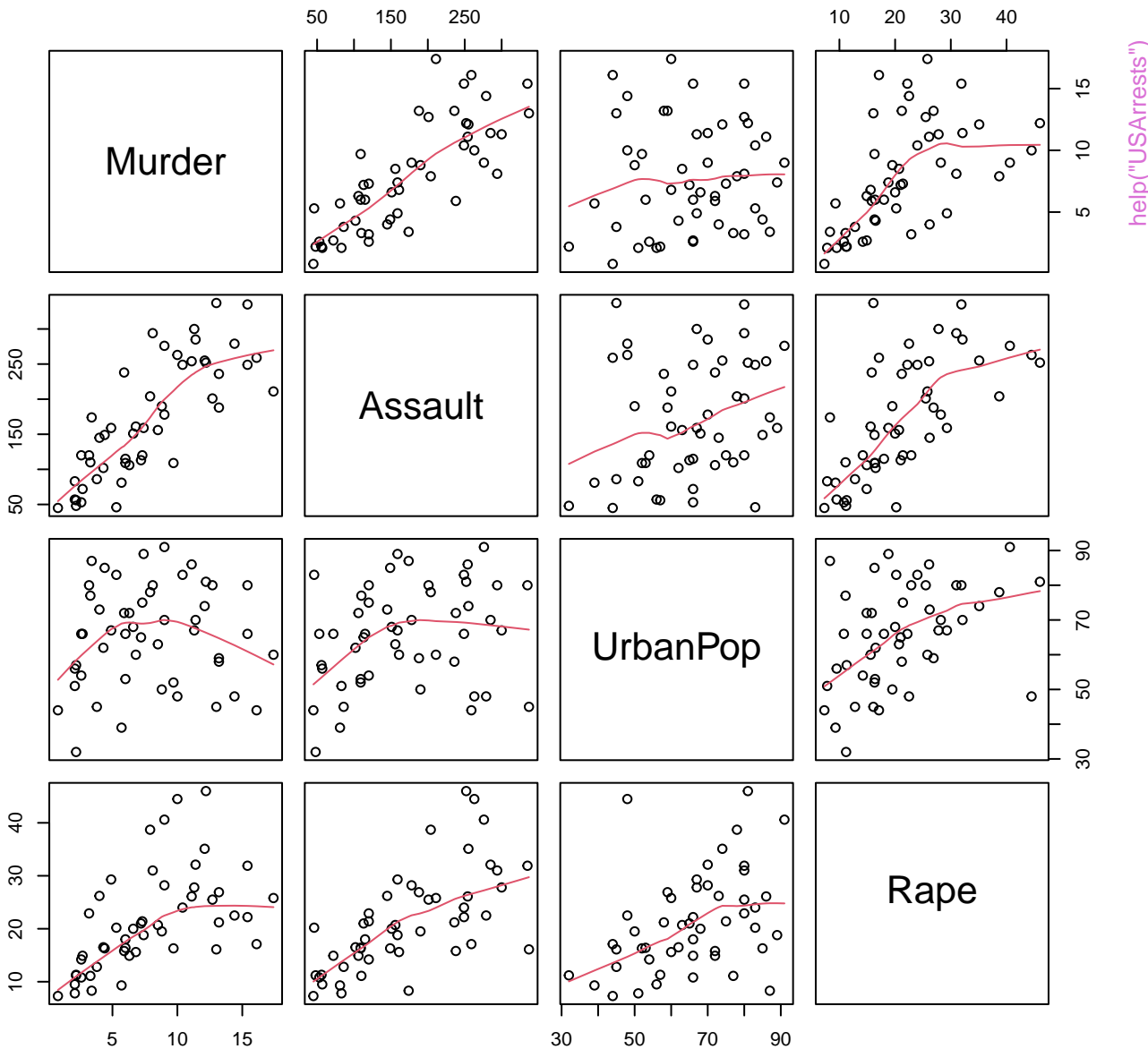




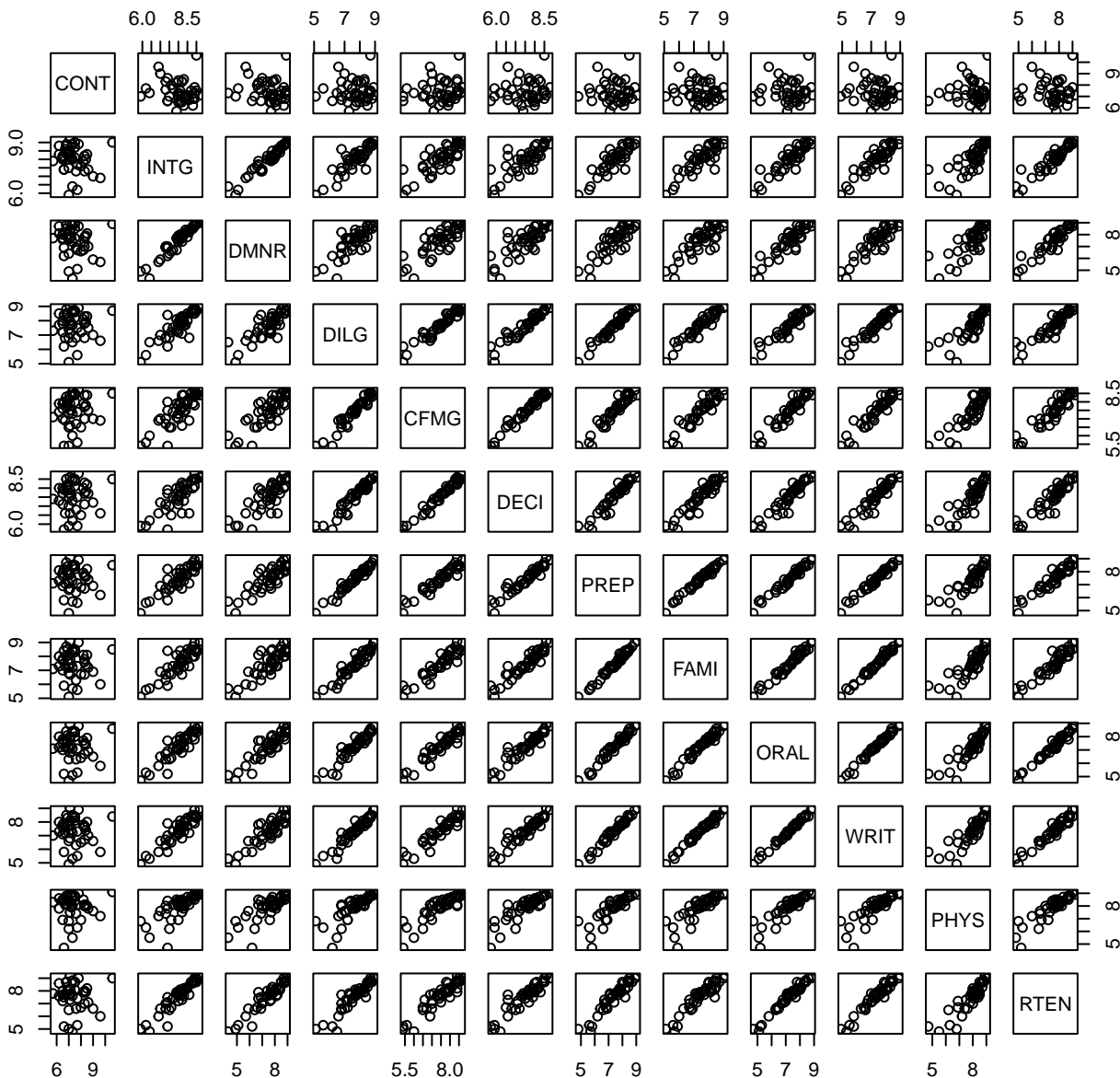
help("UKLungDeaths")



USArrests data

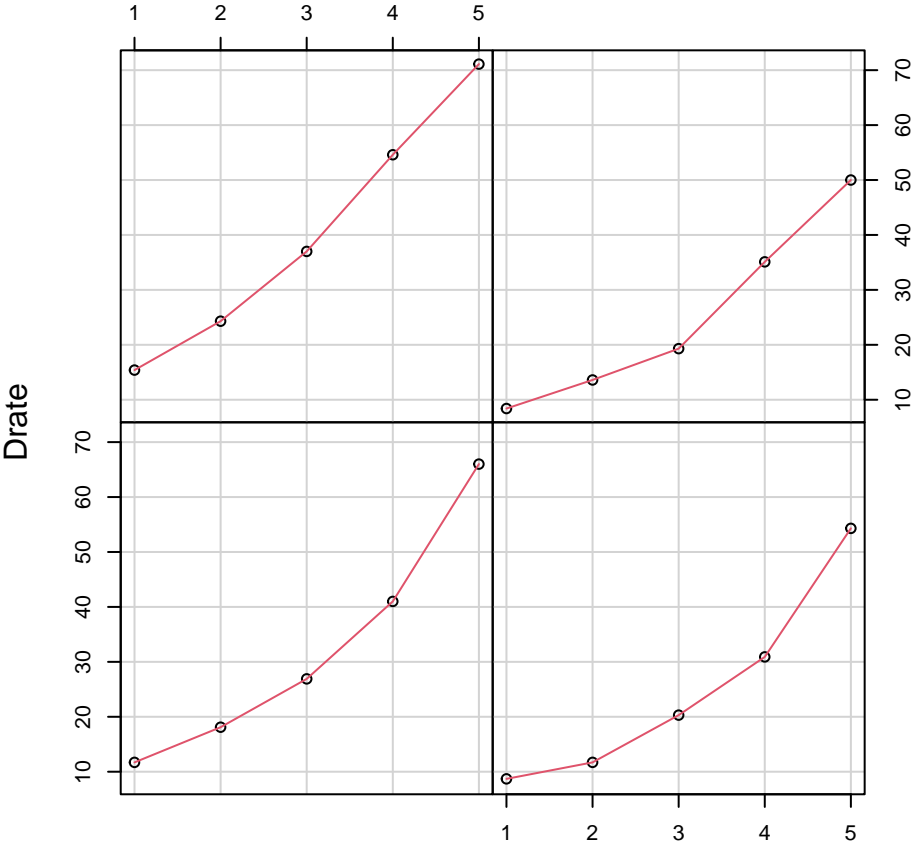
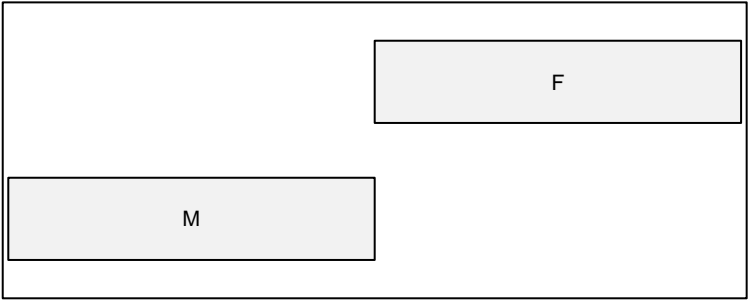


USJudgeRatings data

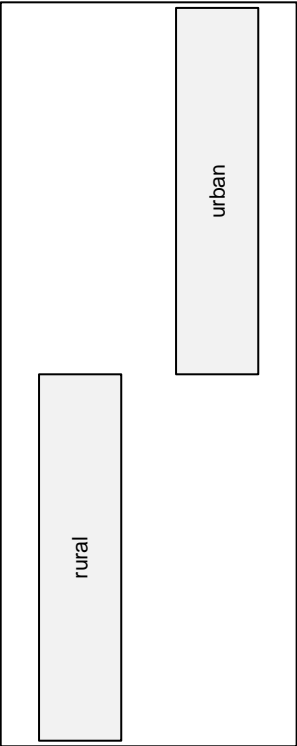


help("USJudgeRatings")

Given : gender



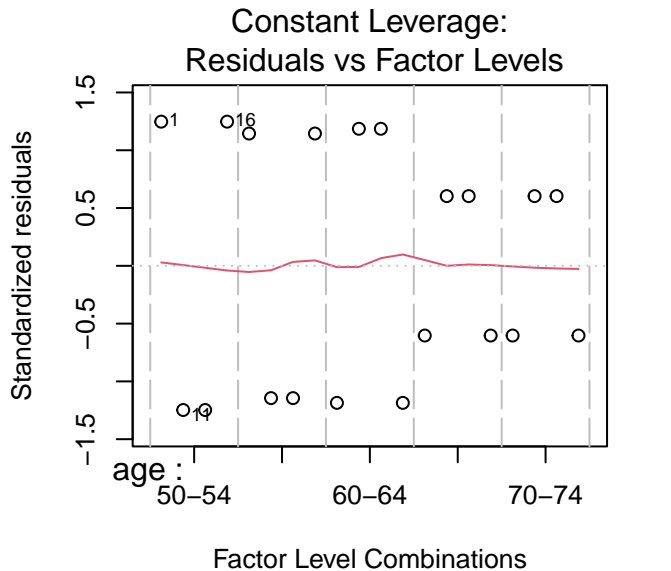
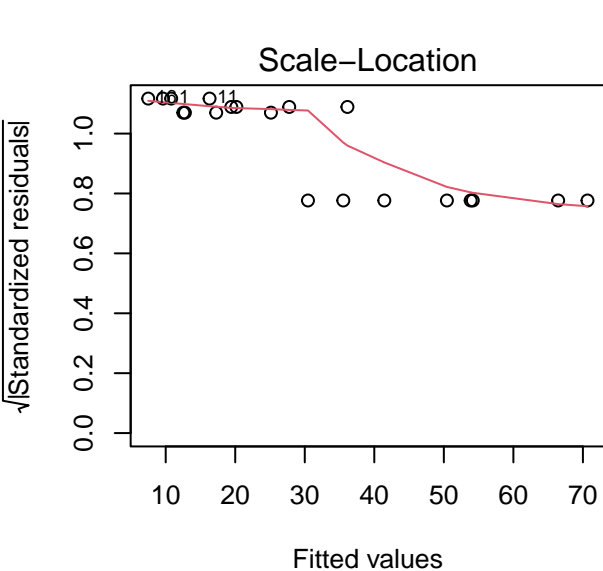
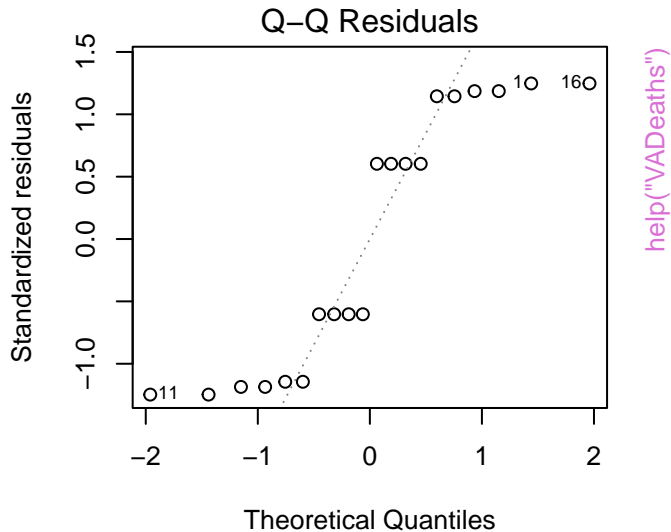
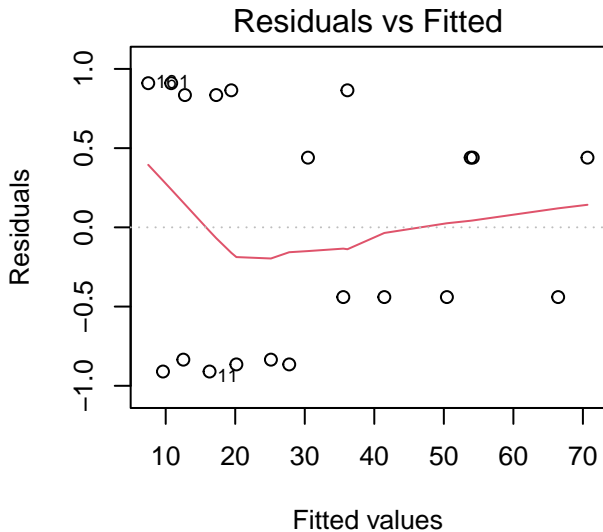
VADeaths data – Given: gender



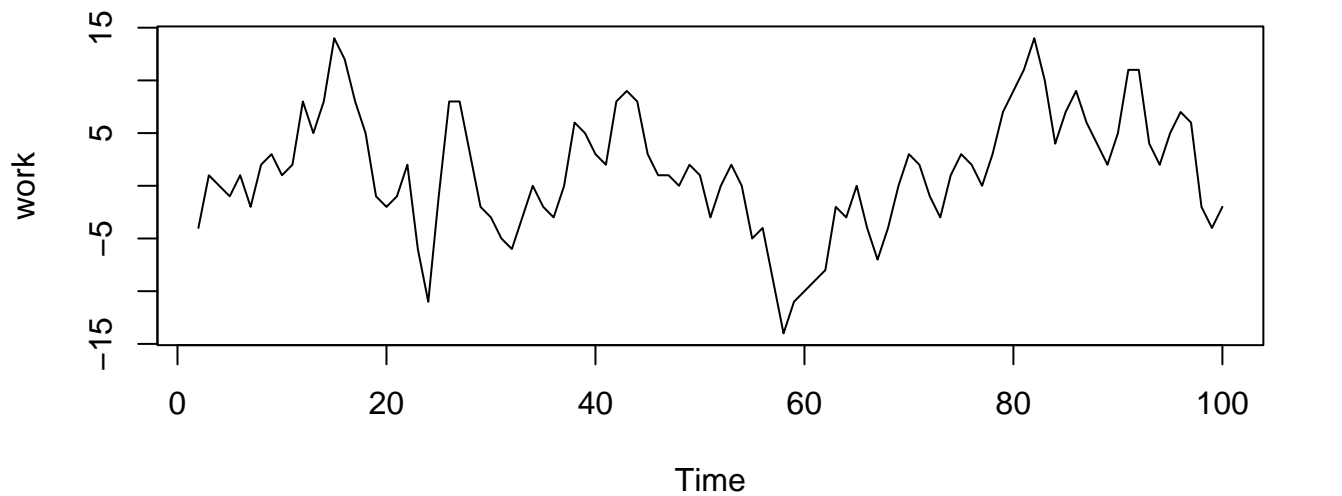
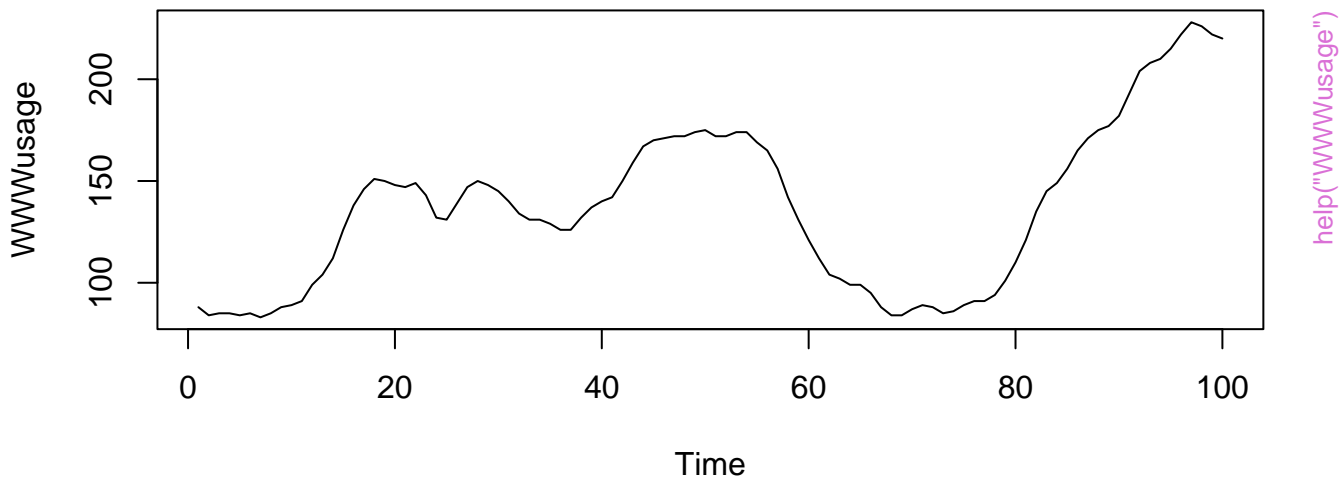
Given : site

help("VADeaths")

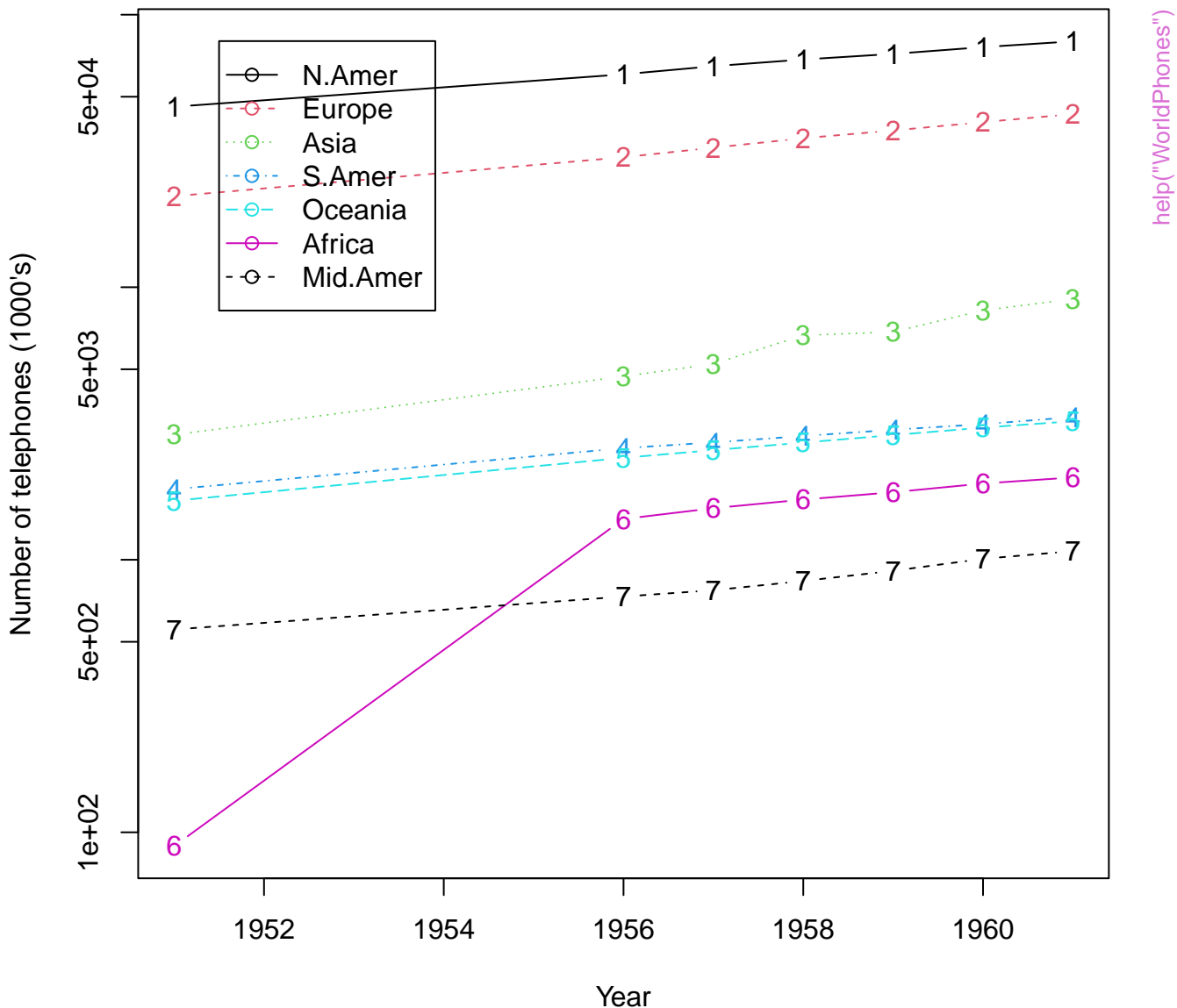
aov(Drate ~ .^2)



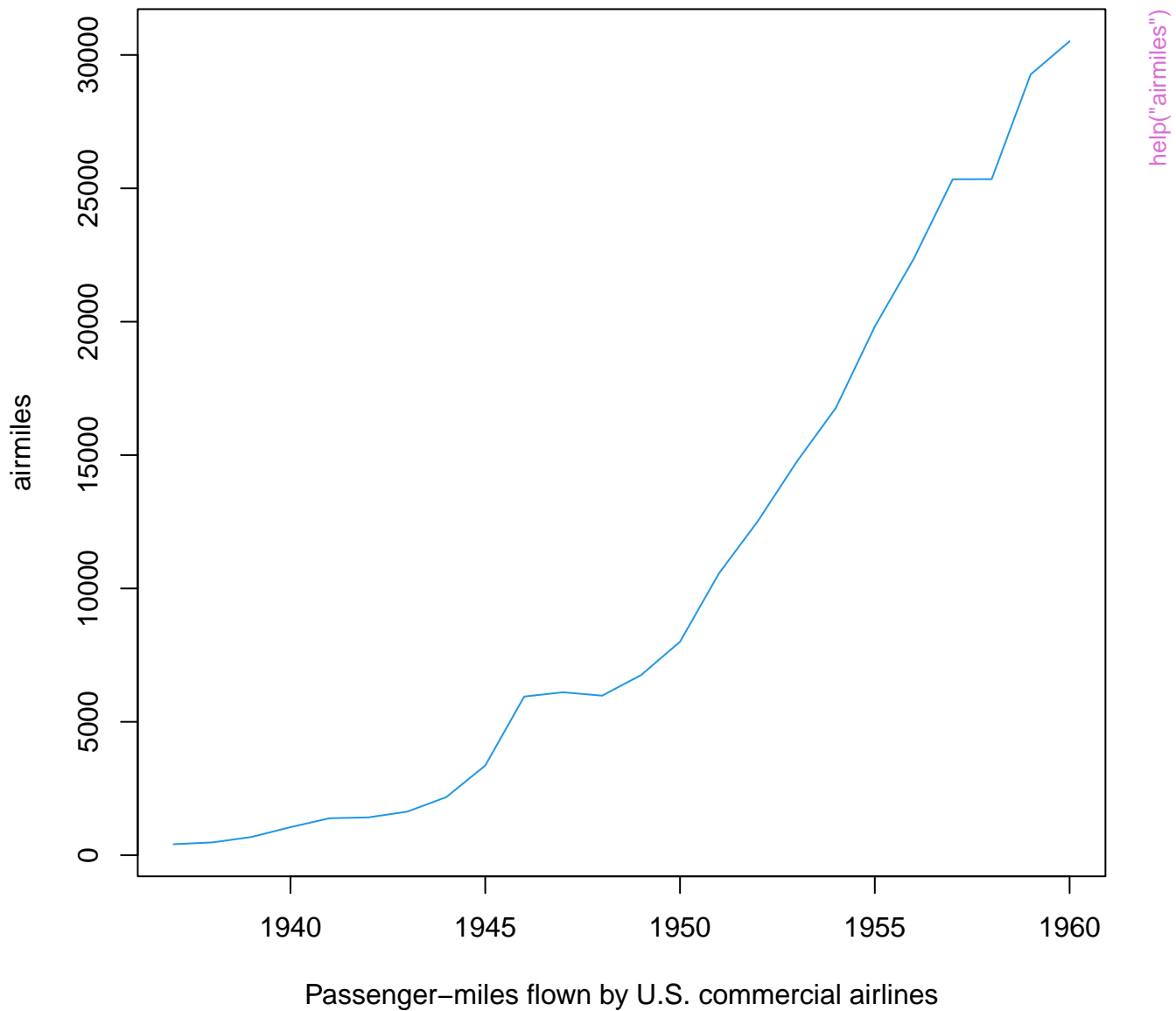
help("VADeaths")



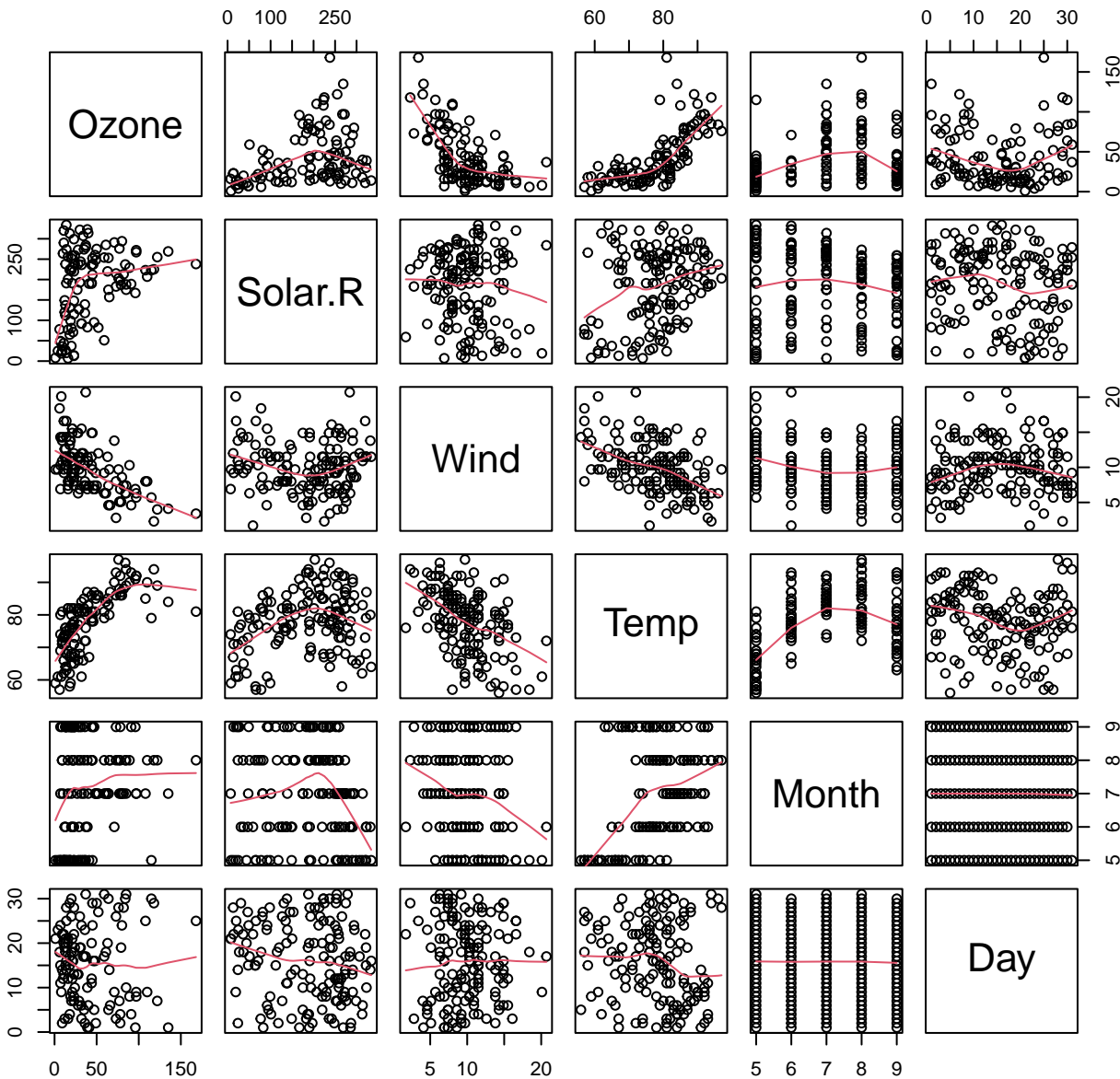
World phones data: log scale for response



airmiles data

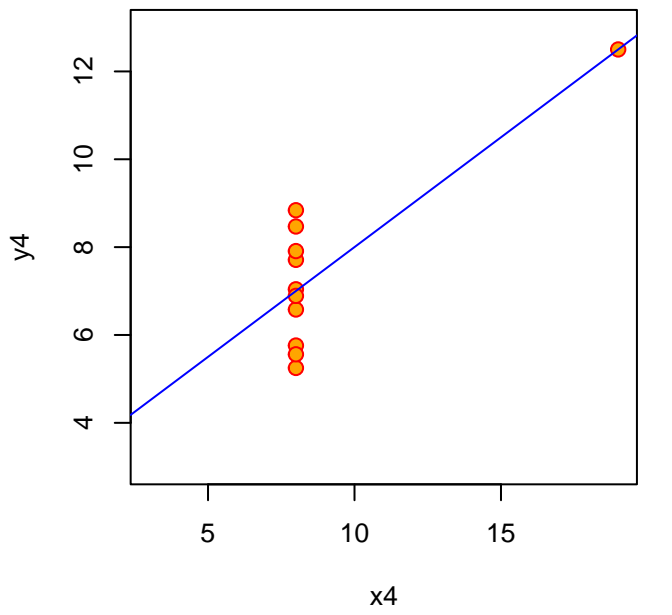
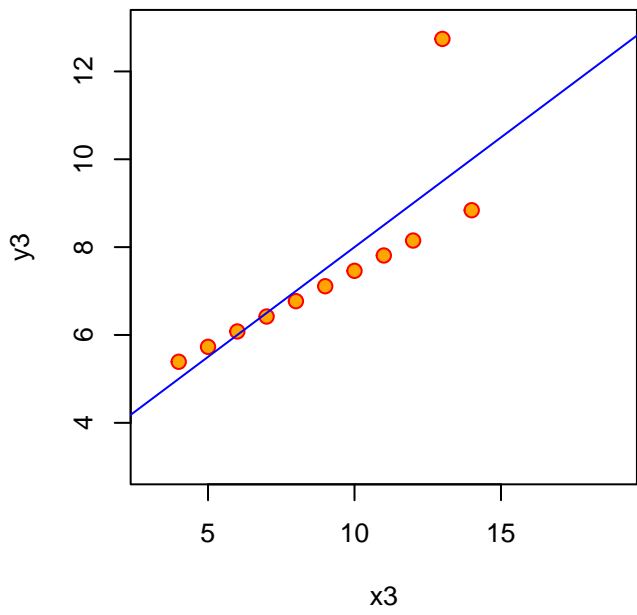
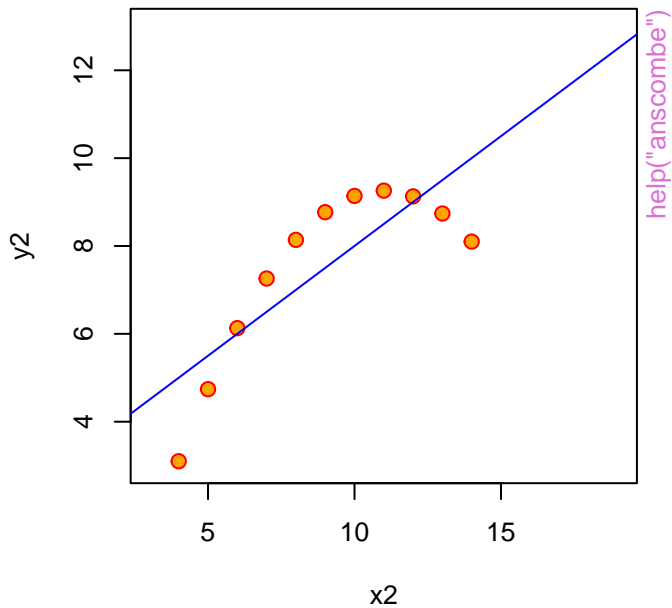
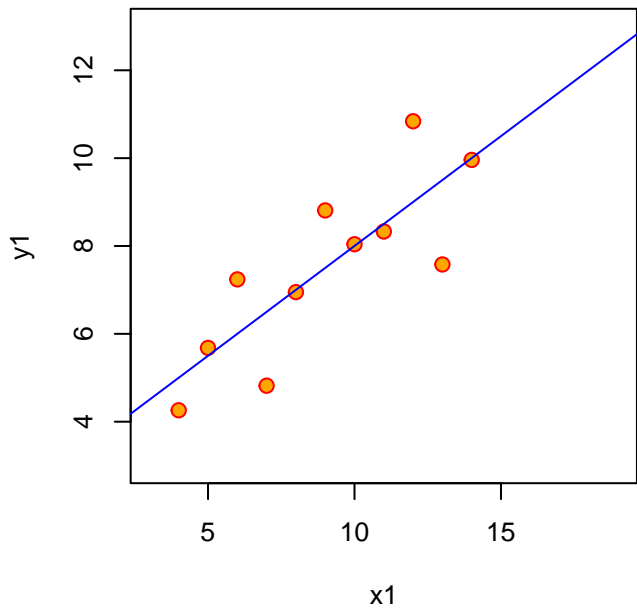


airquality data

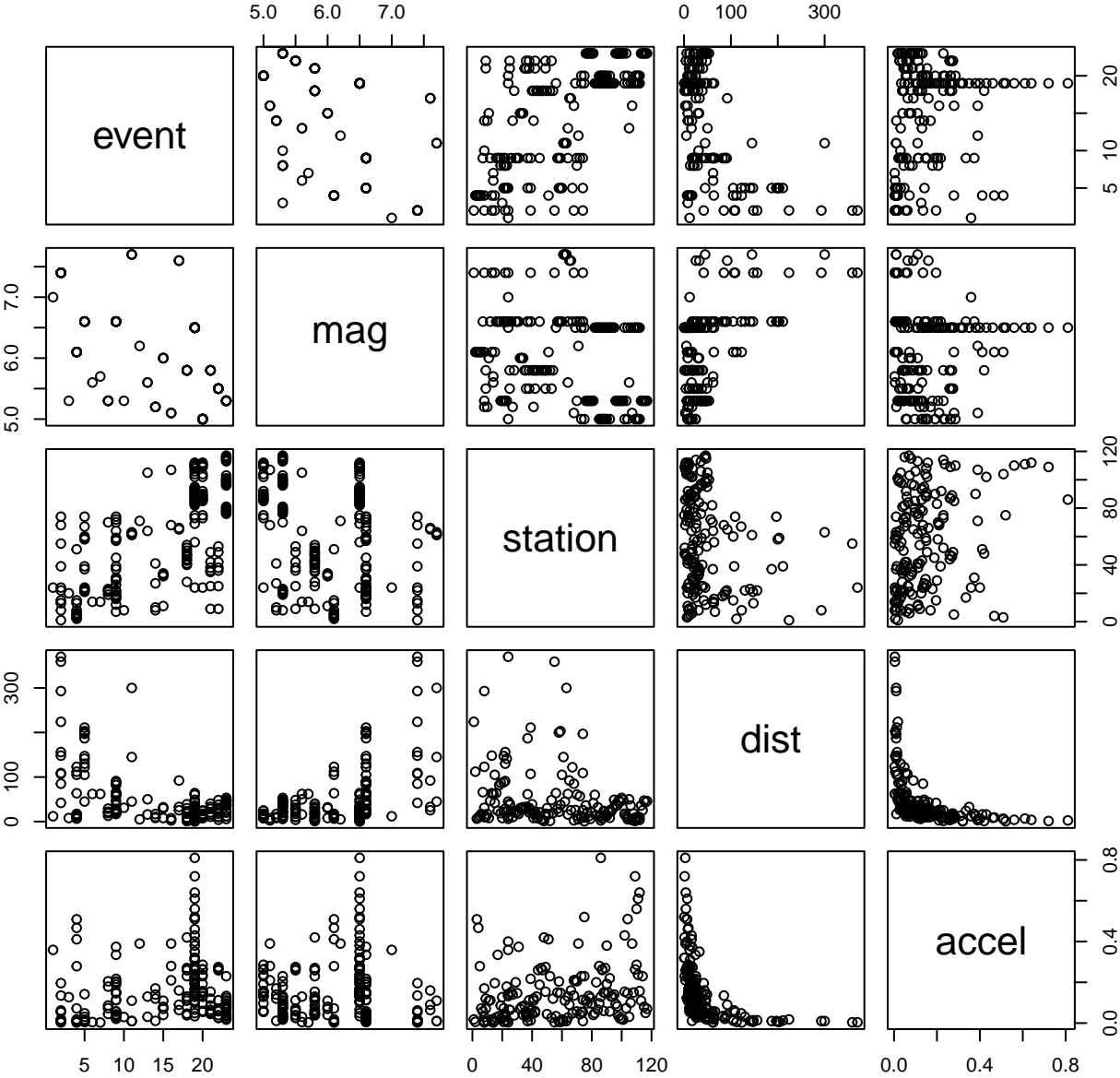


help("airquality")

Anscombe's 4 Regression data sets

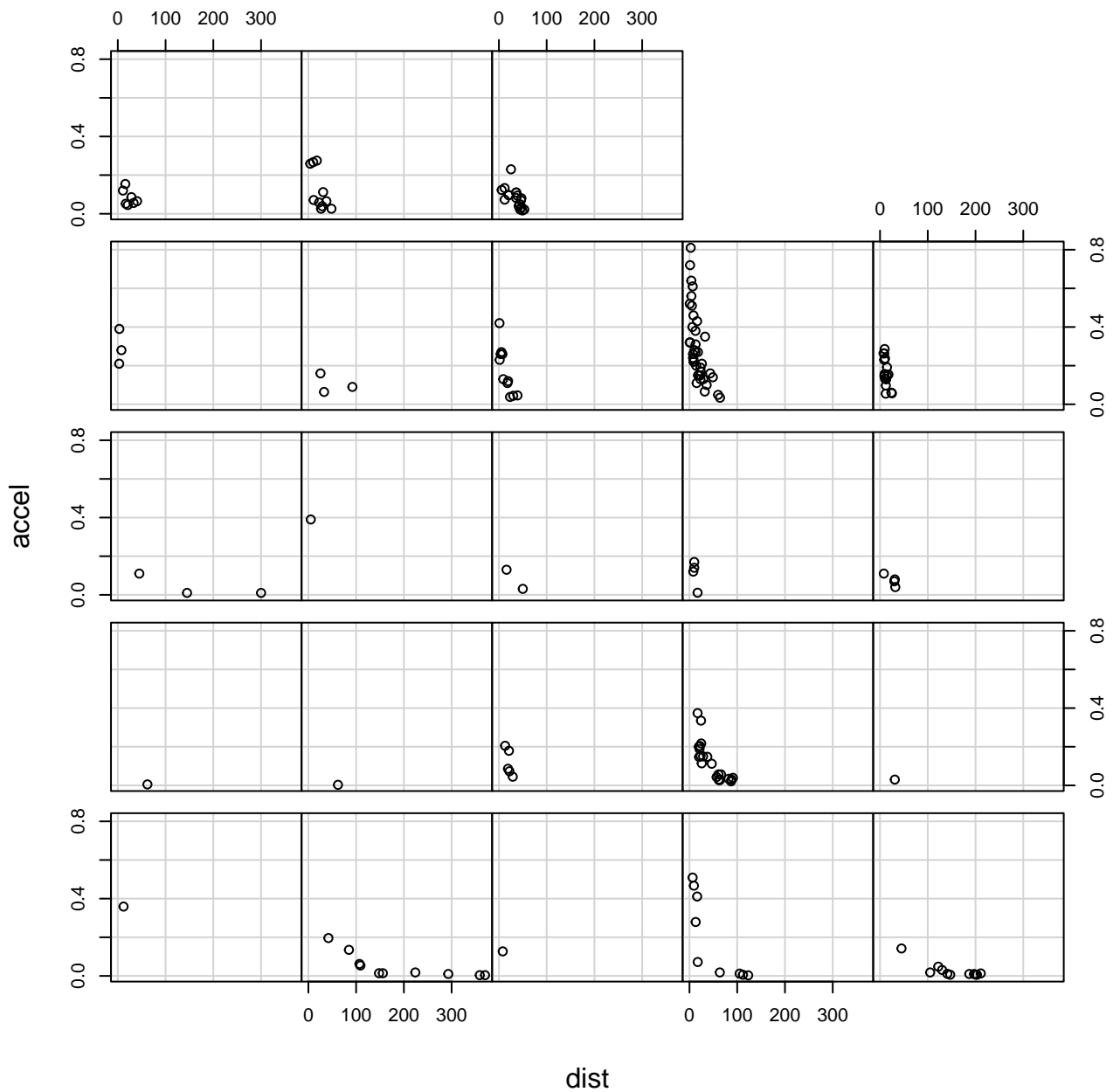


attenu data

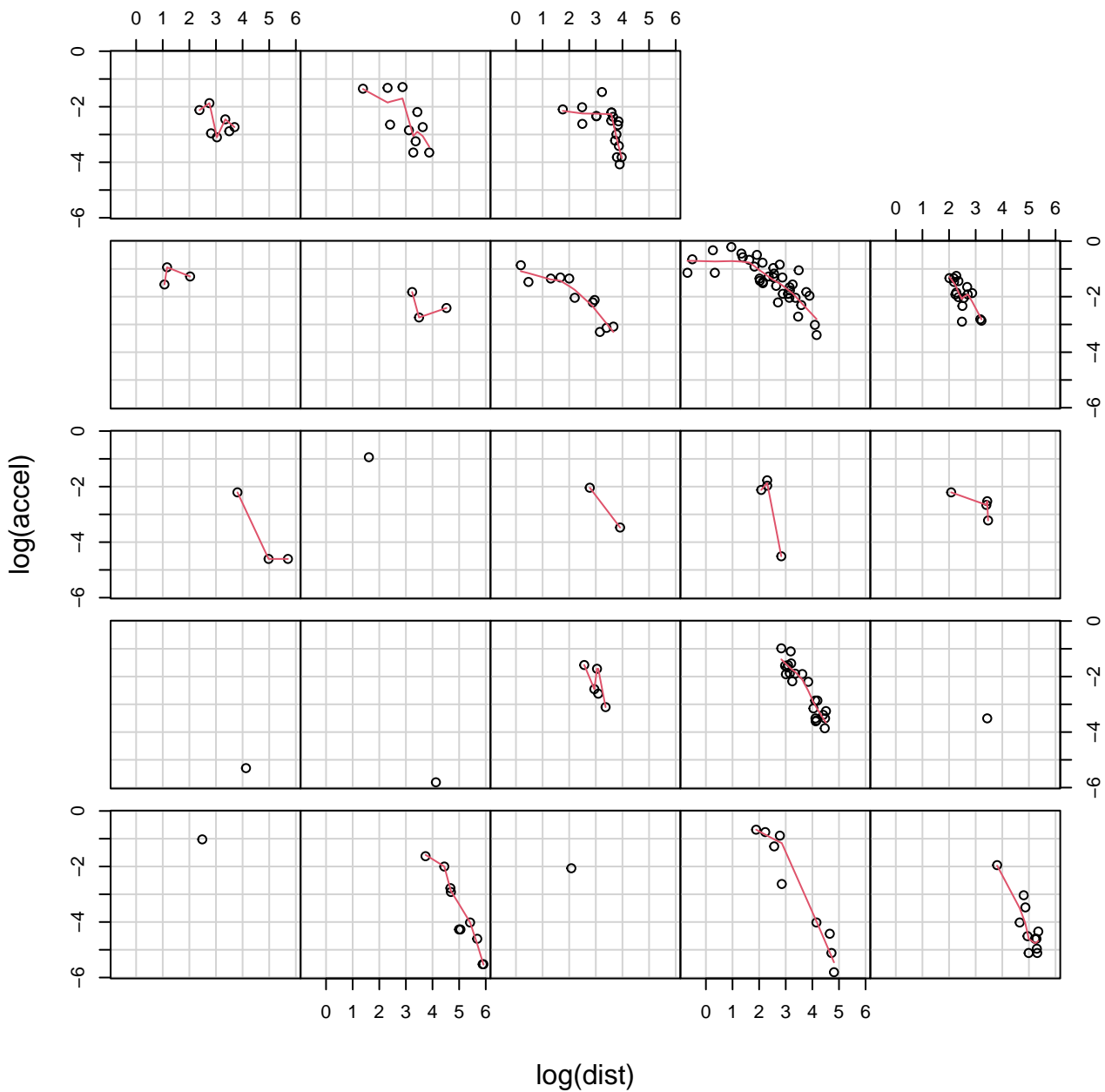


help("attenu")

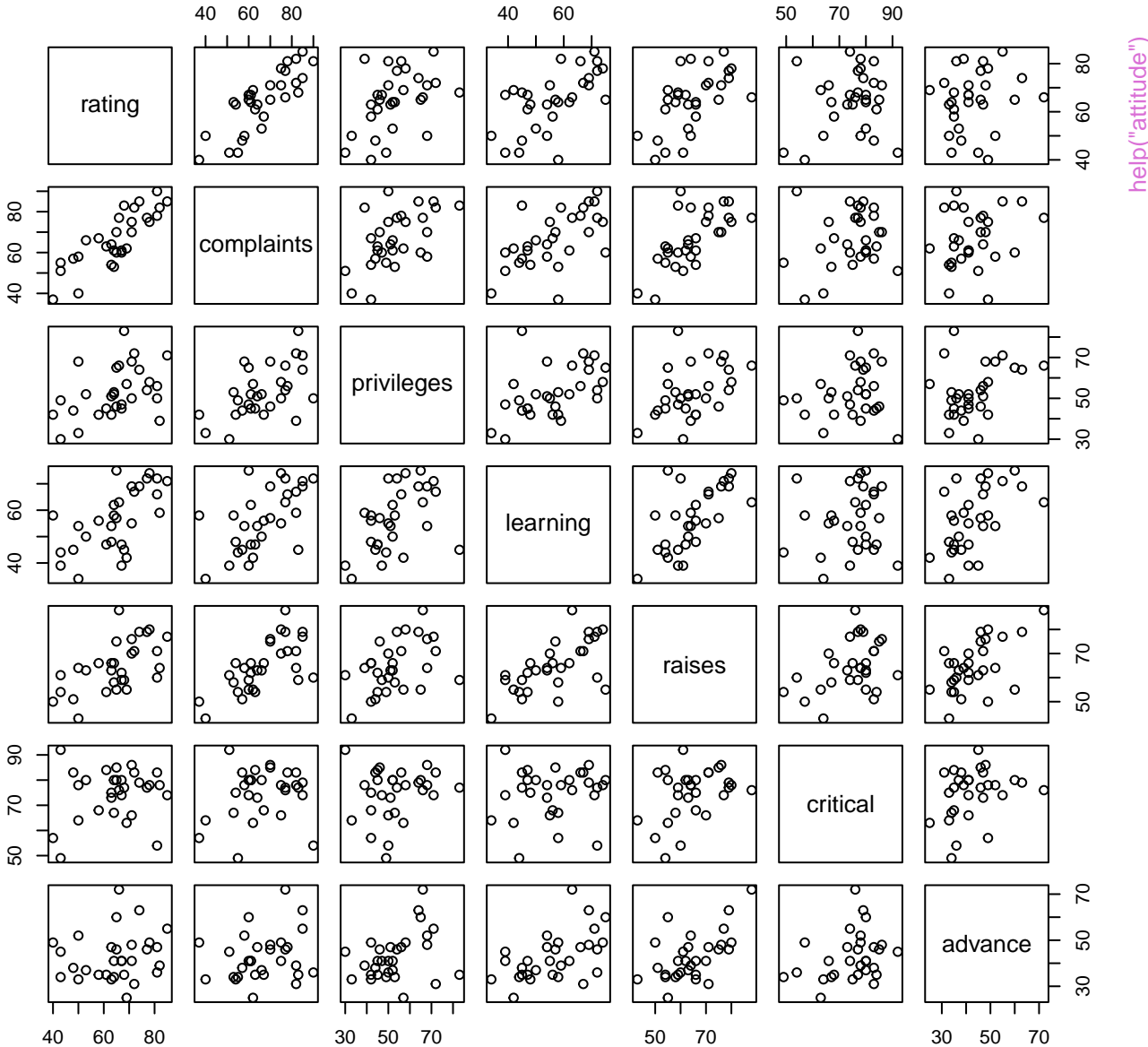
Given : as.factor(event)



Given : as.factor(event)

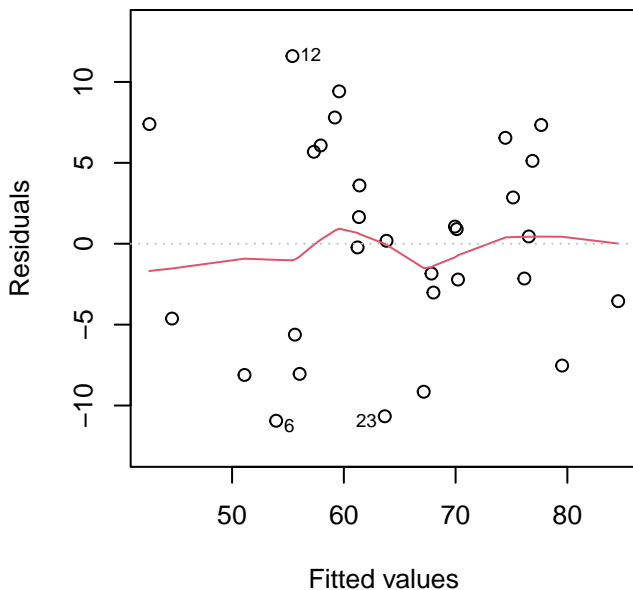


attitude data

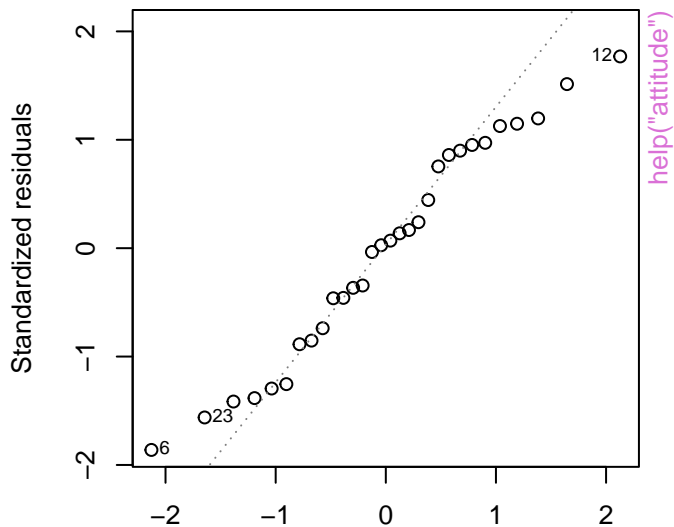


lm(rating ~ .)

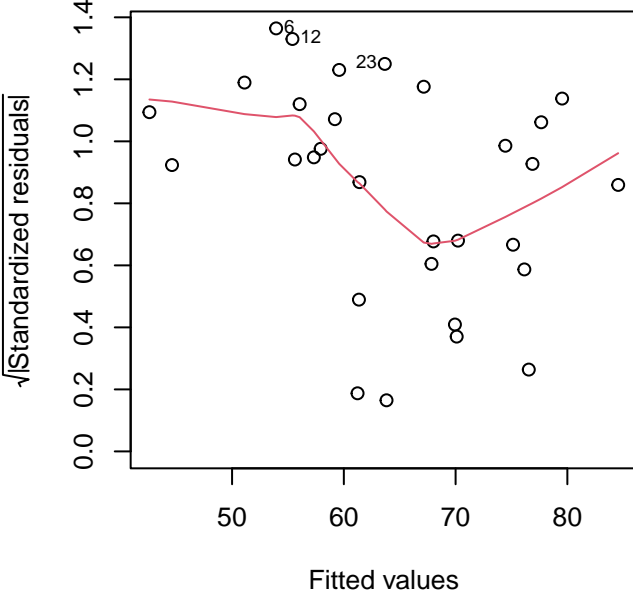
Residuals vs Fitted



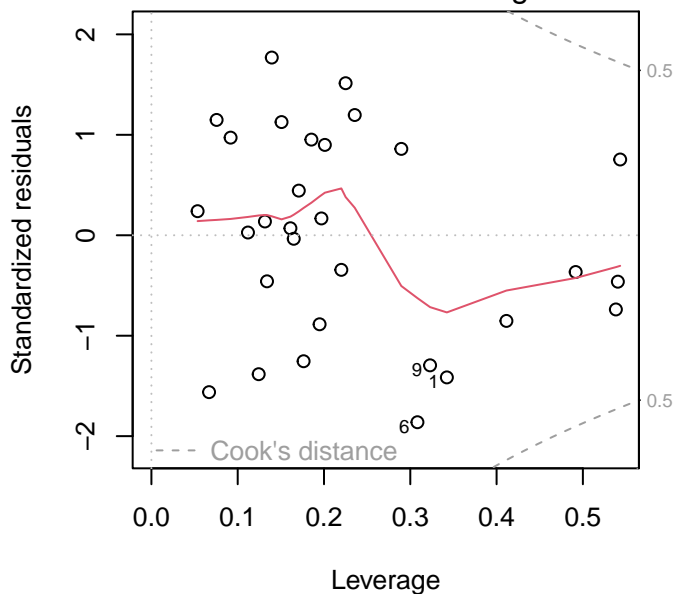
Q-Q Residuals



Scale-Location

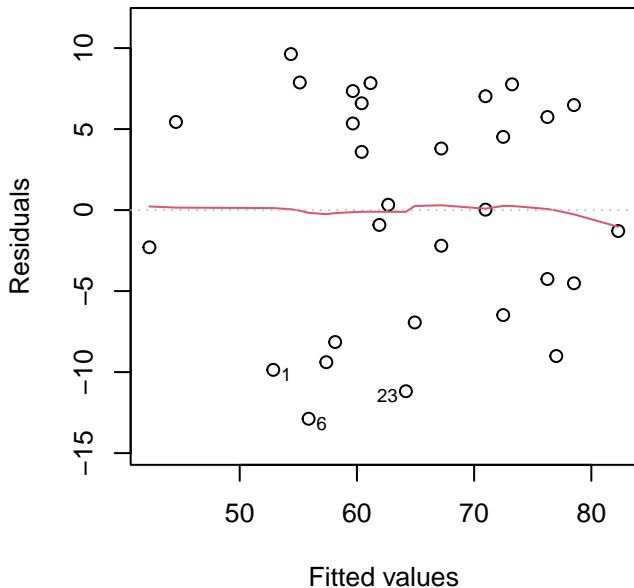


Residuals vs Leverage

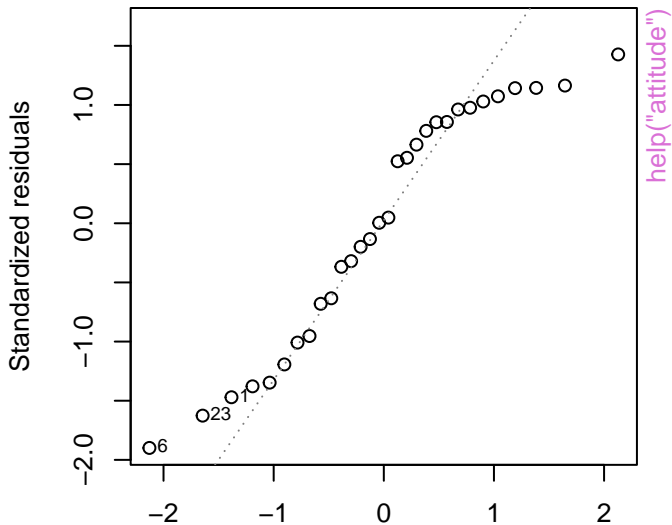


lm(rating ~ complaints)

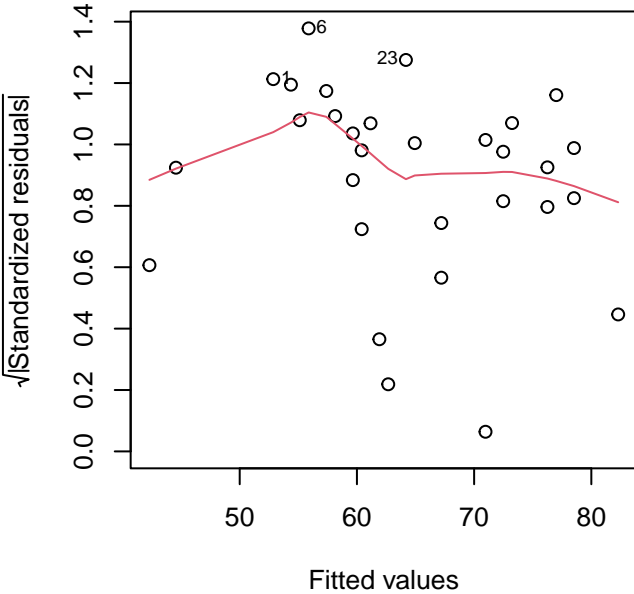
Residuals vs Fitted



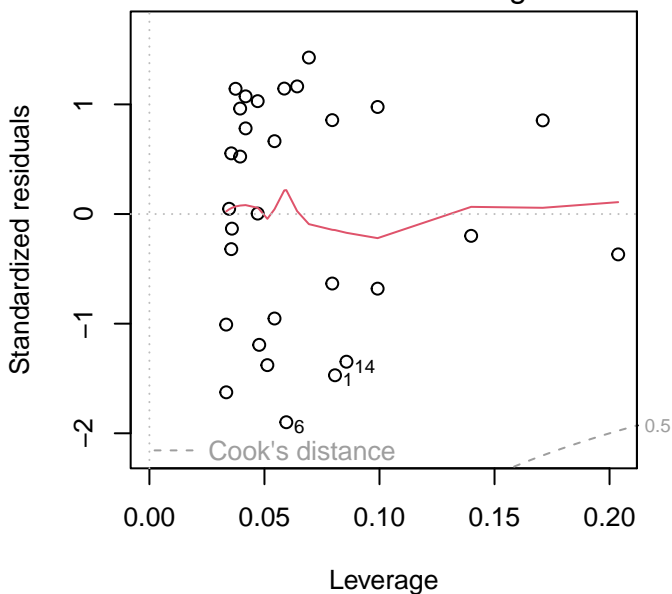
Q-Q Residuals



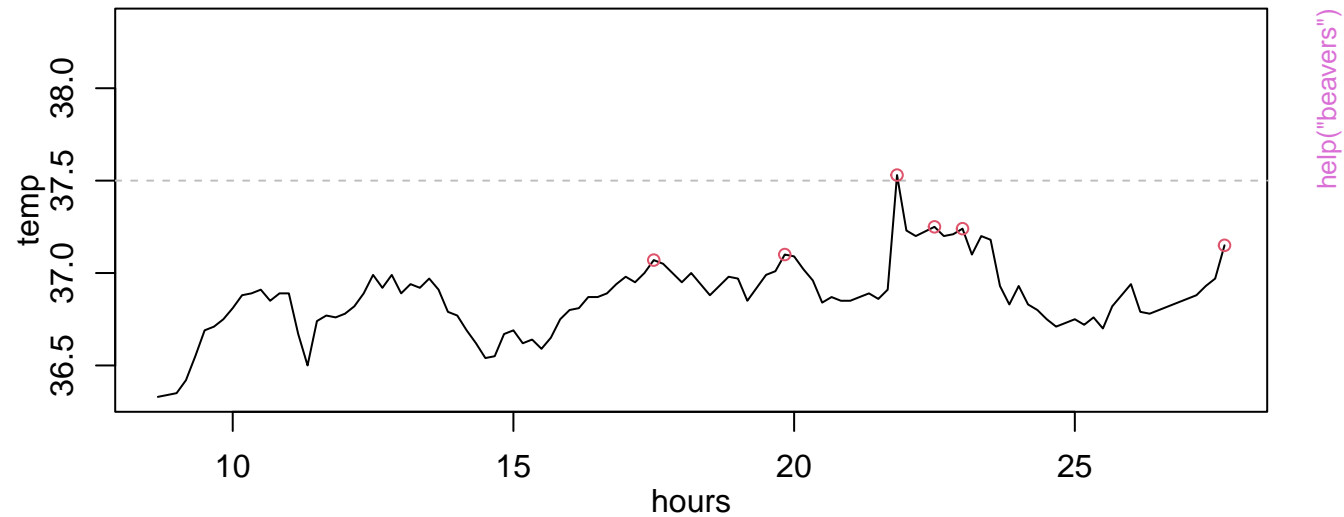
Scale-Location



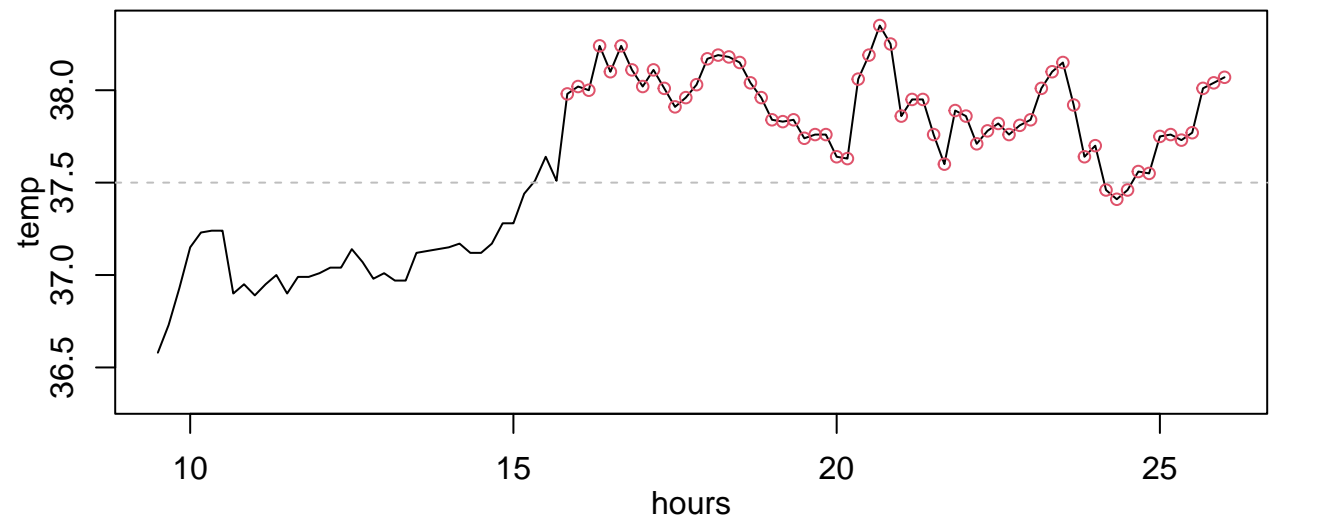
Residuals vs Leverage



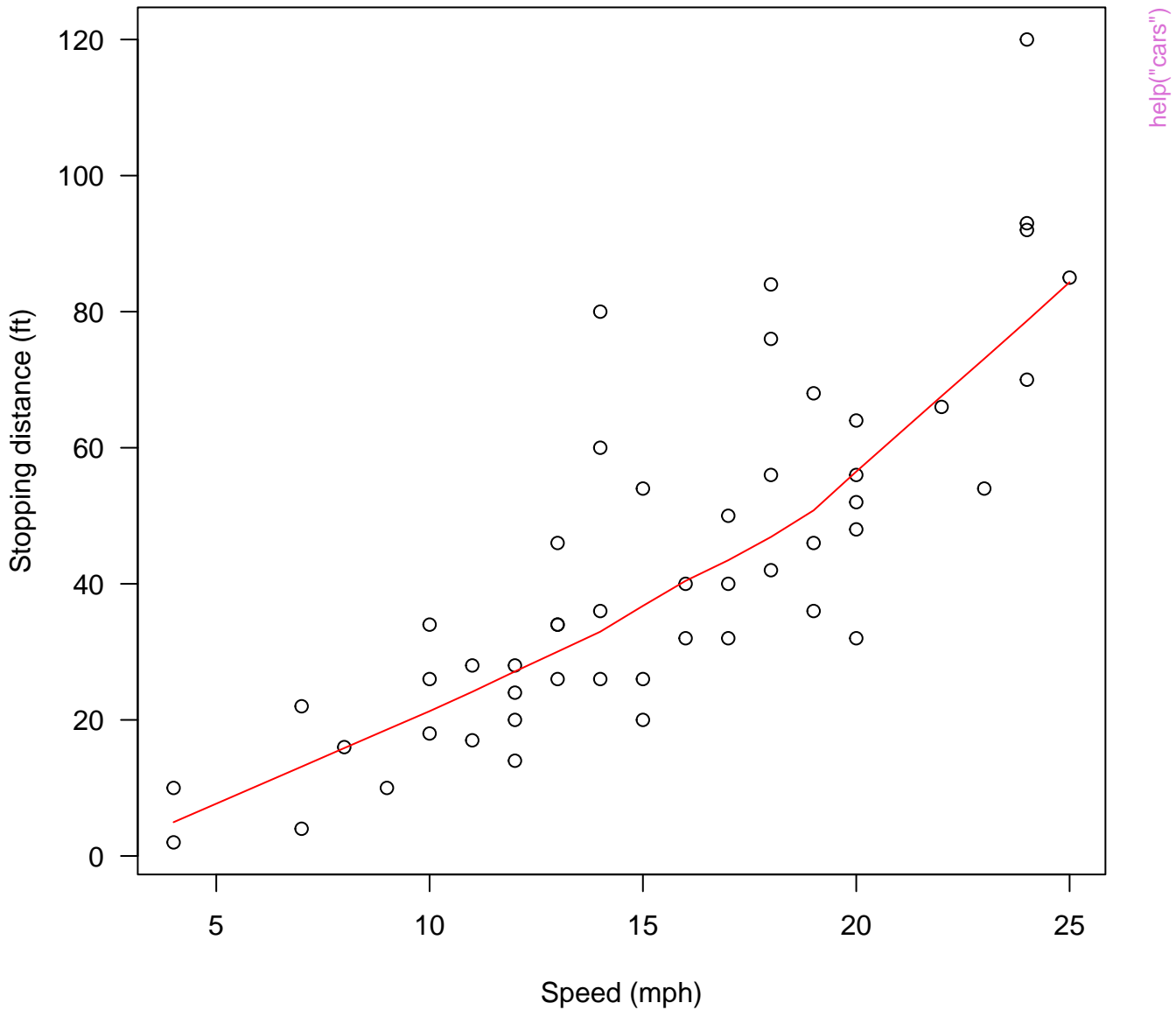
beaver1 body temperature



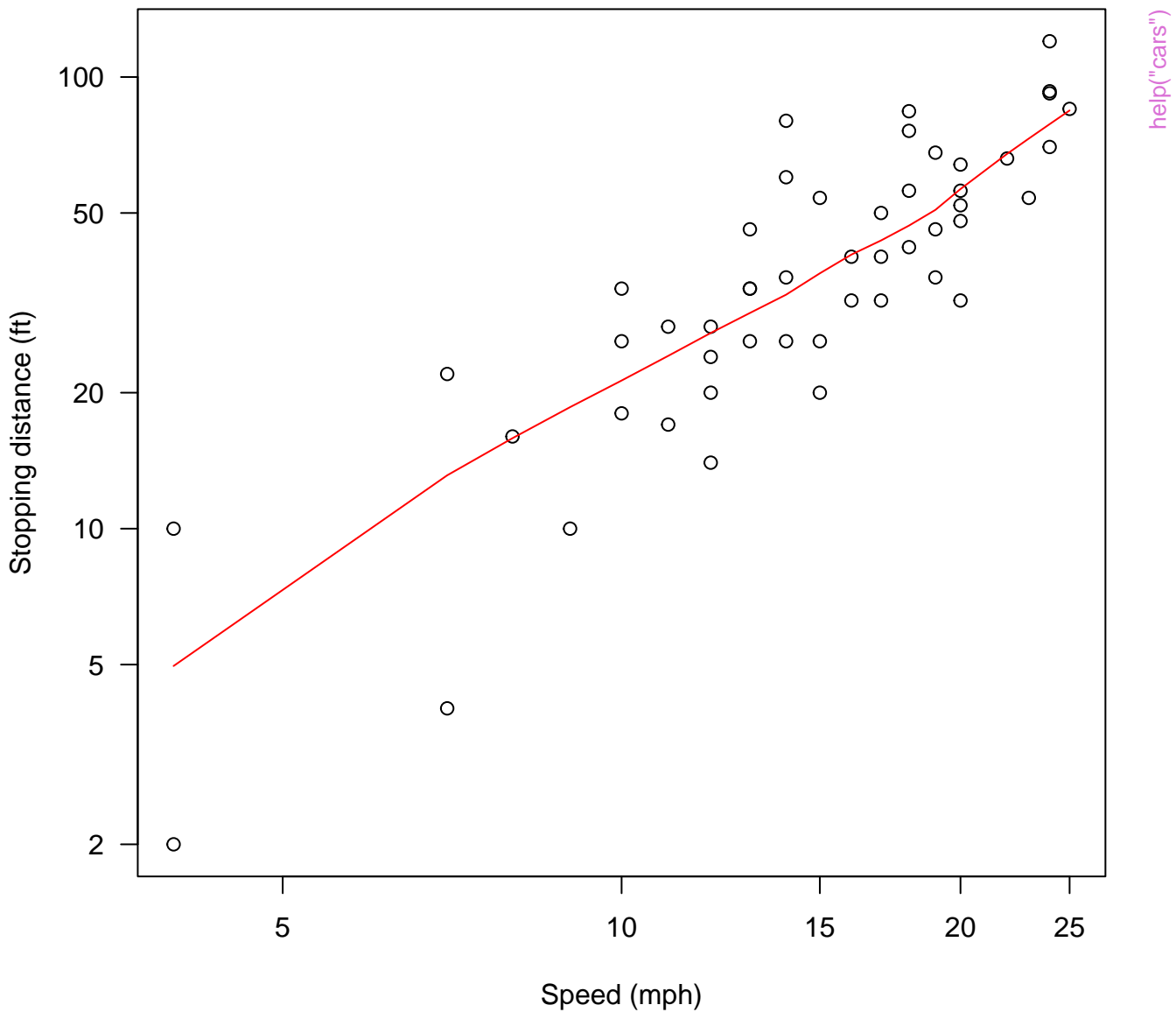
beaver2 body temperature



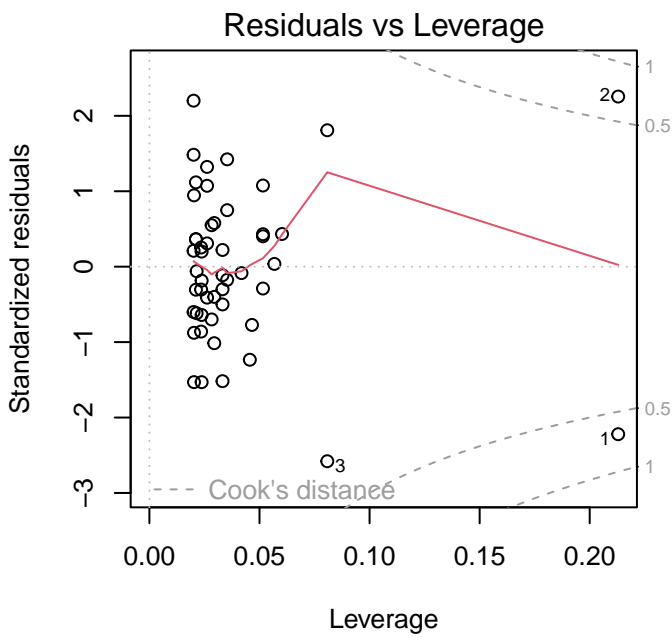
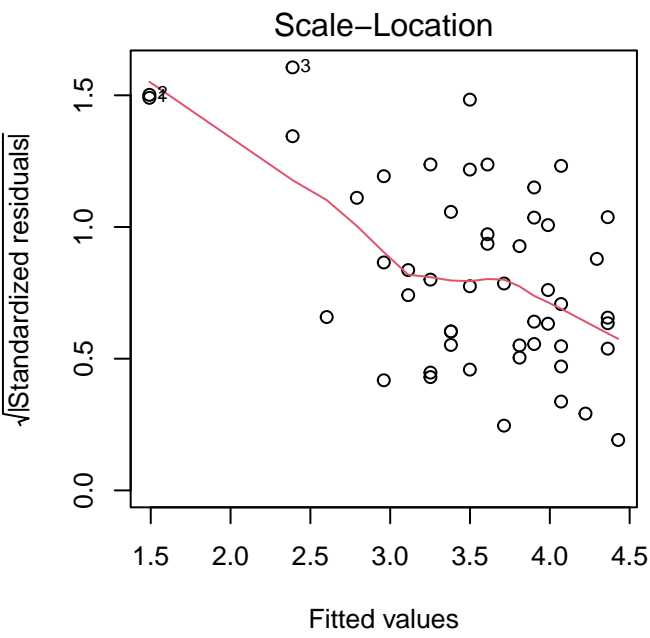
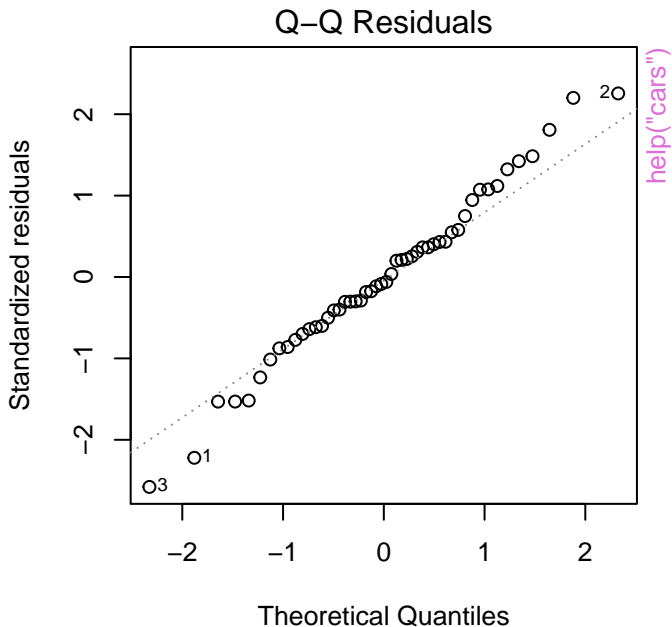
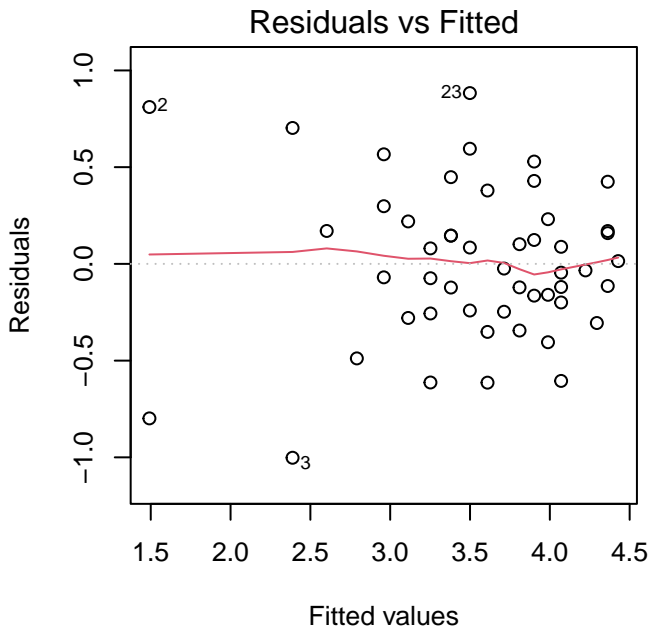
cars data

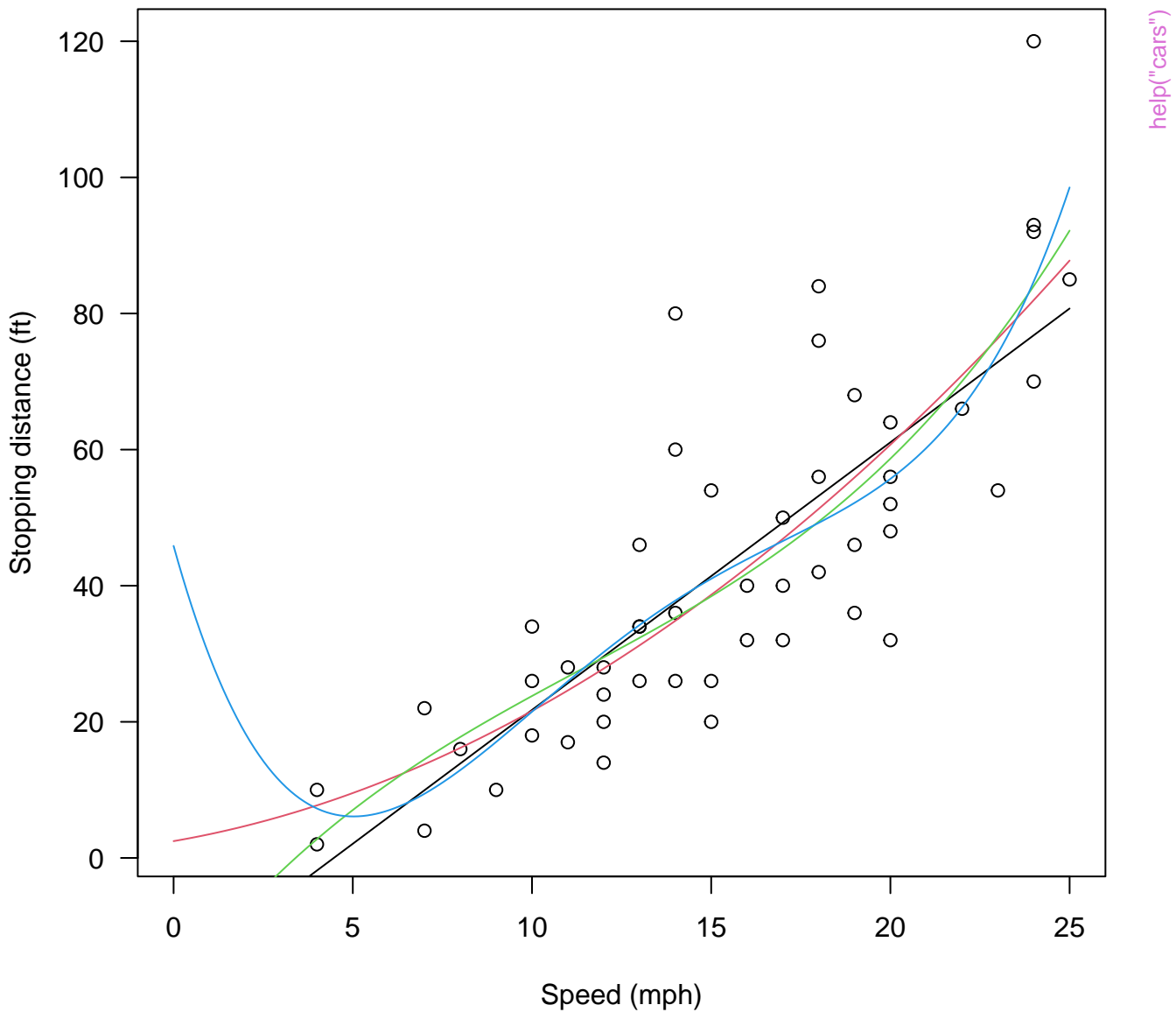


cars data (logarithmic scales)

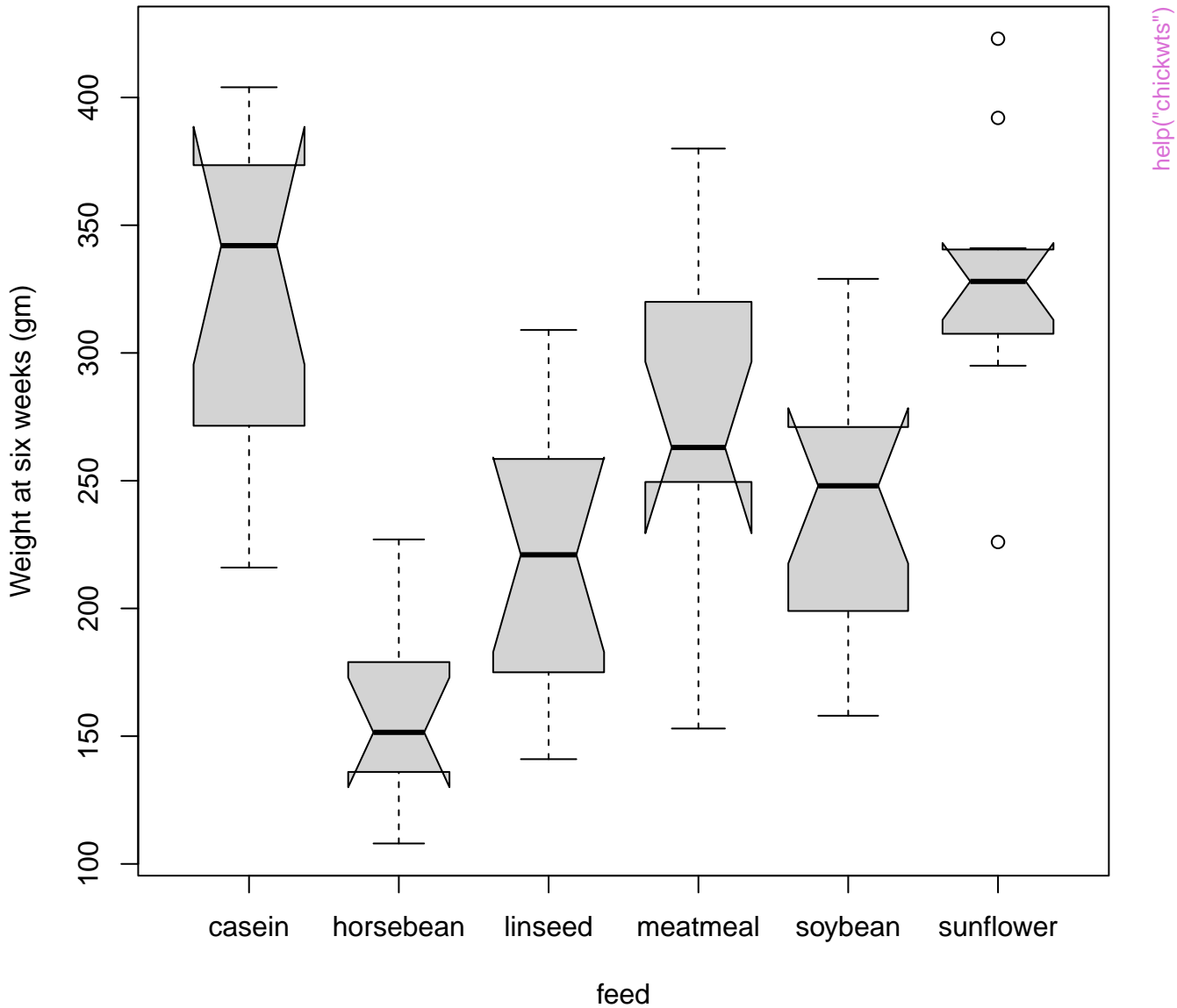


$$\ln(\log(\text{dist}) \sim \log(\text{speed}))$$



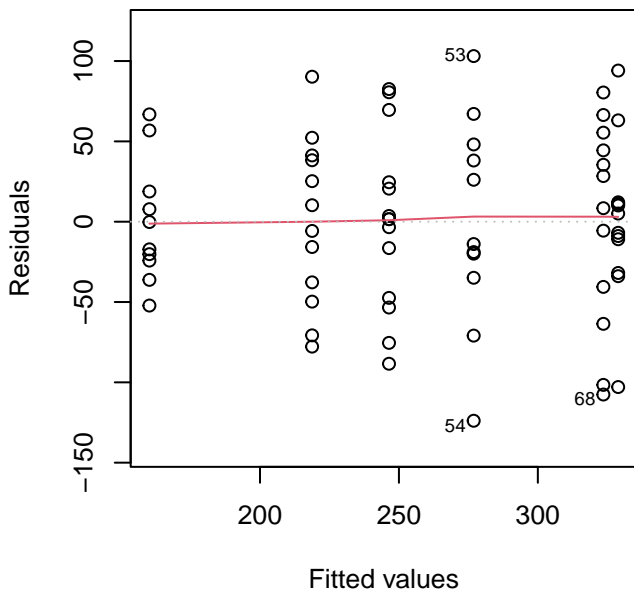


chickwt data

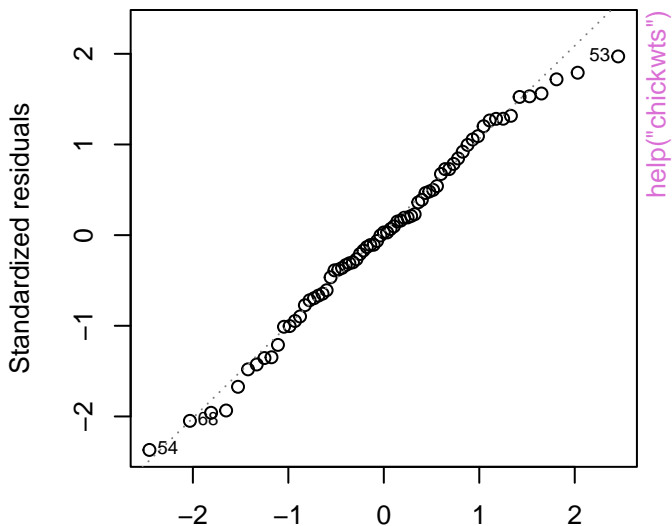


lm(weight ~ feed)

Residuals vs Fitted

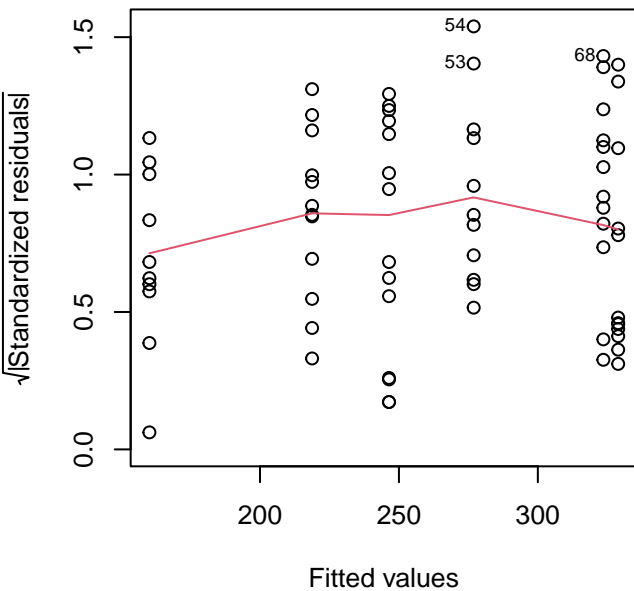


Q-Q Residuals

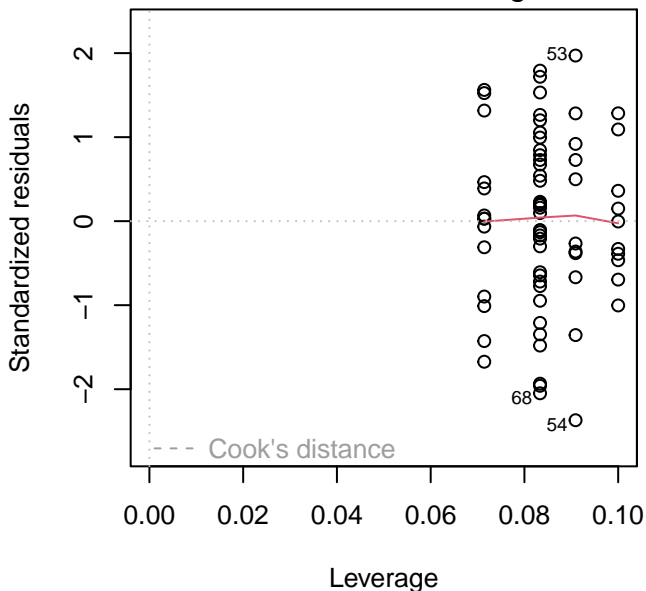


help("chickwts")

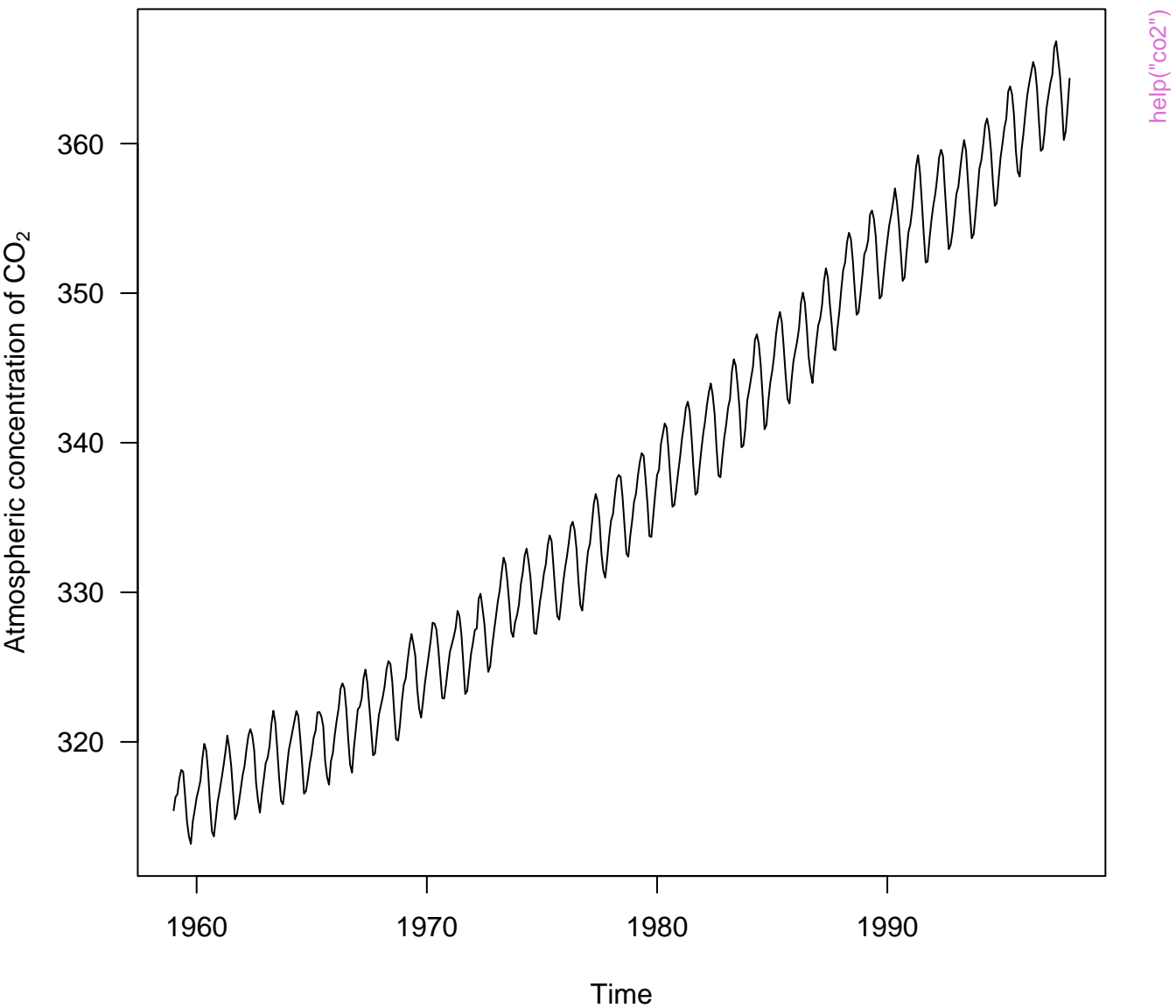
Scale-Location



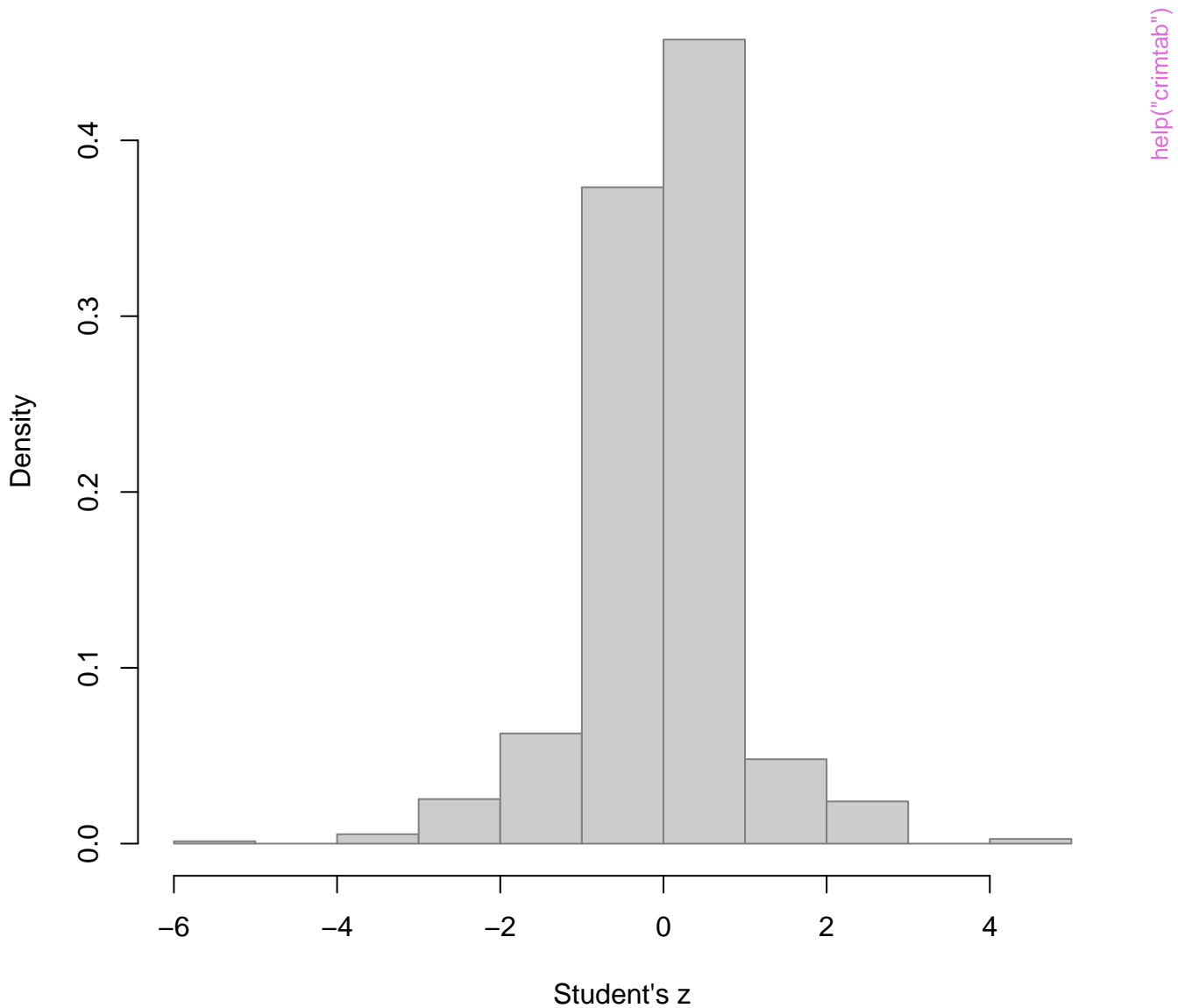
Residuals vs Leverage



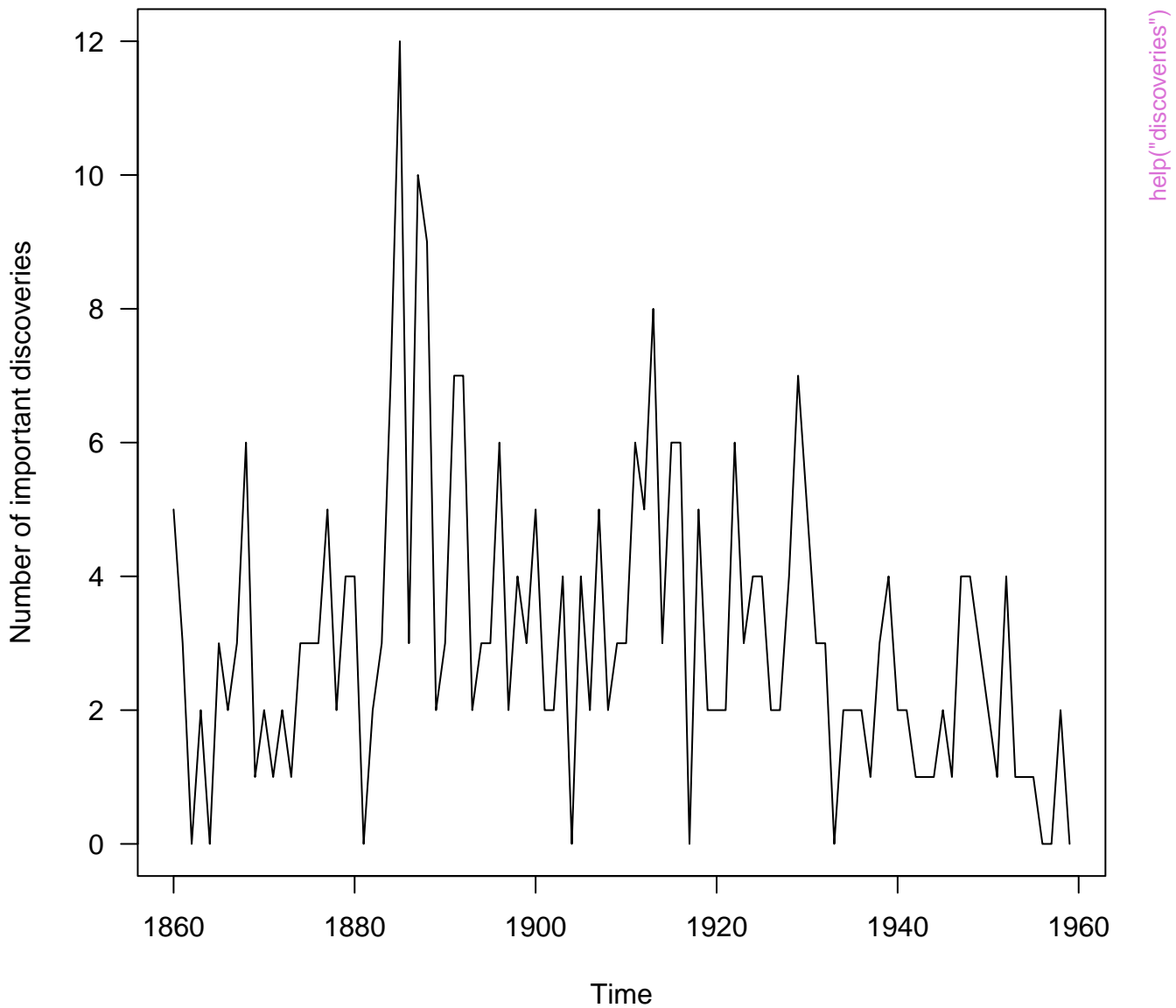
co2 data set



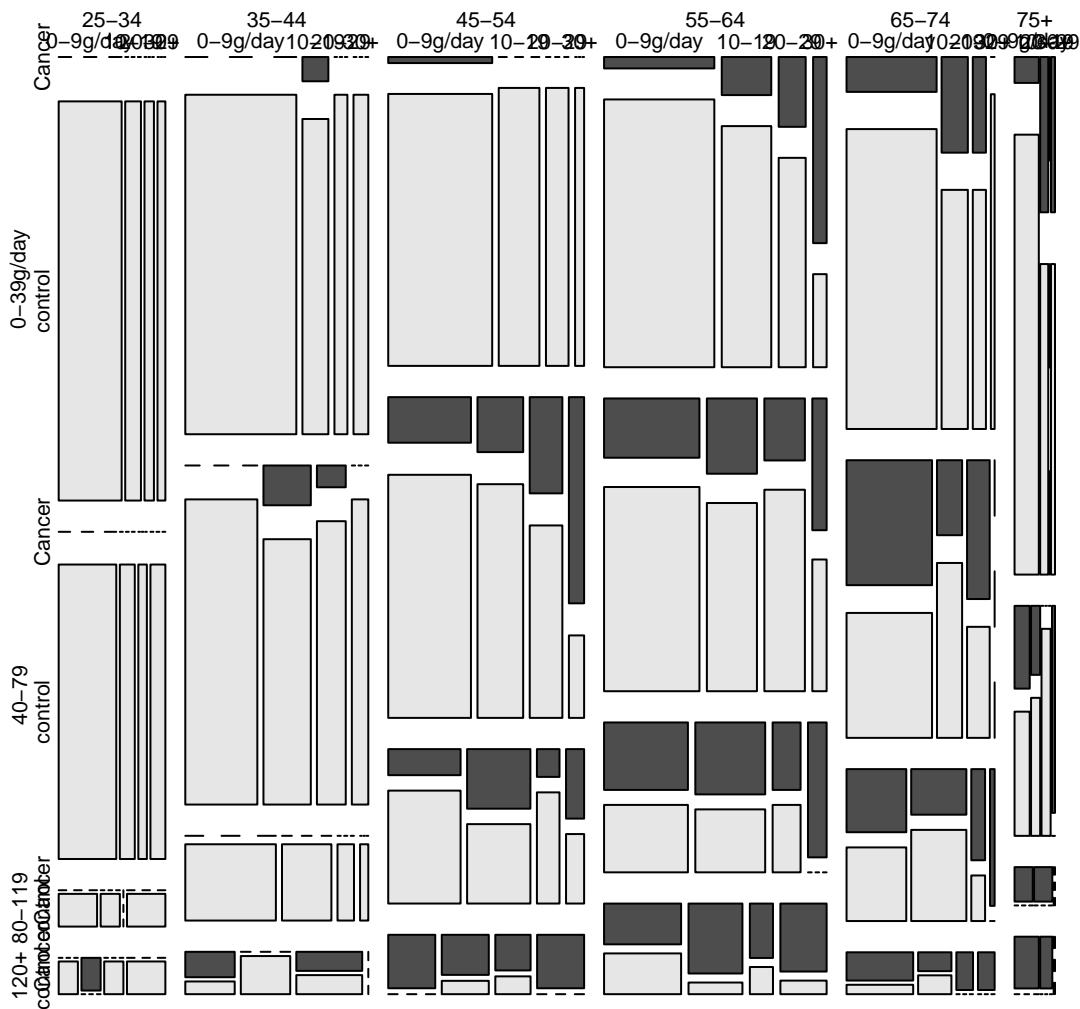
Distribution of Student's z score for 'crimtab' data



discoveries data set

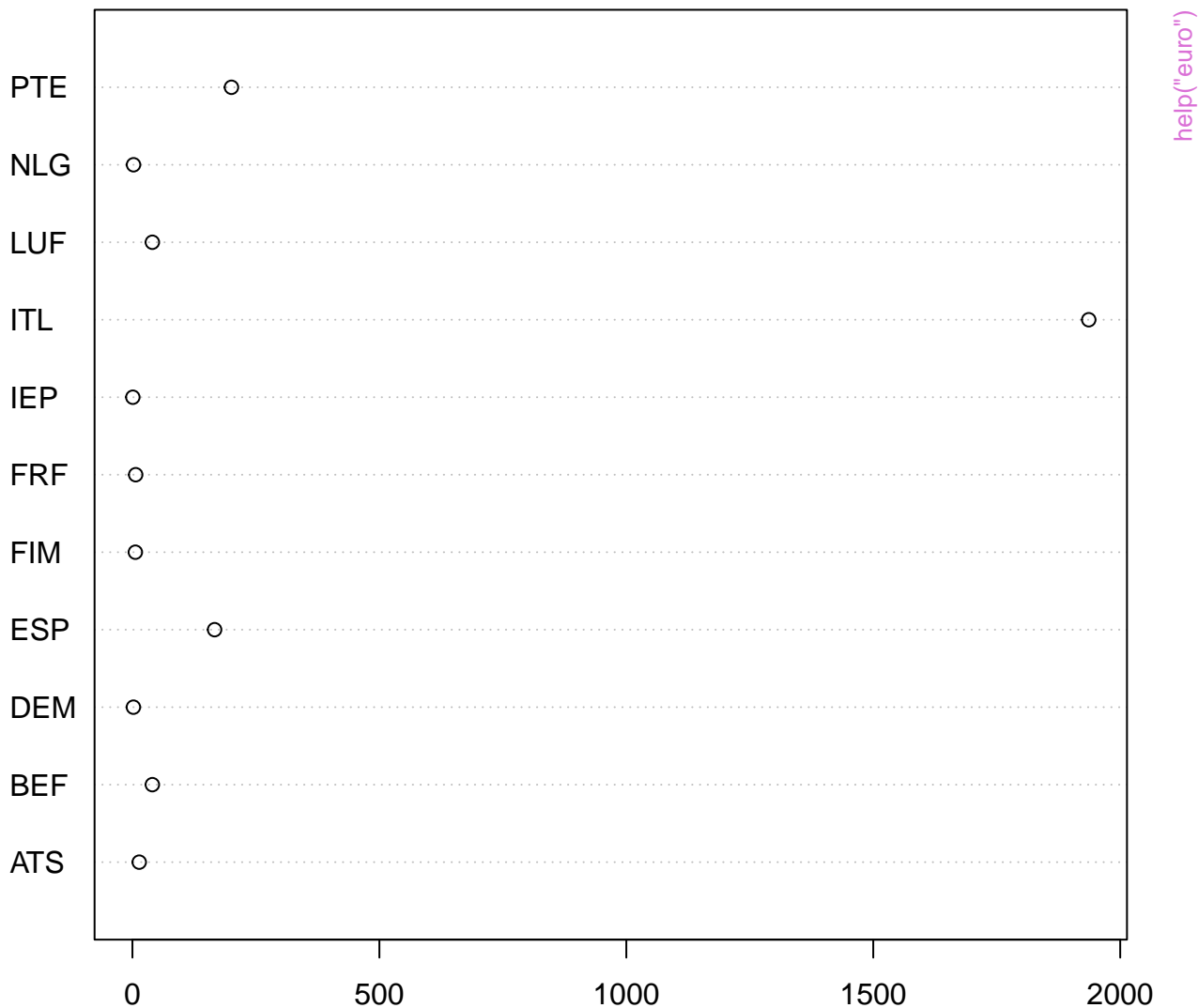


esoph data set

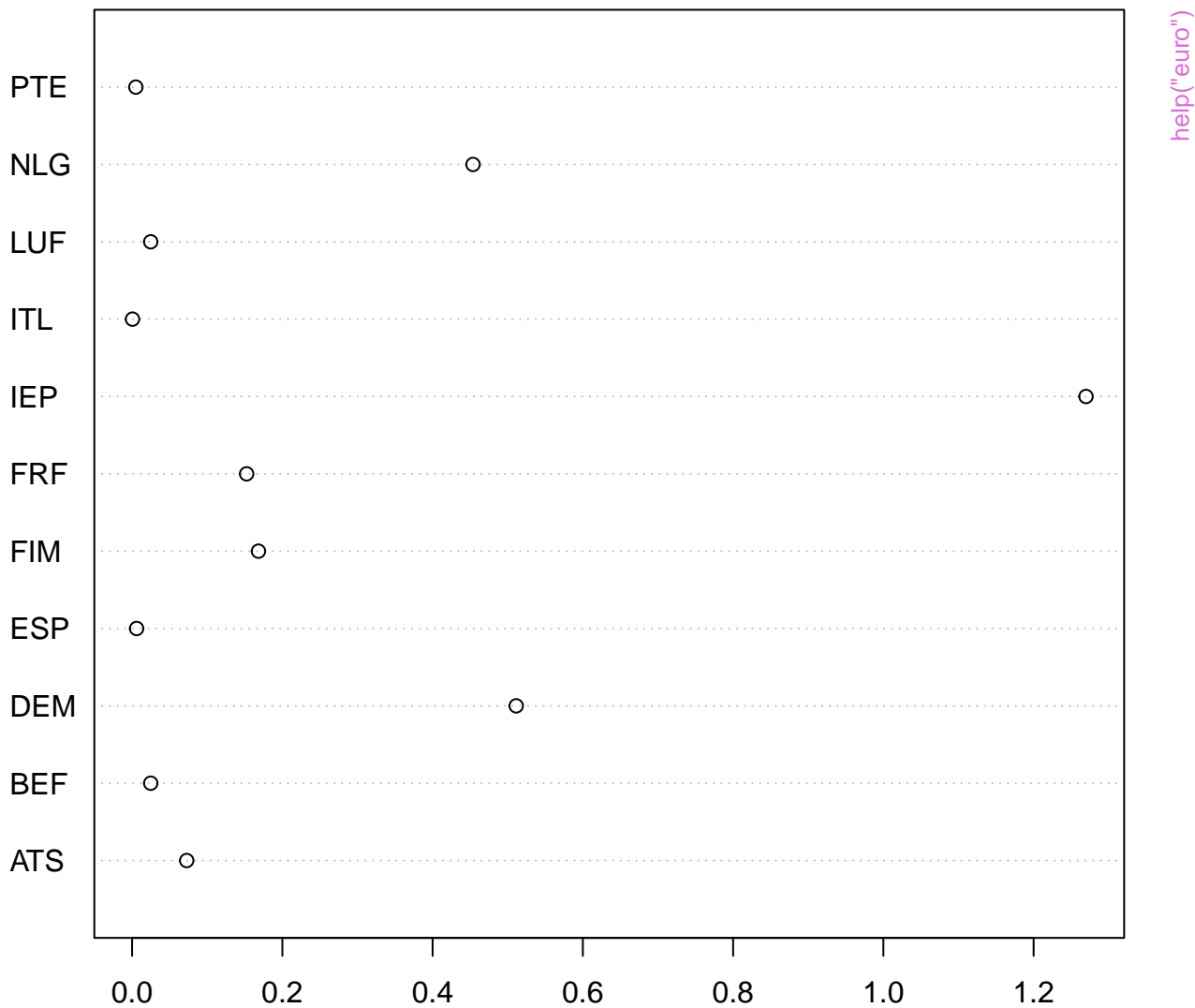


help("esoph")

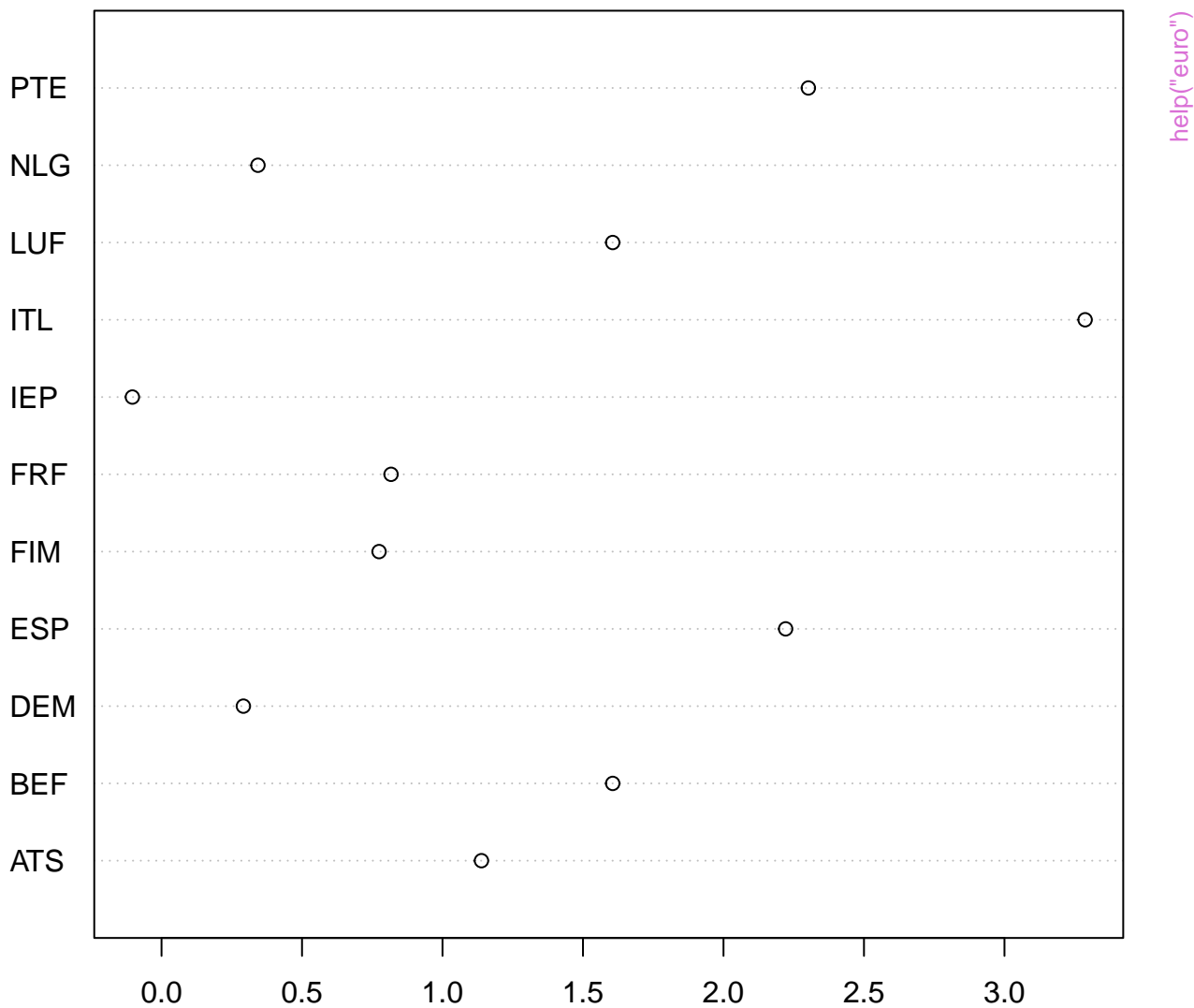
euro data: 1 Euro in currency unit



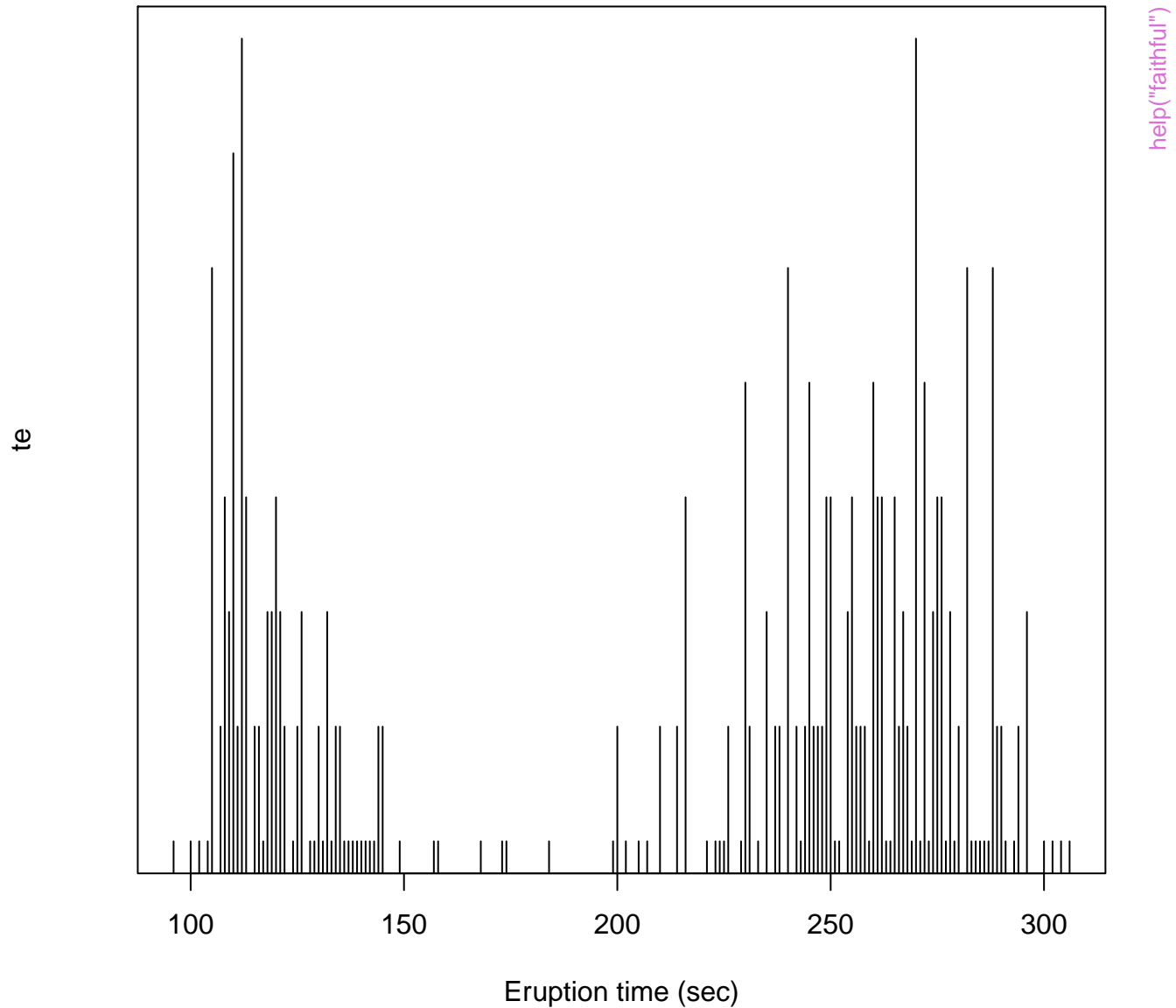
euro data: 1 currency unit in Euros



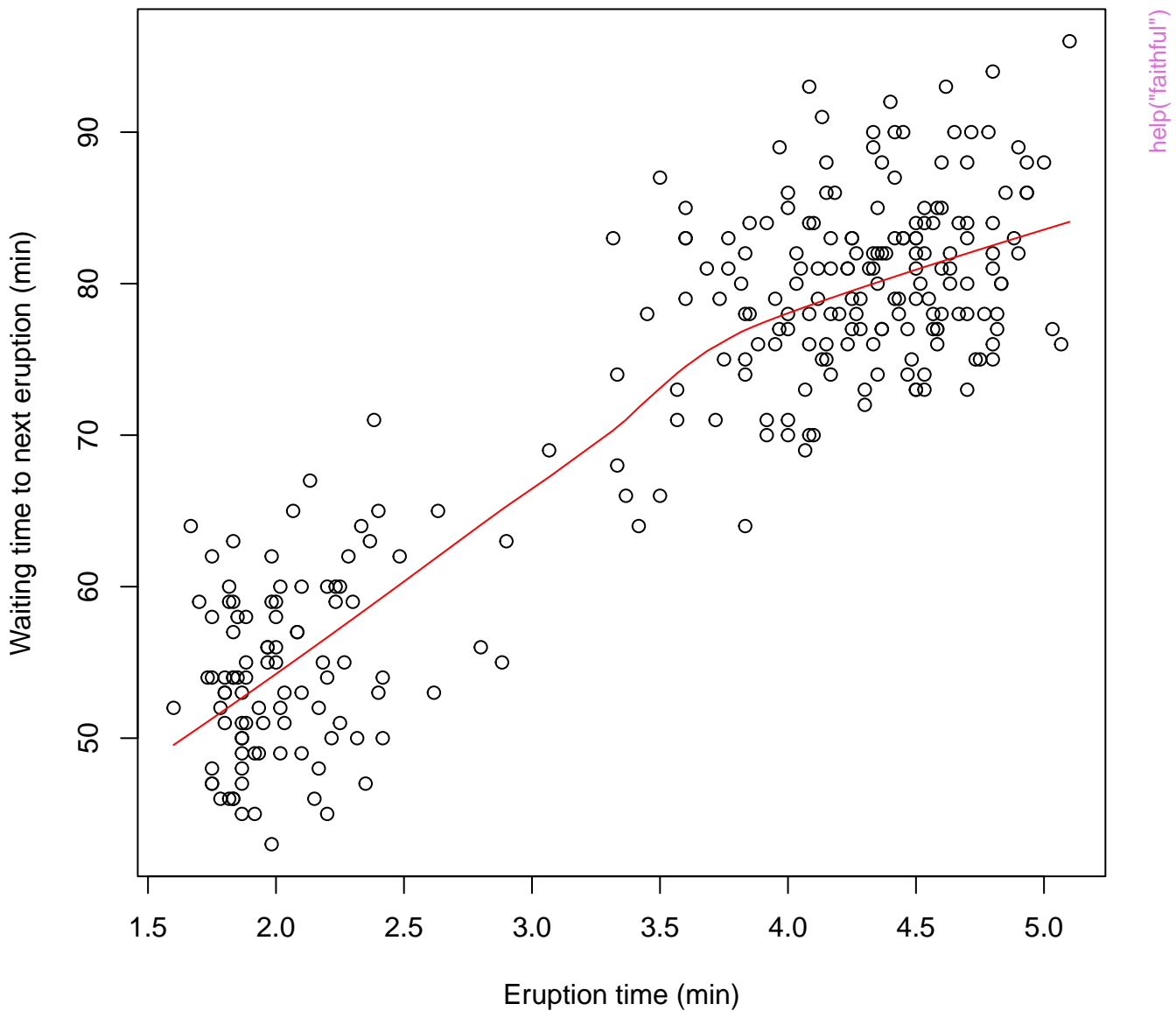
euro data: log₁₀(1 Euro in currency unit)



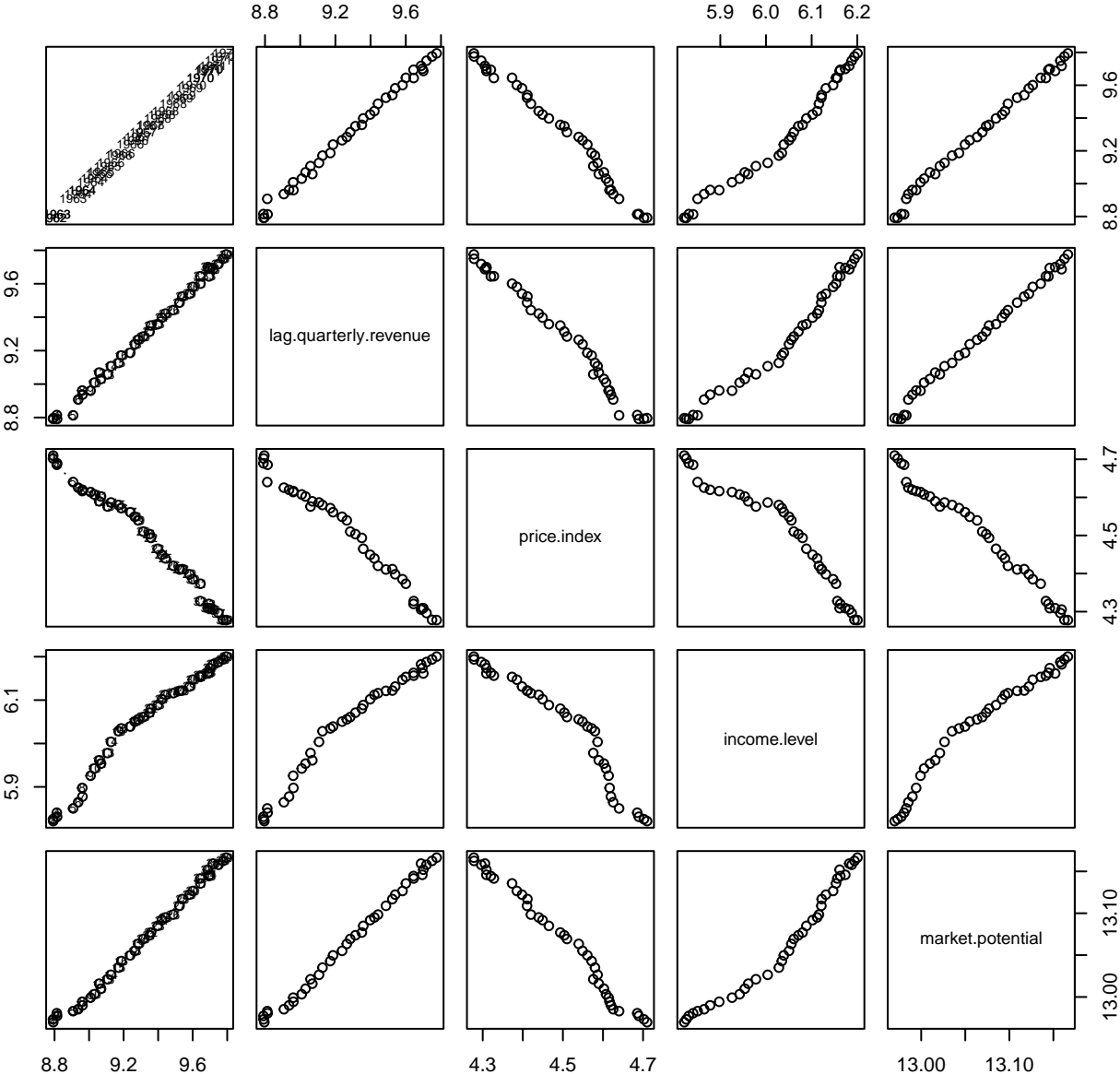
faithful data: Eruptions of Old Faithful



faithful data: Eruptions of Old Faithful

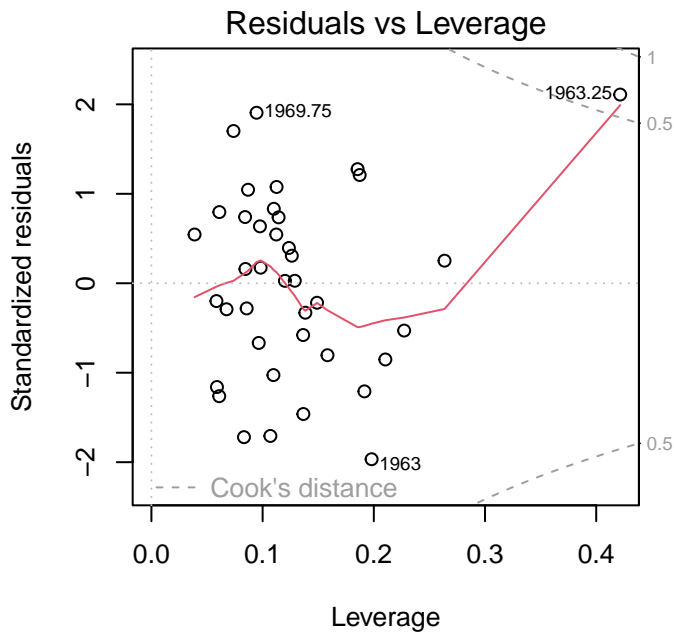
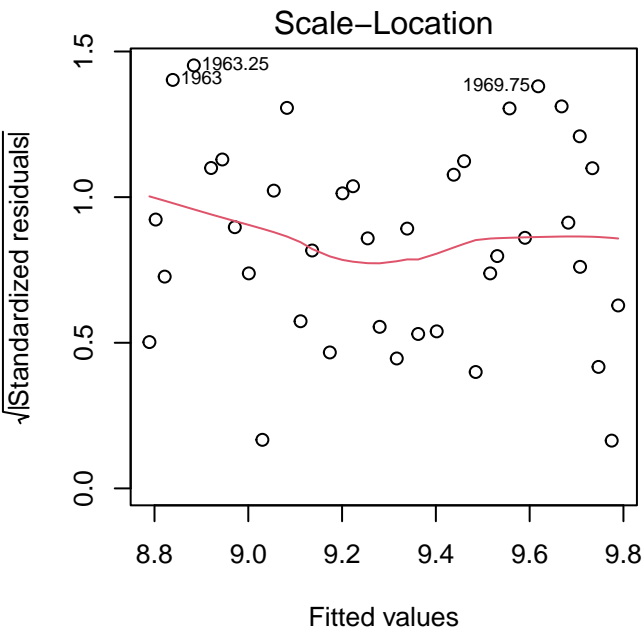
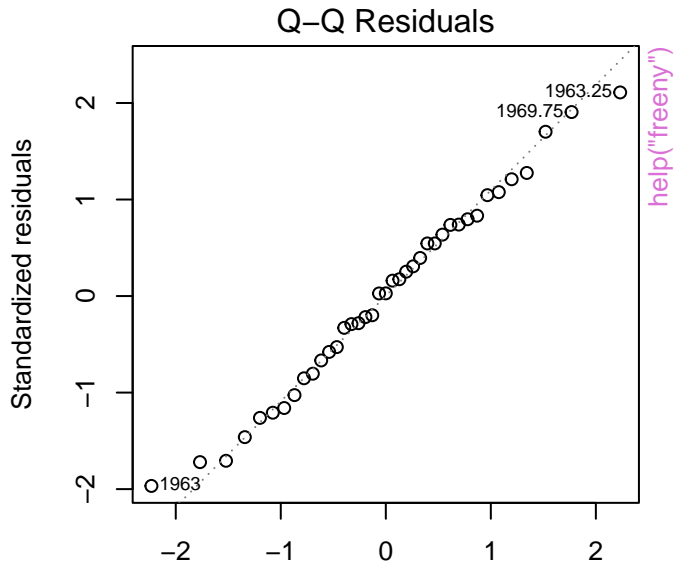
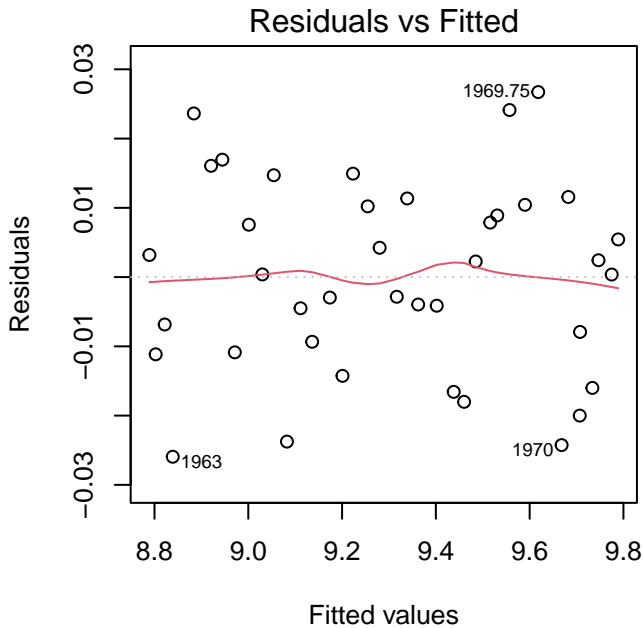


freeny data



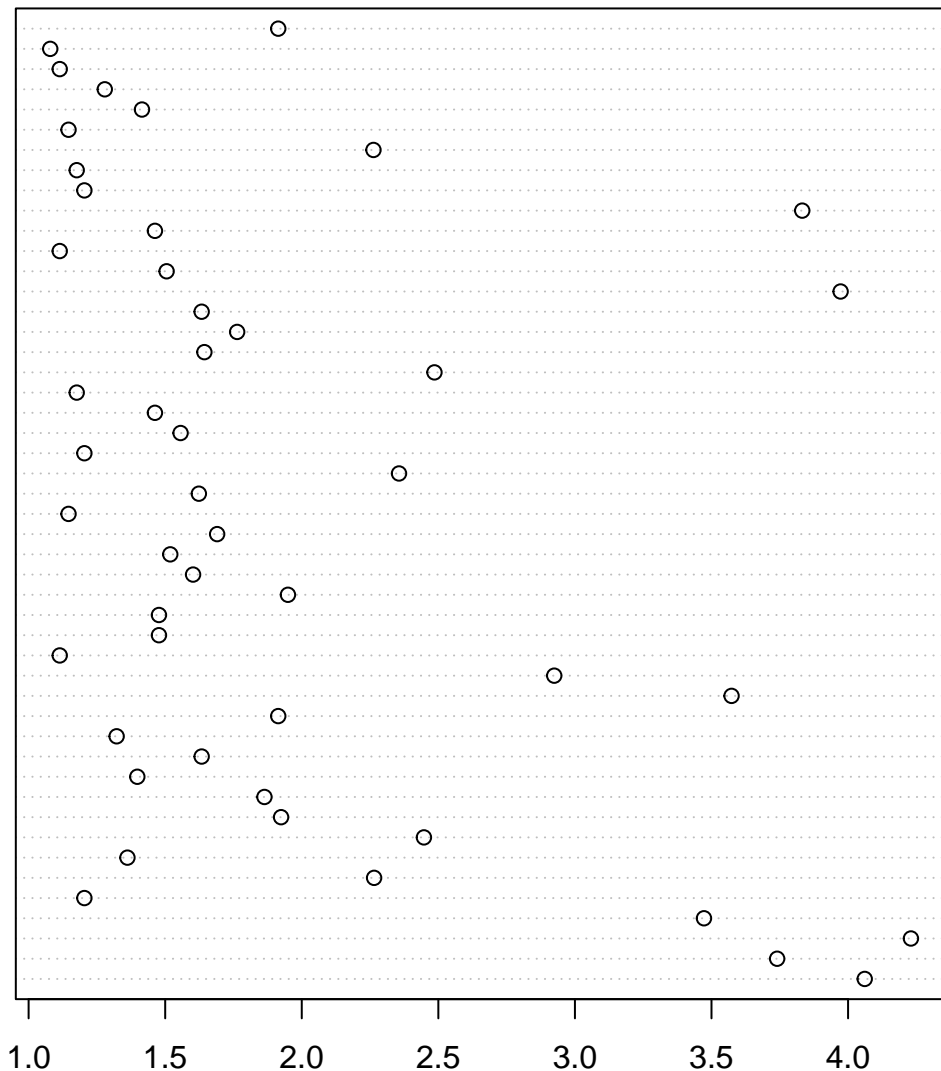
help("freeny")

$\text{Im}(y \sim .)$



islands data: log10(area) (log10(sq. miles))

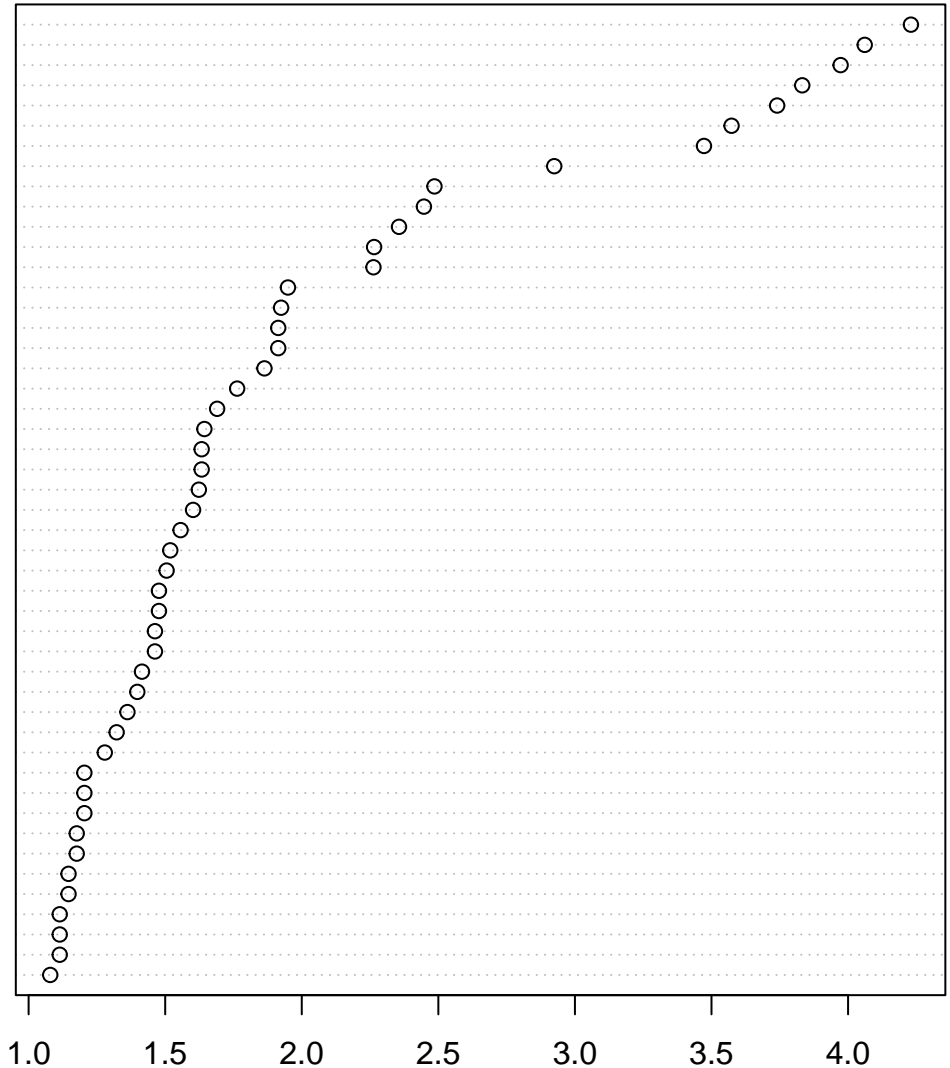
Victoria
 Vancouver
 Timor
 Tierra del Fuego
 Tasmania
 Taiwan
 Sumatra
 Spitsbergen
 Southampton
 South America
 Sakhalin
 Prince of Wales
 Novaya Zemlya
 North America
 Newfoundland
 New Zealand (S)
 New Zealand (N)
 New Guinea
 New Britain
 Moluccas
 Mindanao
 Melville
 Madagascar
 Luzon
 Kyushu
 Java
 Ireland
 Iceland
 Honshu
 Hokkaido
 Hispaniola
 Hainan
 Greenland
 Europe
 Ellesmere
 Devon
 Cuba
 Ceylon
 Celebes
 Britain
 Borneo
 Banks
 Baffin
 Axel Heiberg
 Australia
 Asia
 Antarctica
 Africa



help("islands")

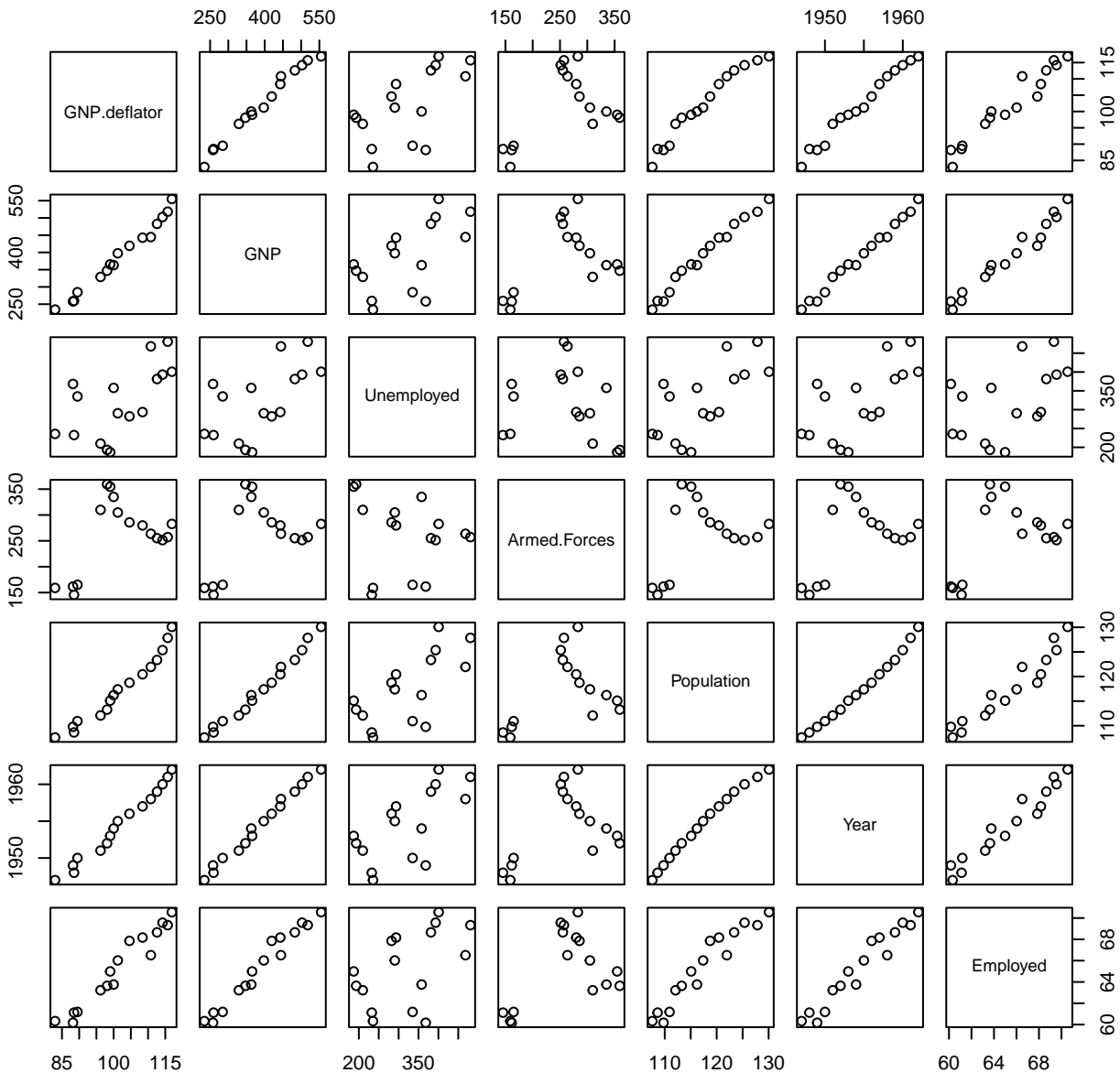
islands data: log10(area) (log10(sq. miles))

Asia
Africa
North America
South America
Antarctica
Europe
Australia
Greenland
New Guinea
Borneo
Madagascar
Baffin
Sumatra
Honshu
Britain
Victoria
Ellesmere
Celebes
New Zealand (S)
Java
New Zealand (N)
Newfoundland
Cuba
Luzon
Iceland
Mindanao
Ireland
Novaya Zemlya
Hokkaido
Hispaniola
Sakhalin
Moluccas
Tasmania
Celon
Banks
Devon
Tierra del Fuego
Southampton
Melville
Axel Heiberg
Spitsbergen
New Britain
Taiwan
Kyushu
Timor
Prince of Wales
Hainan
Vancouver



help("islands")

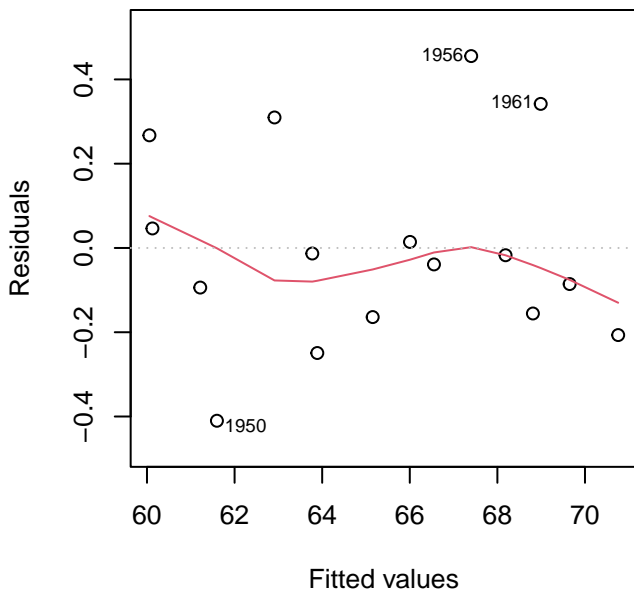
longley data



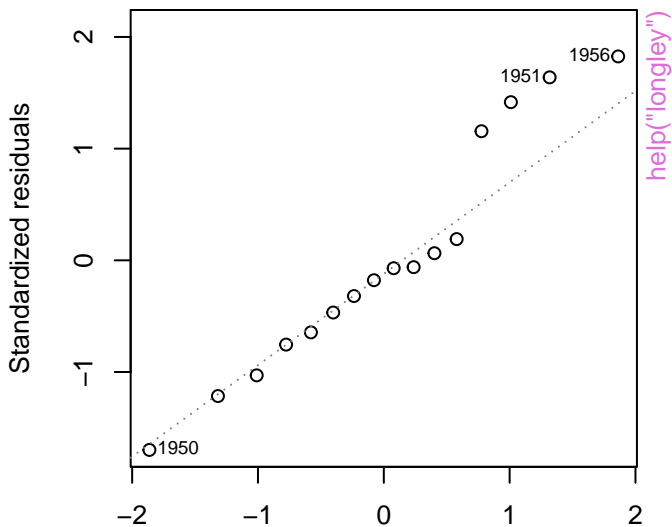
help("longley")

lm(Employed ~ .)

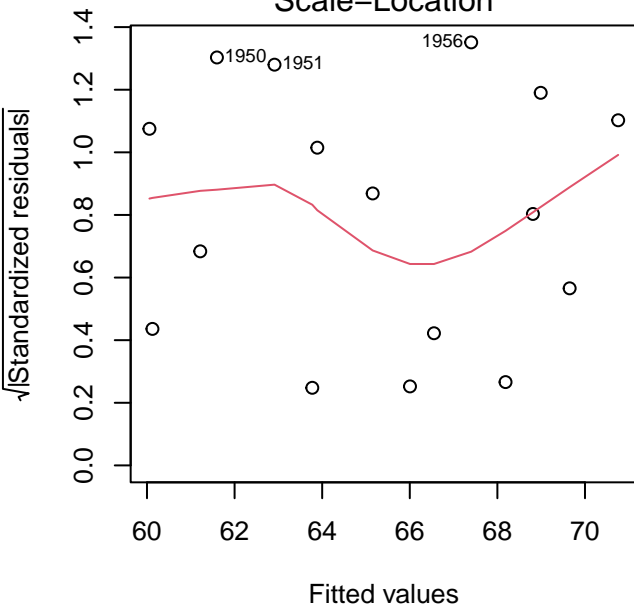
Residuals vs Fitted



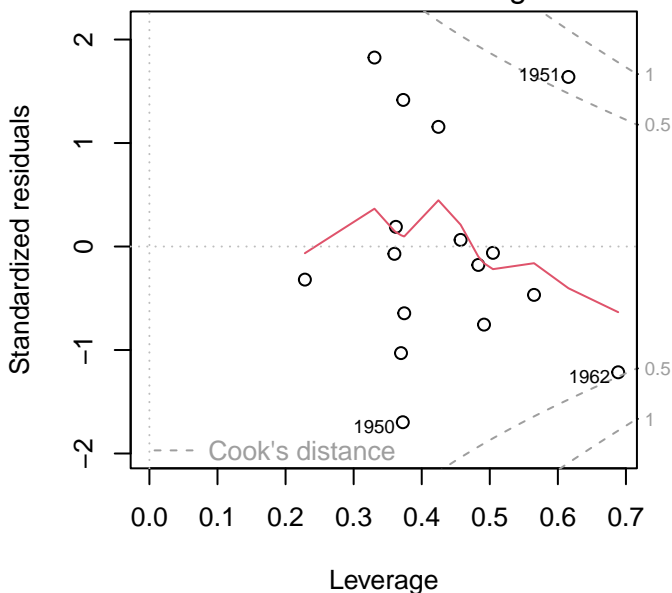
Q-Q Residuals



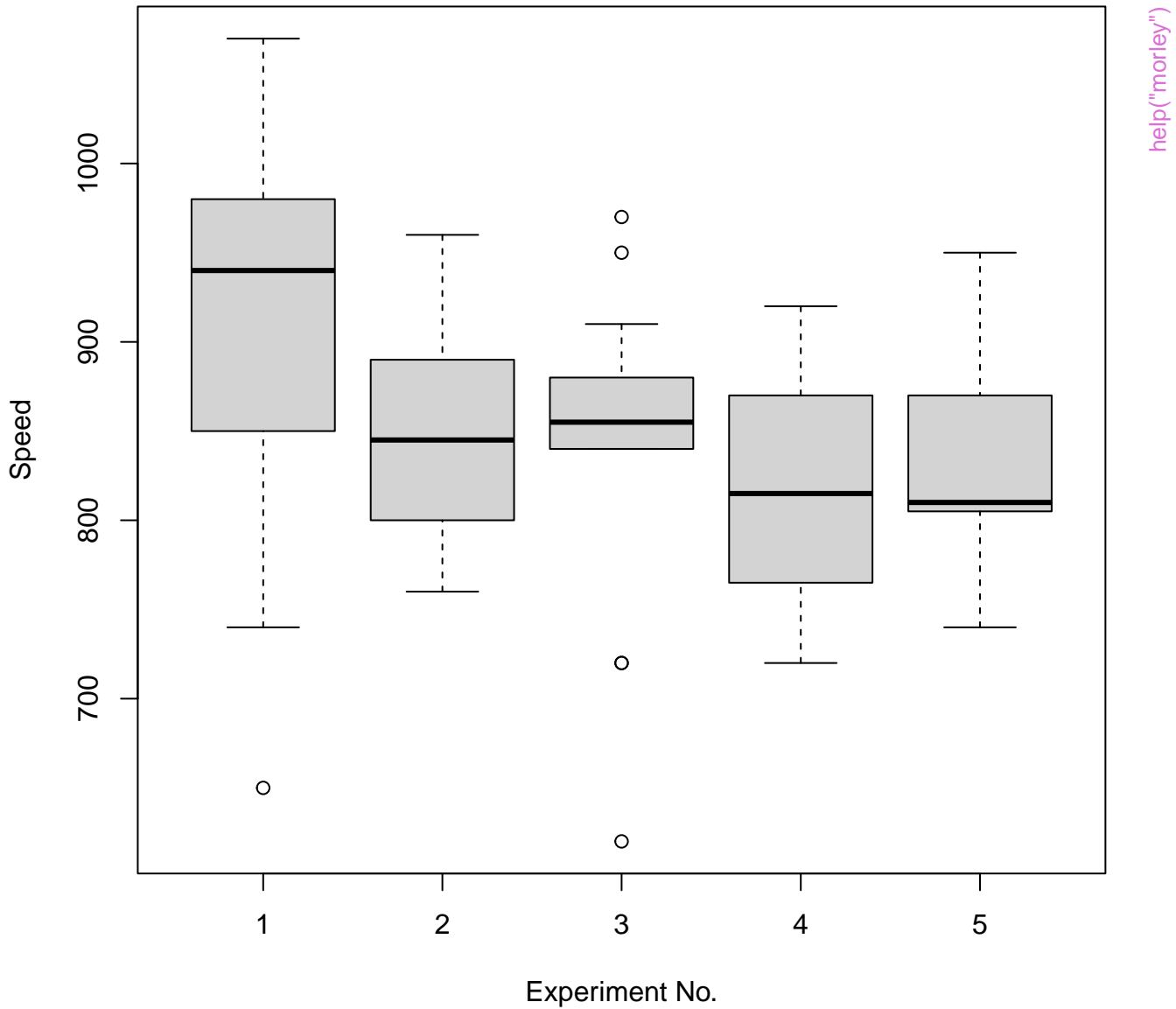
Scale-Location



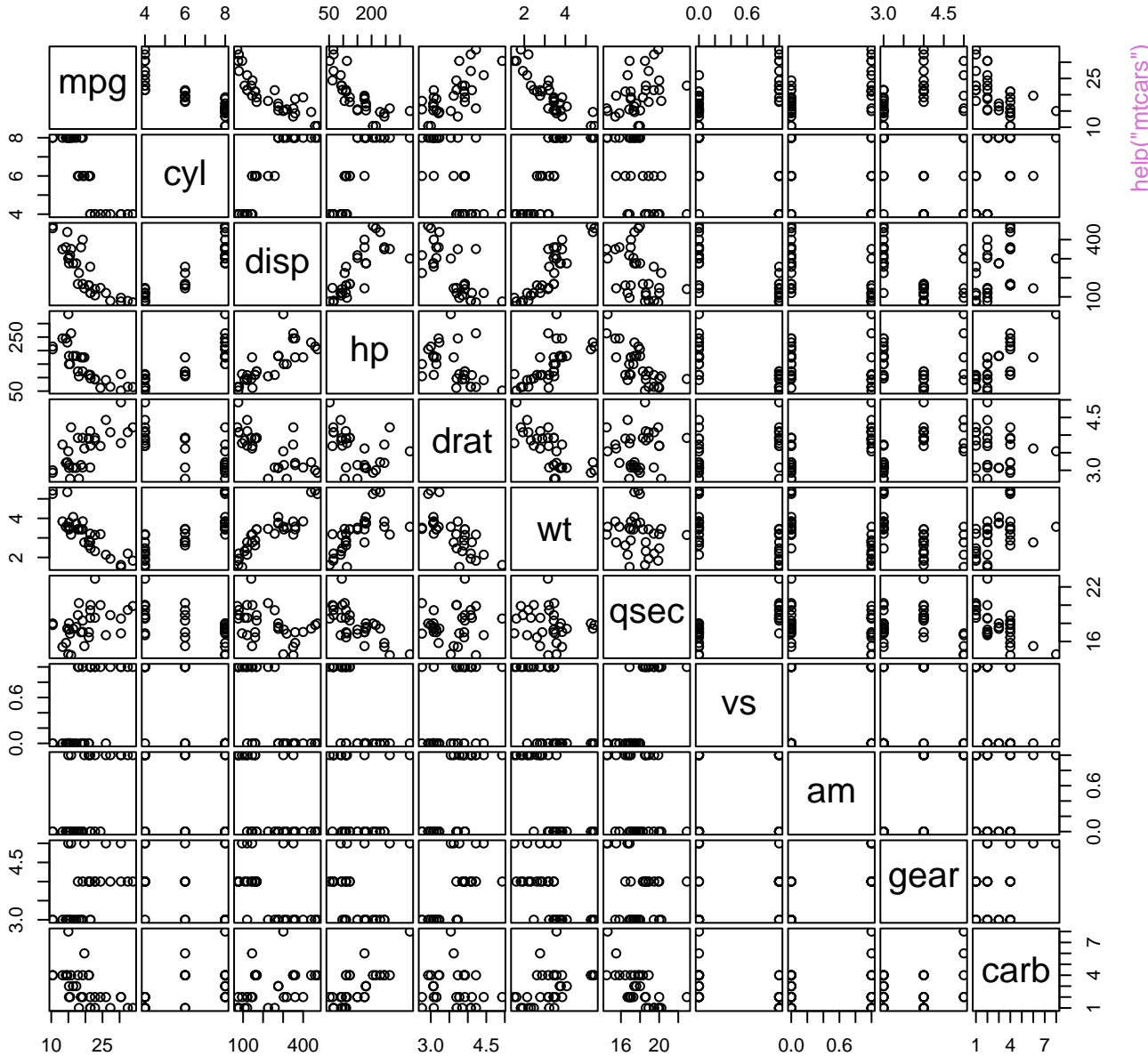
Residuals vs Leverage



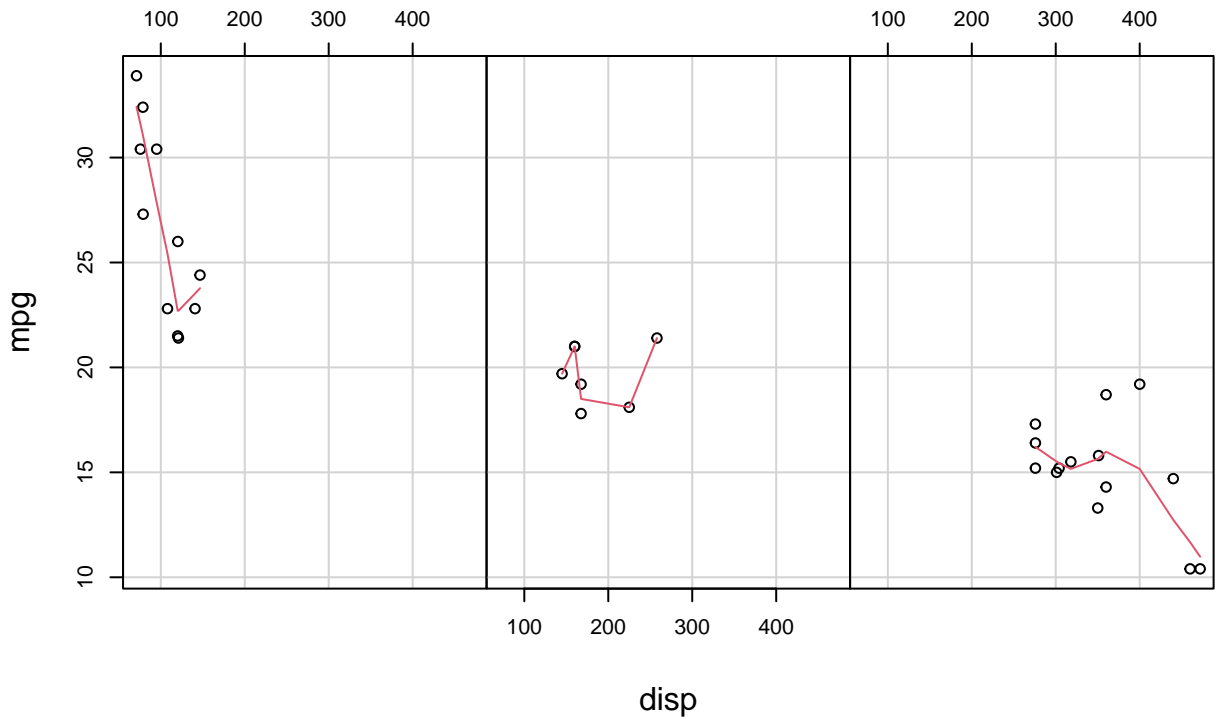
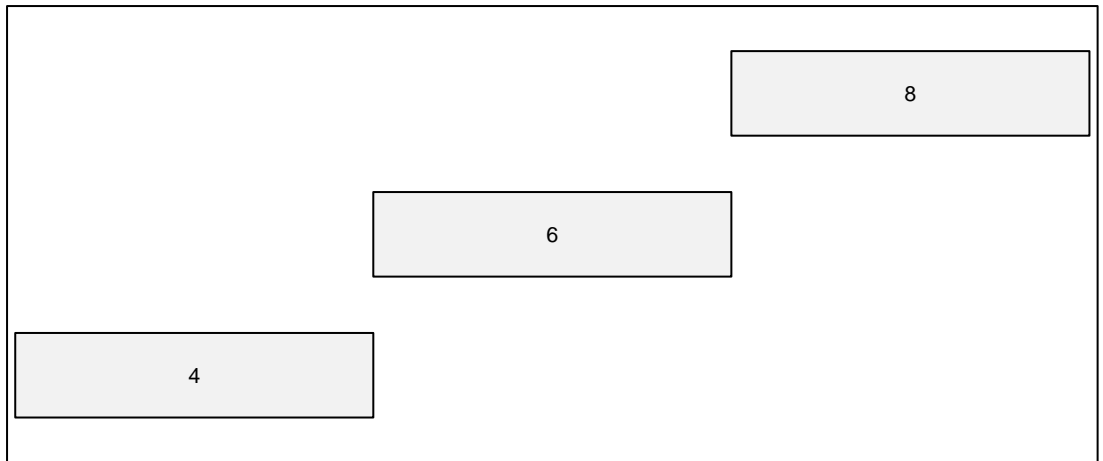
Speed of Light Data



mtcars data

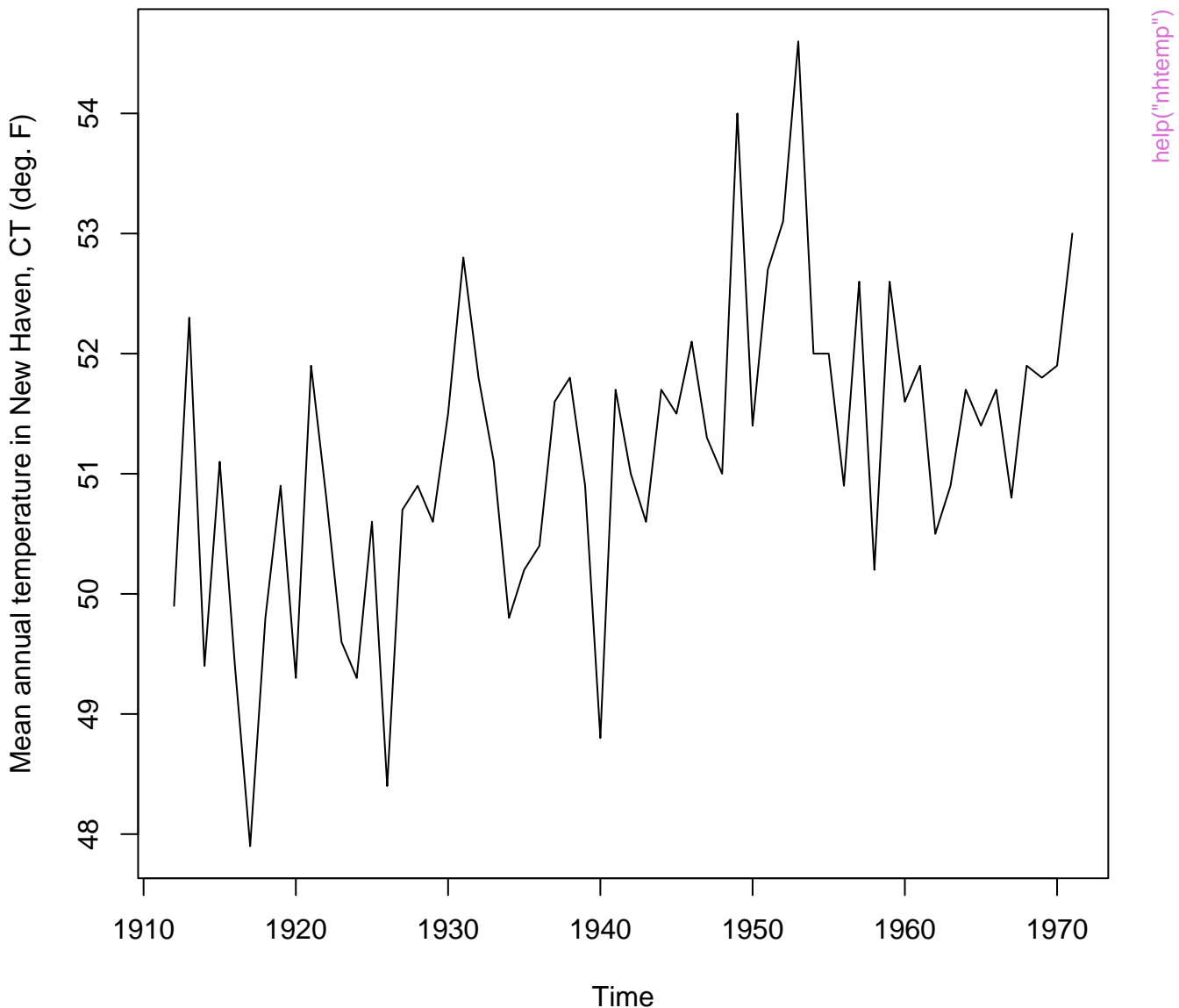


Given : as.factor(cyl)

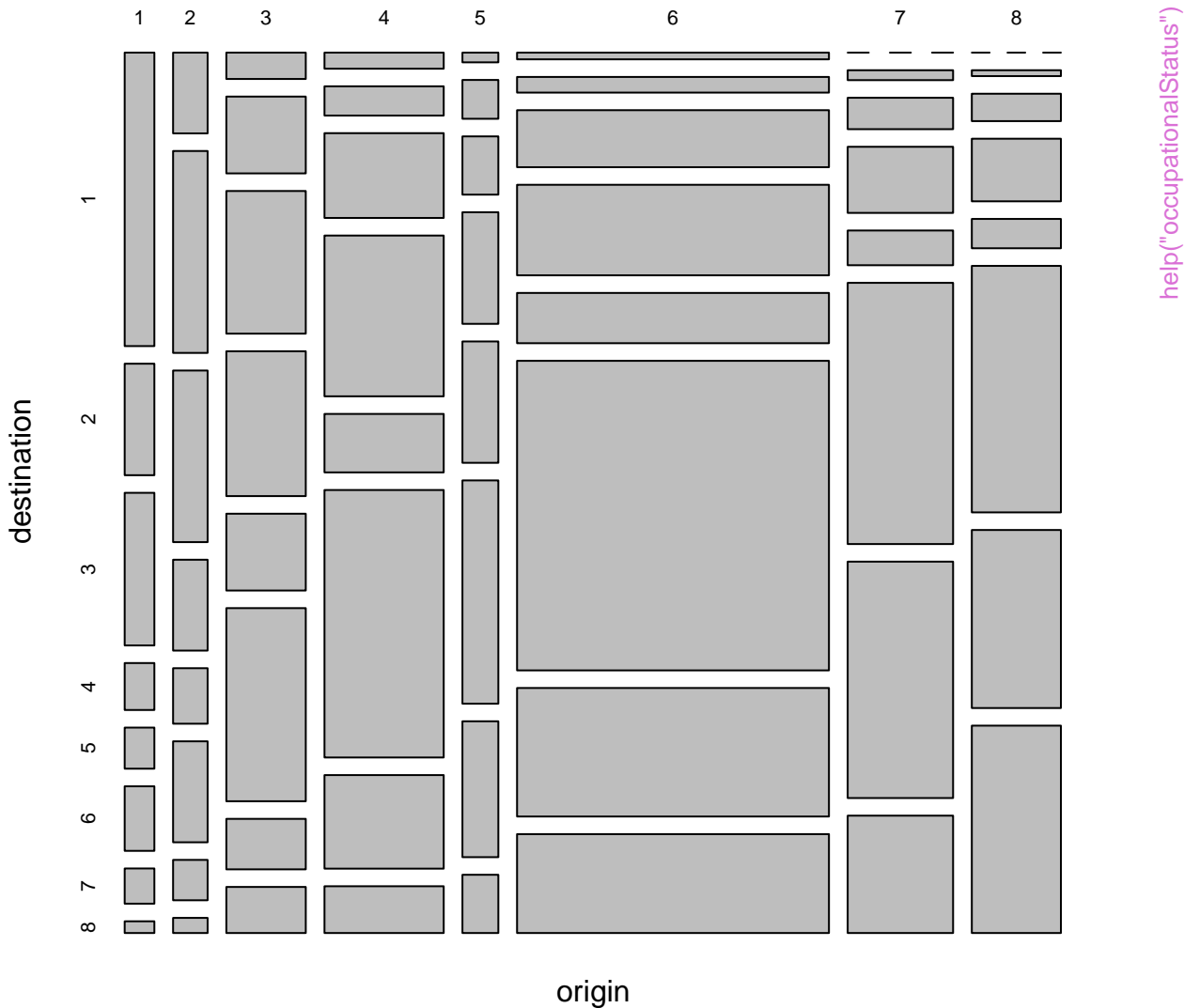


help("mtcars")

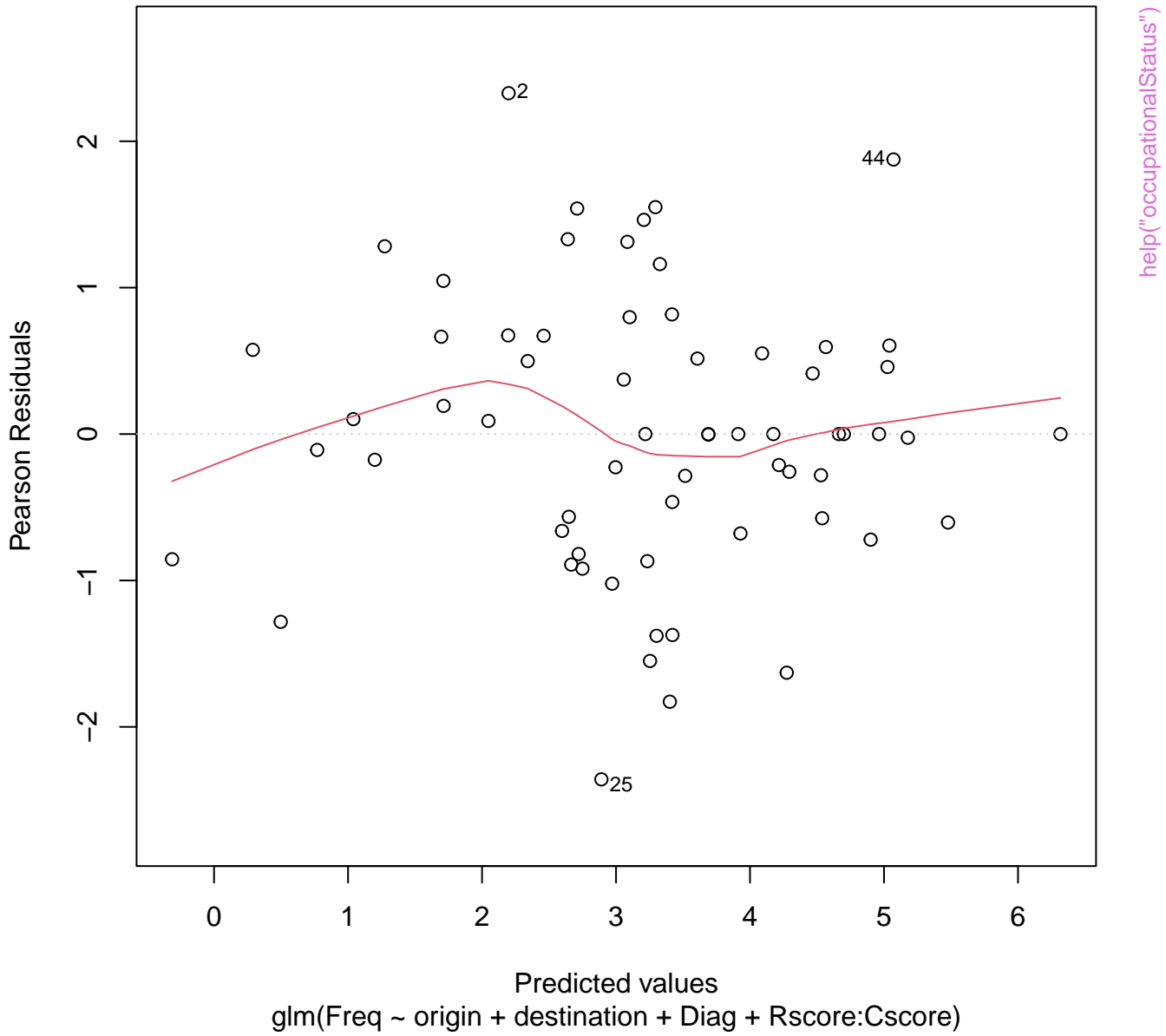
nhtemp data



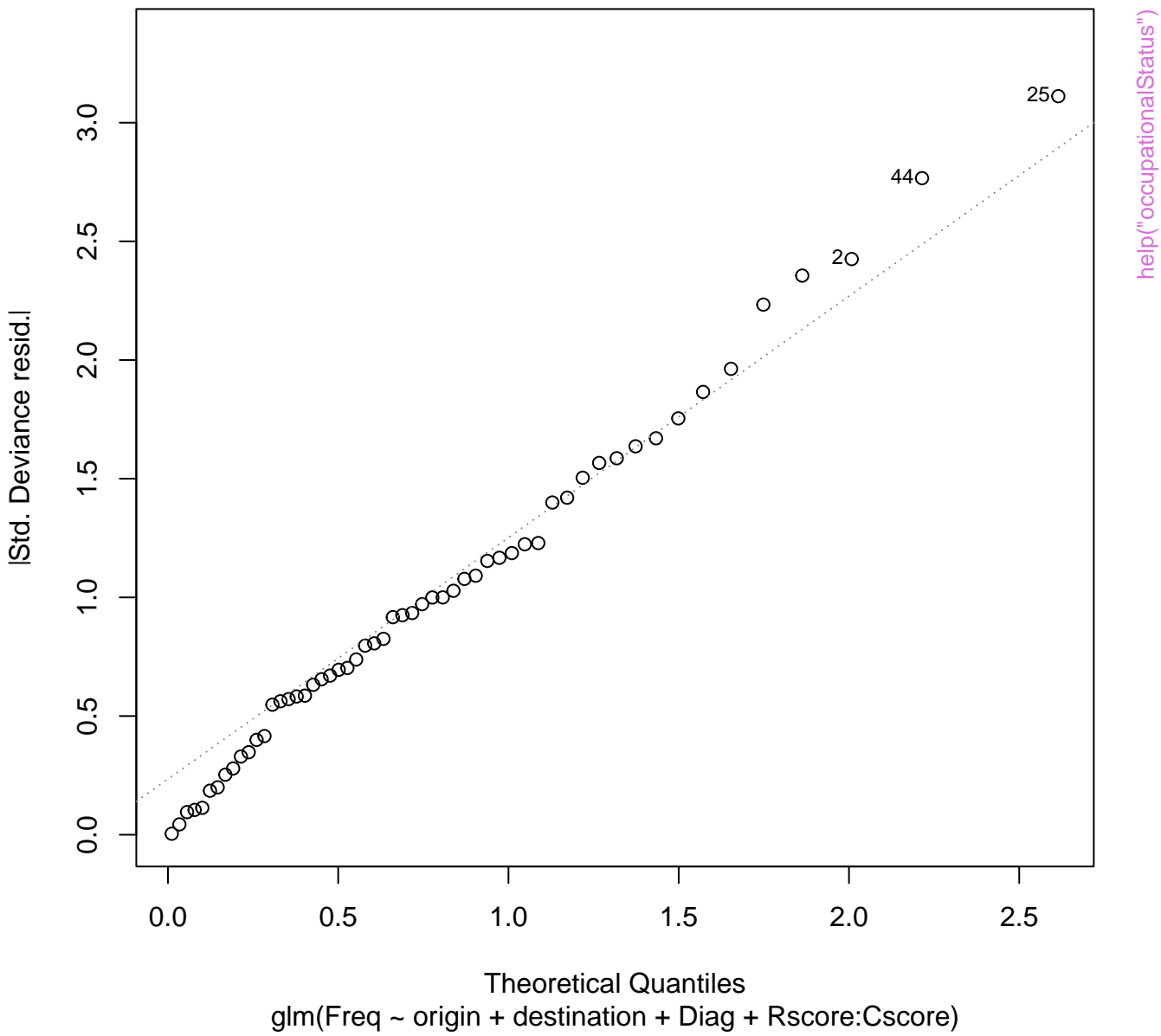
occupationalStatus

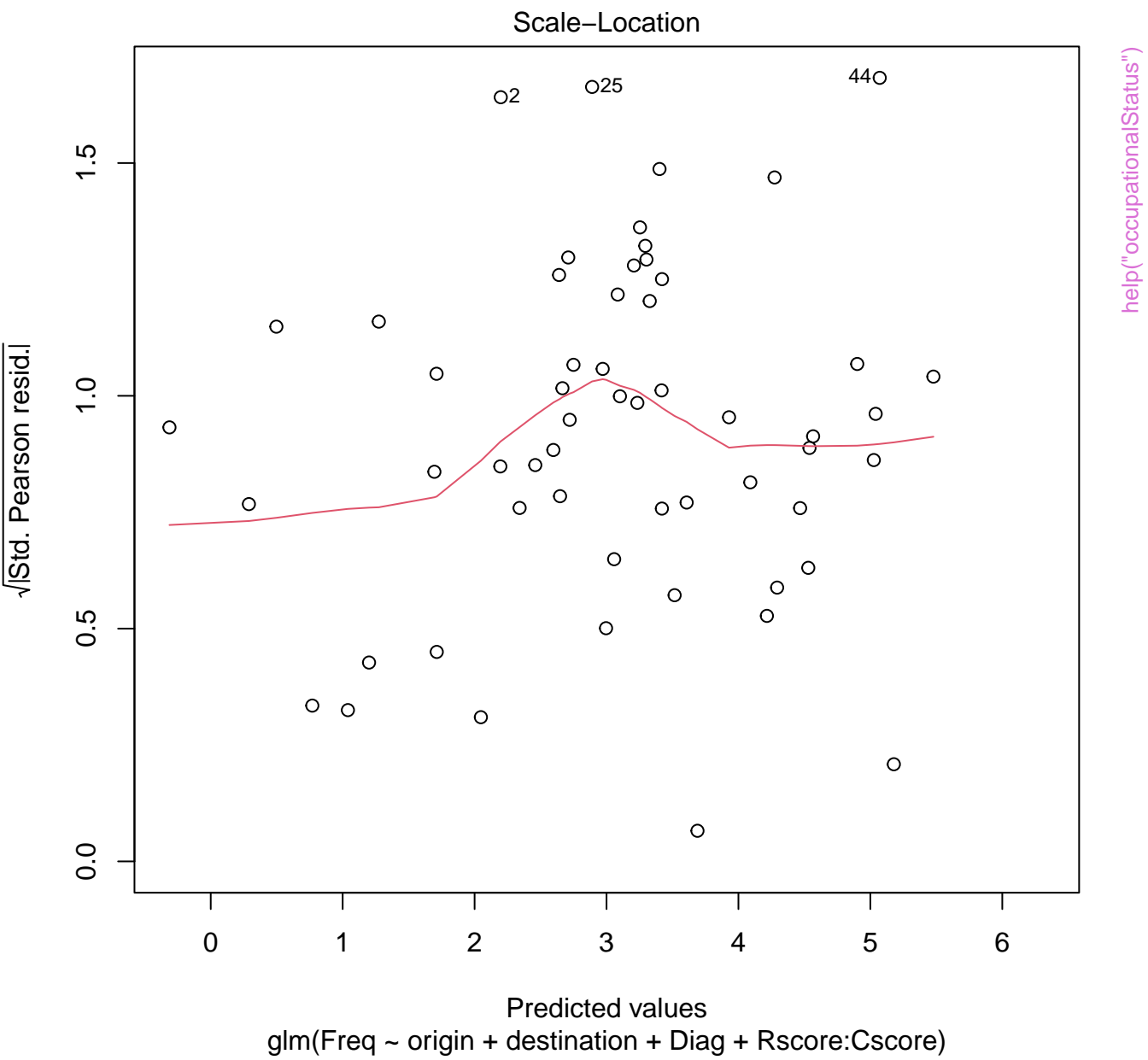


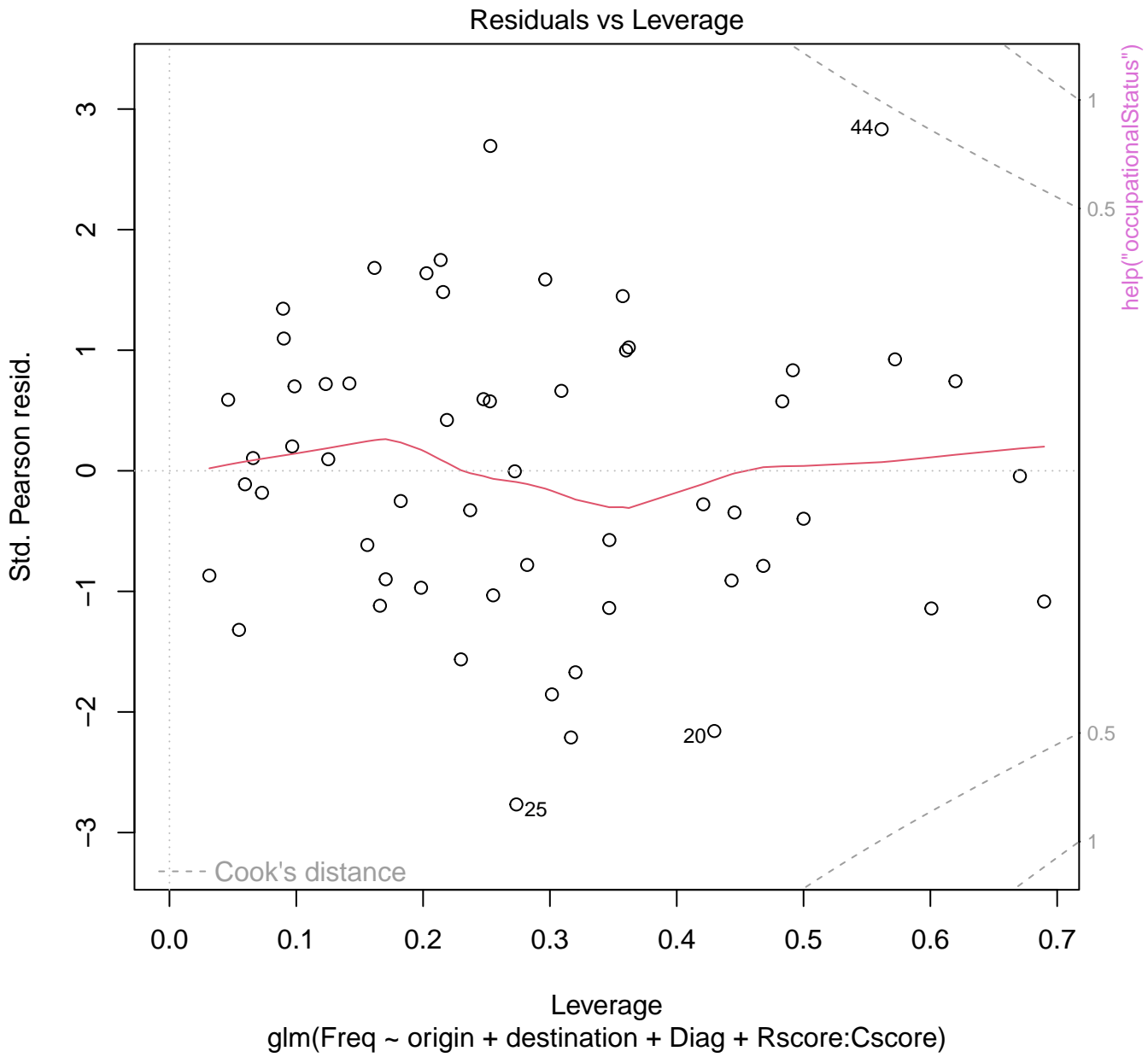
Residuals vs Fitted



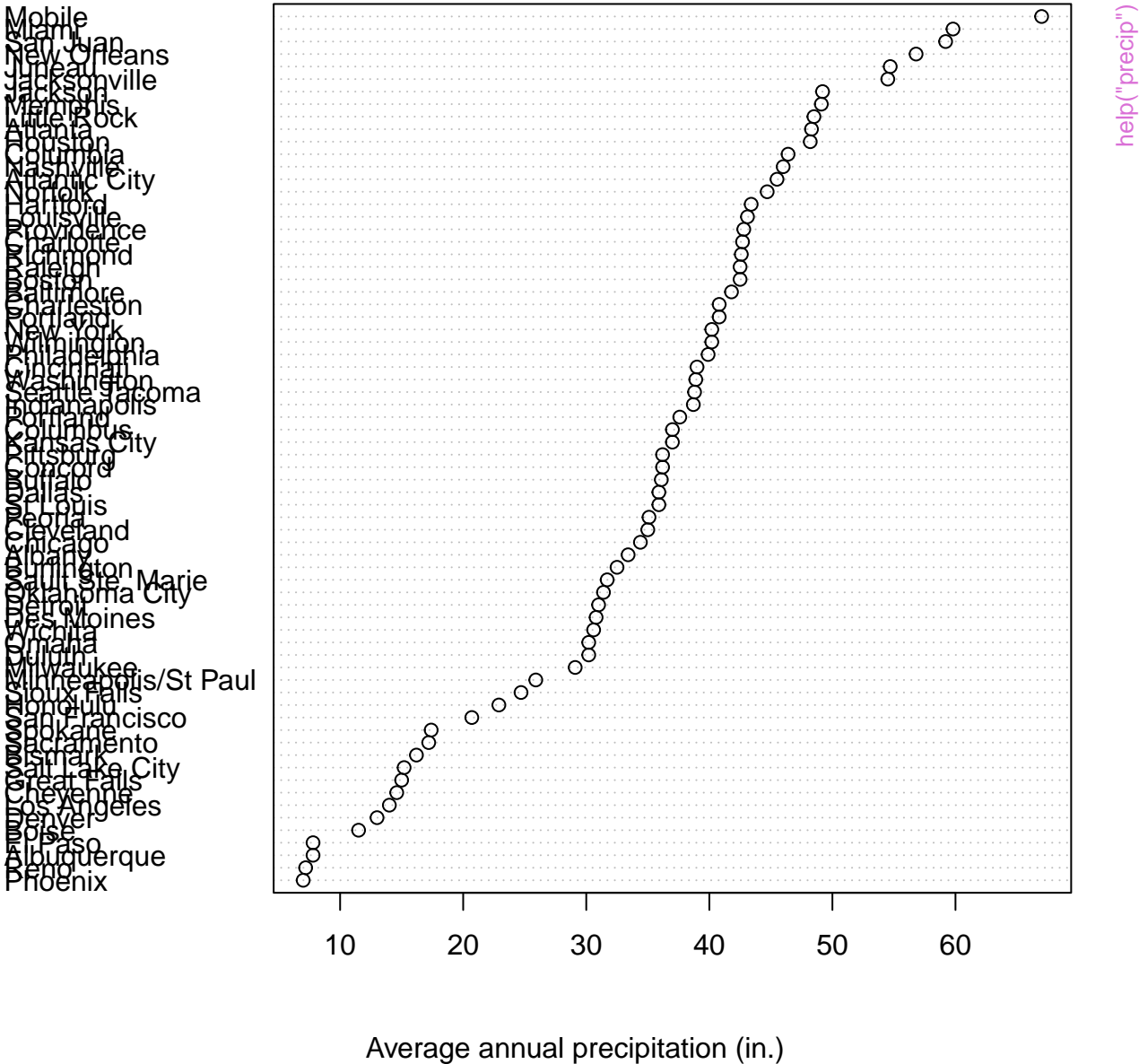
Q-Q Residuals



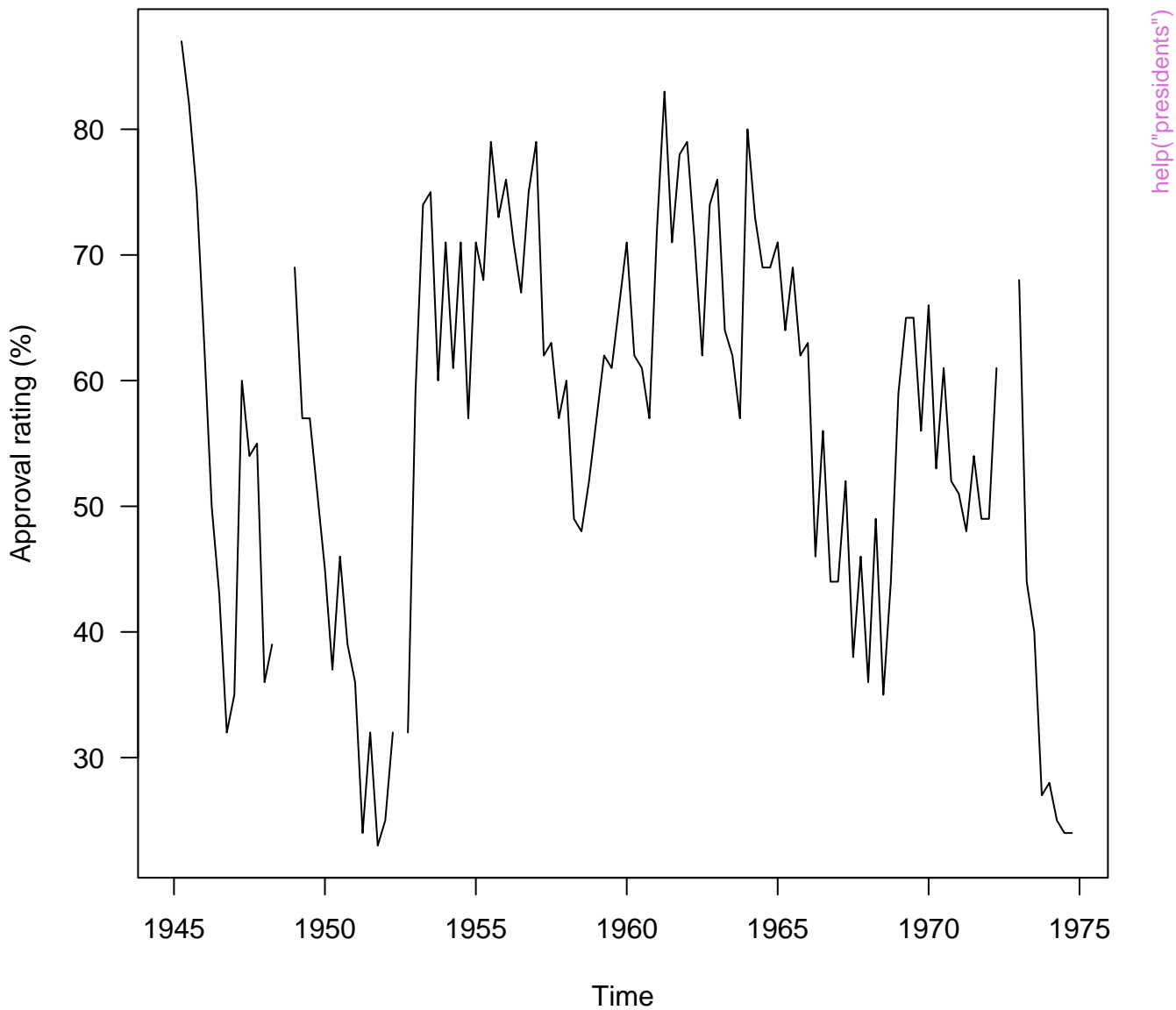




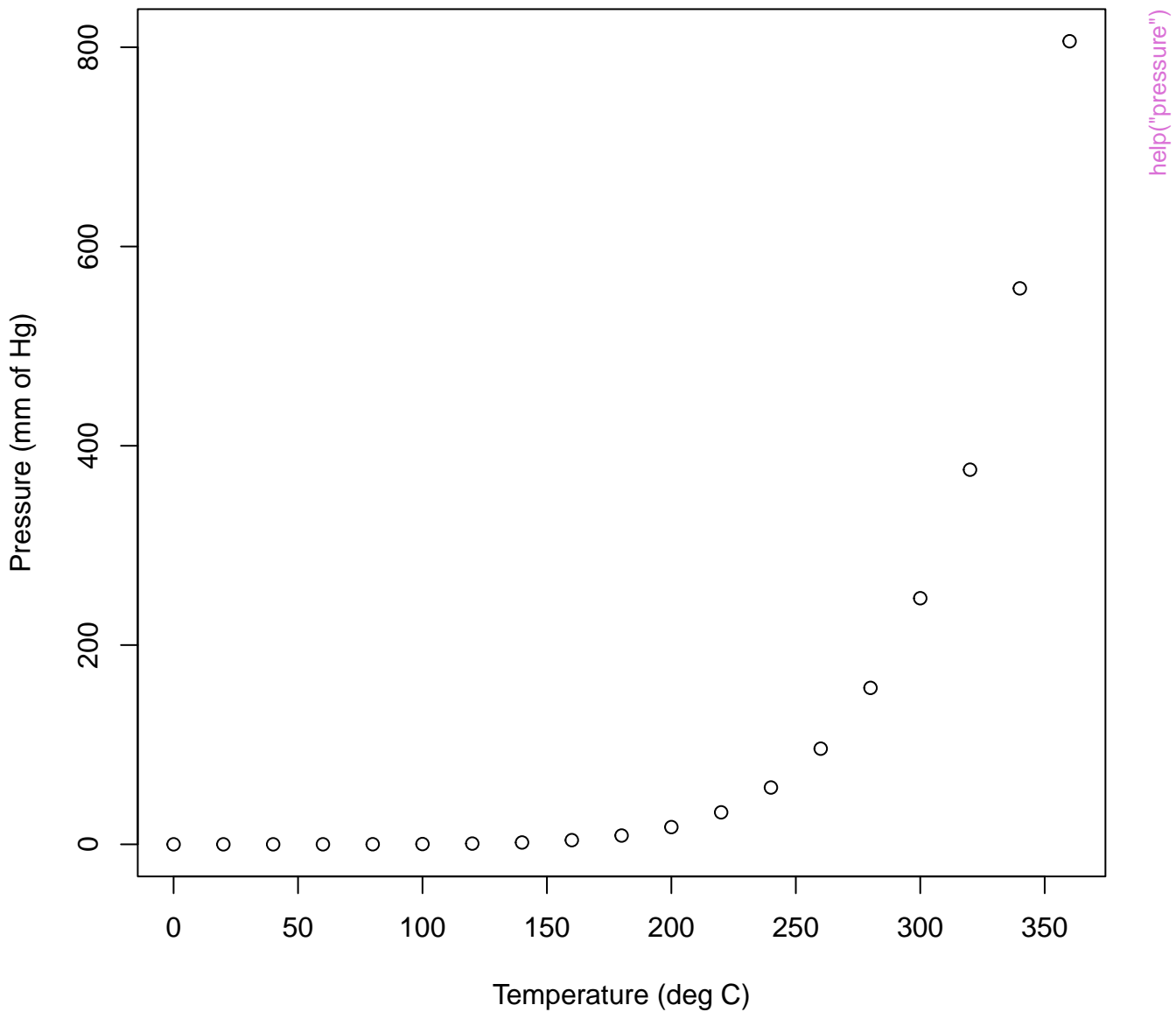
precip data



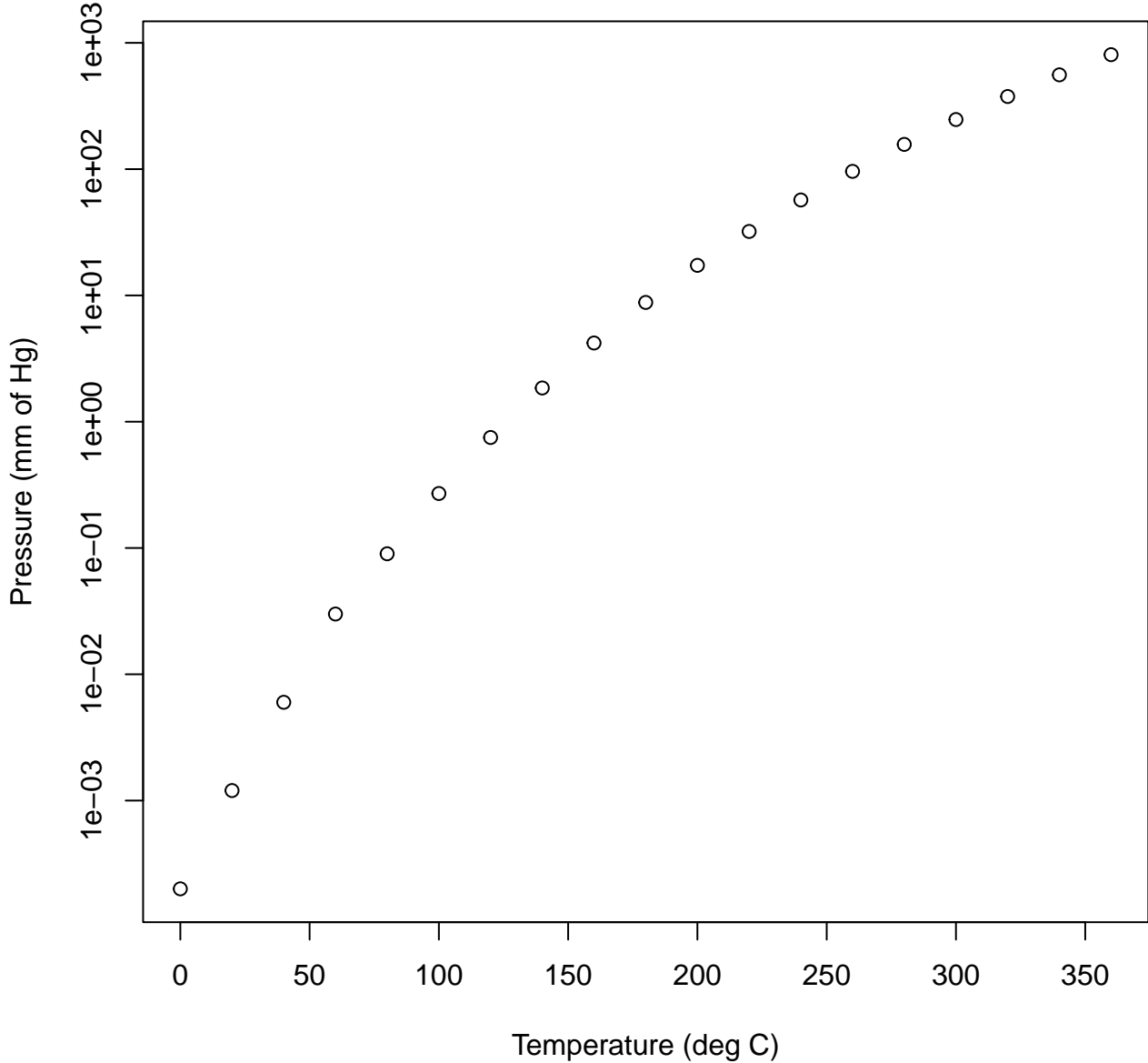
presidents data



pressure data: Vapor Pressure of Mercury

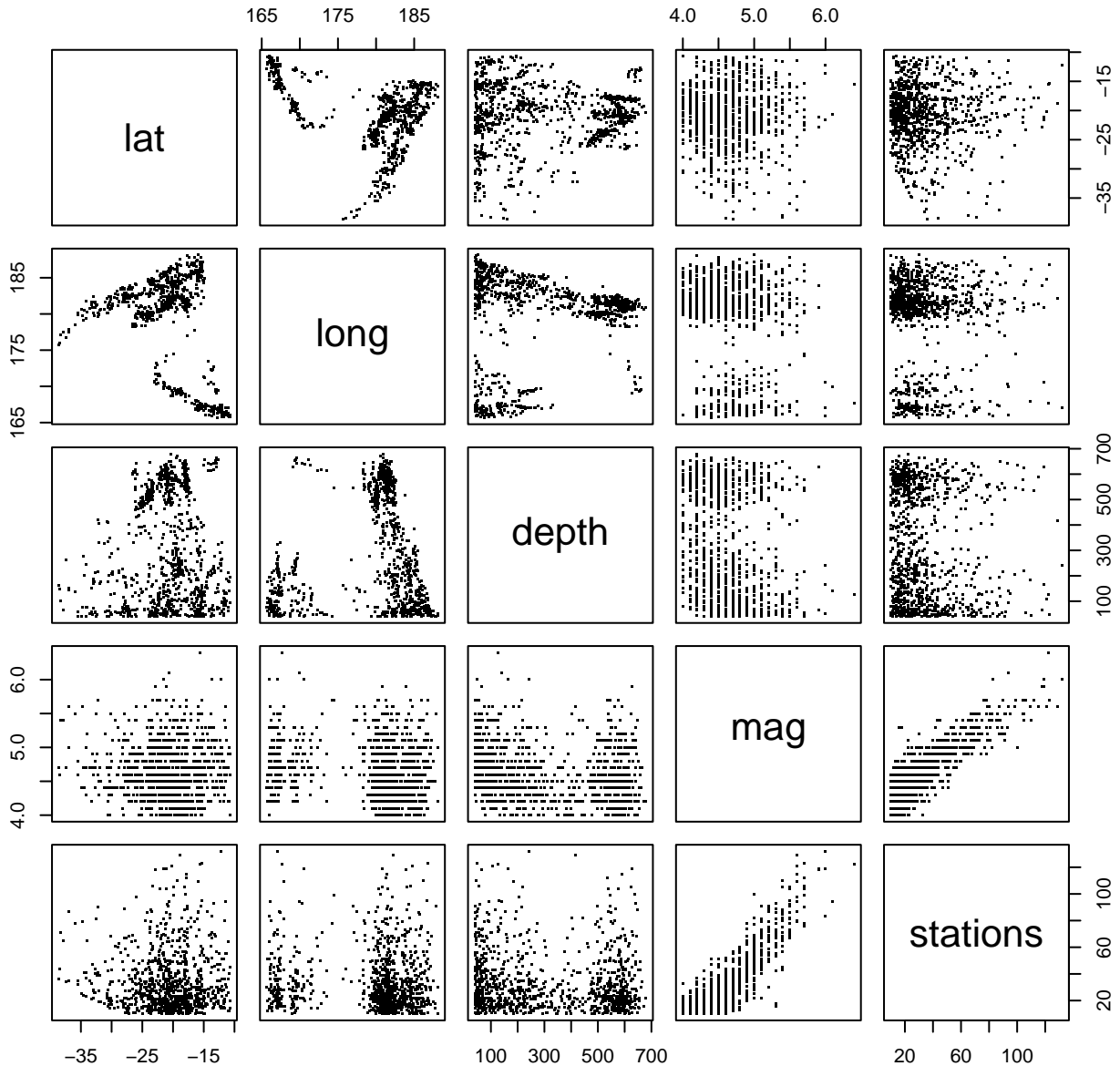


pressure data: Vapor Pressure of Mercury



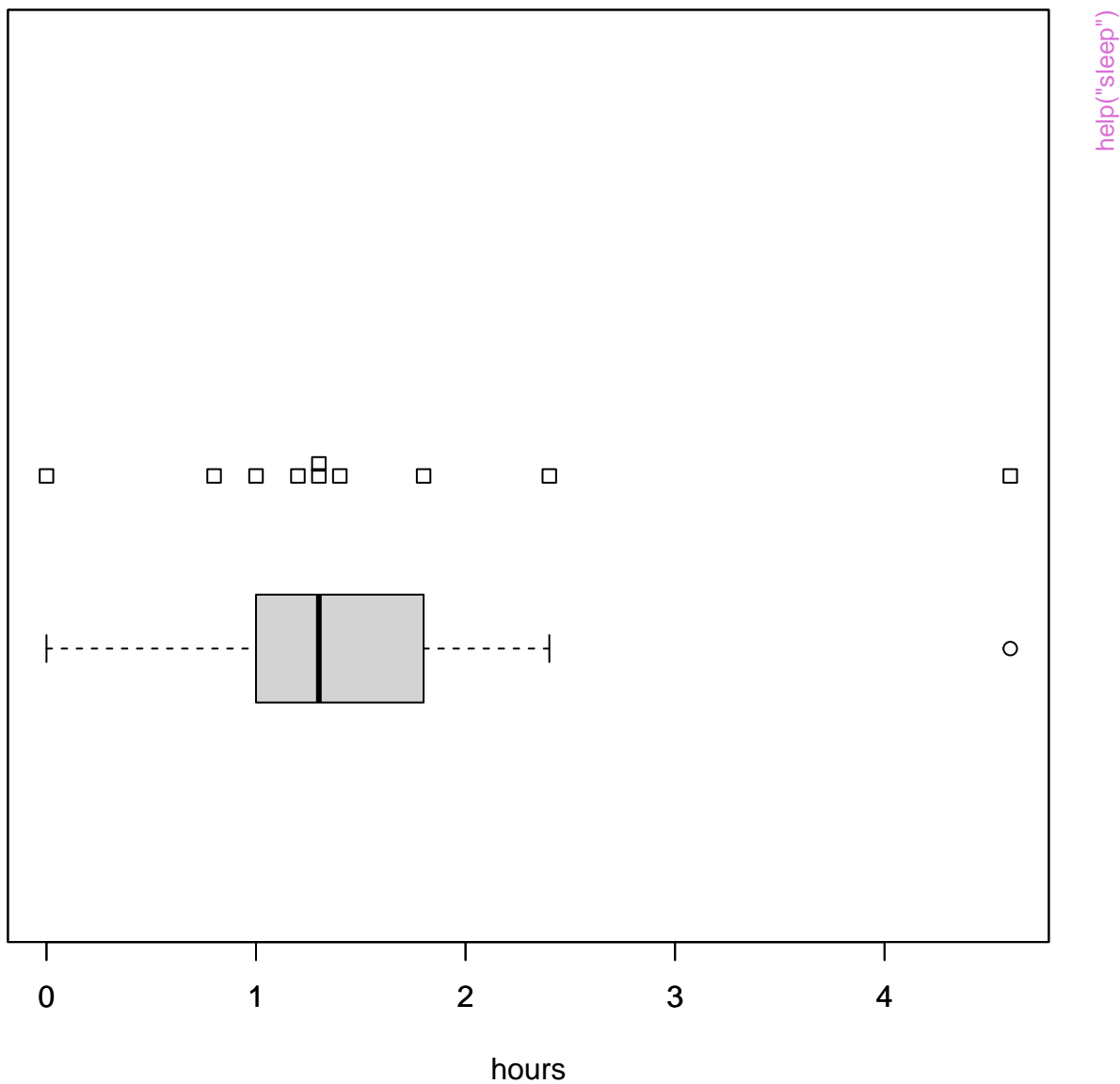
help("pressure")

Fiji Earthquakes, N = 1000

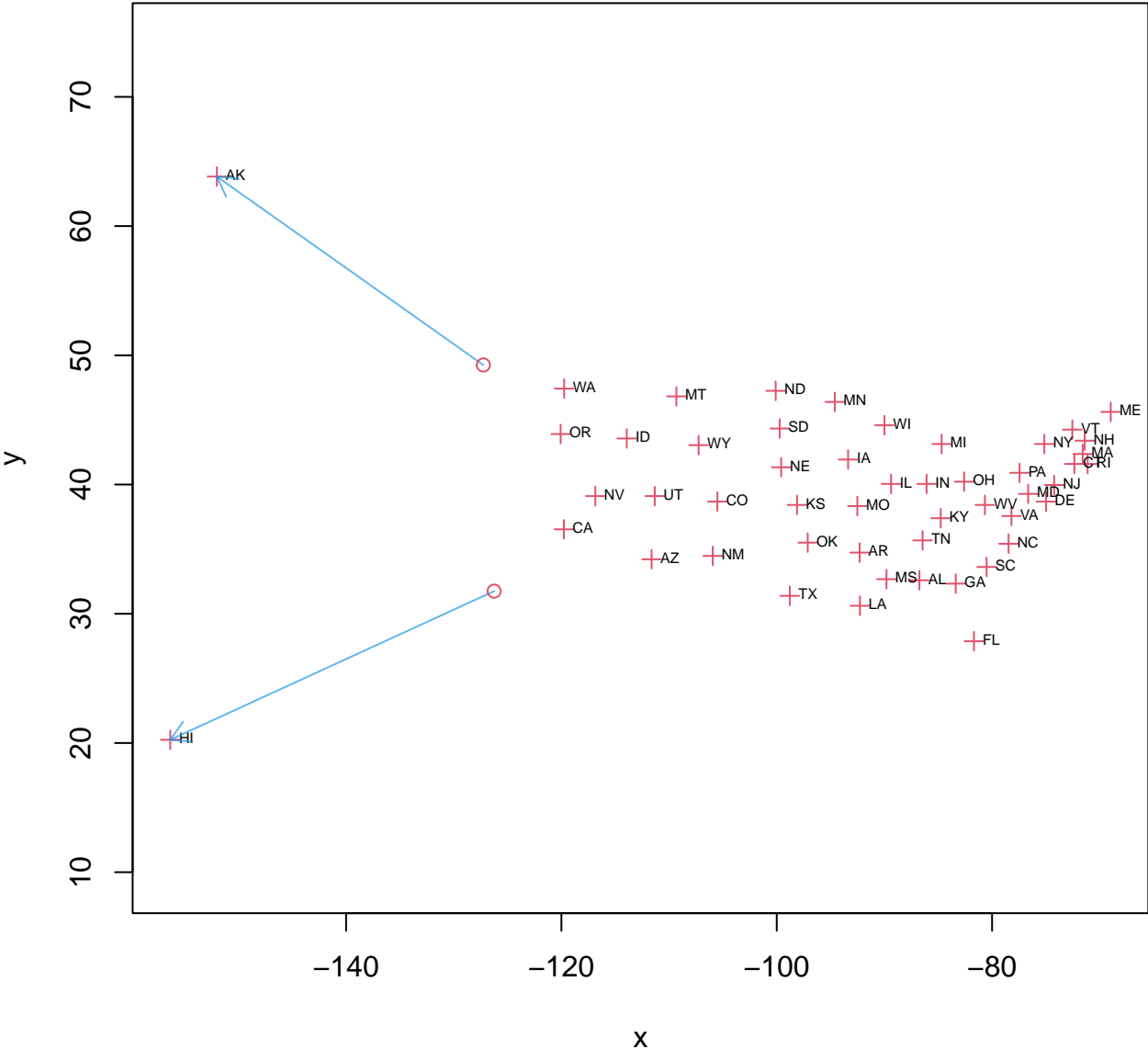


help("quakes")

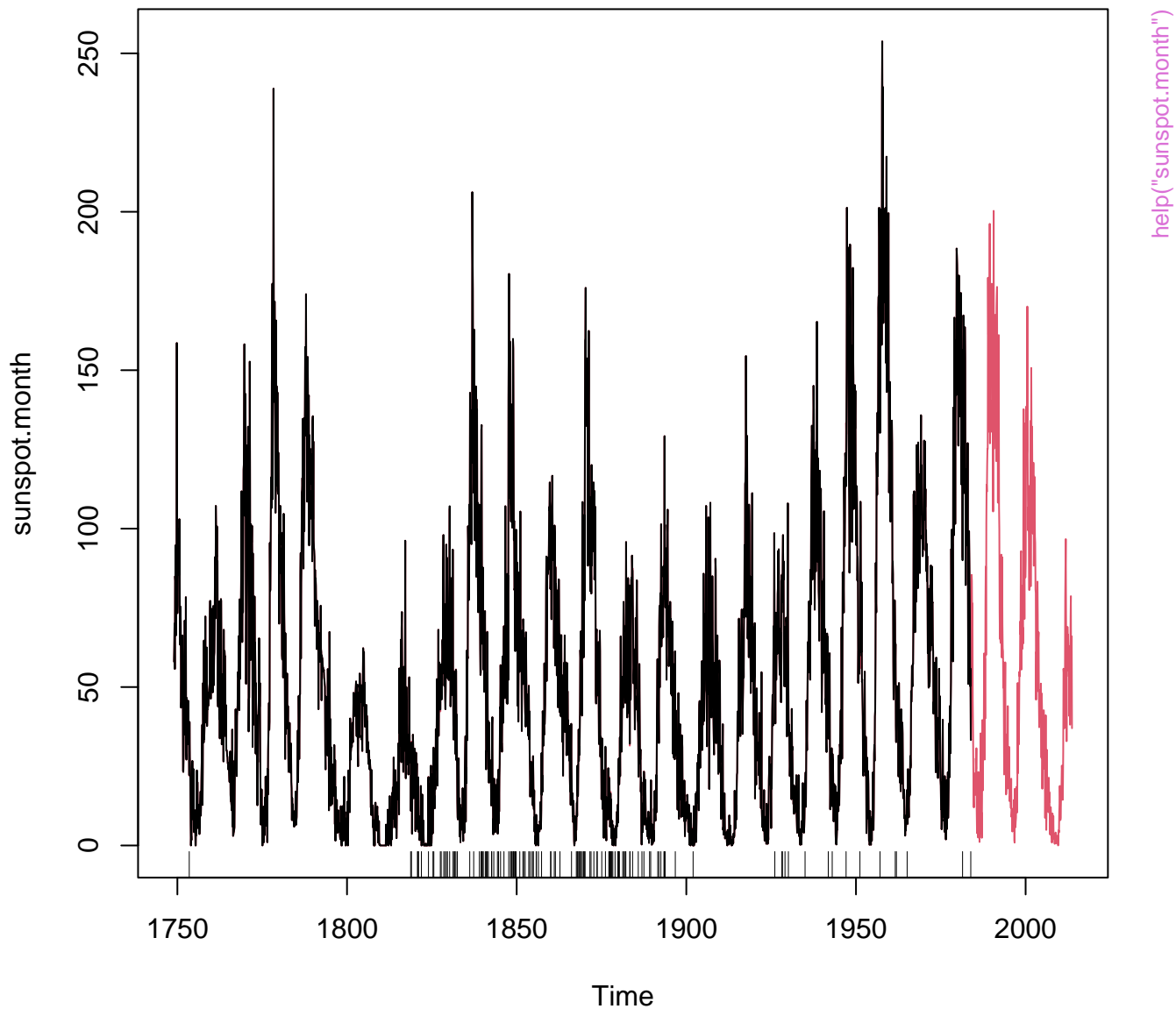
Sleep prolongation (n = 10)



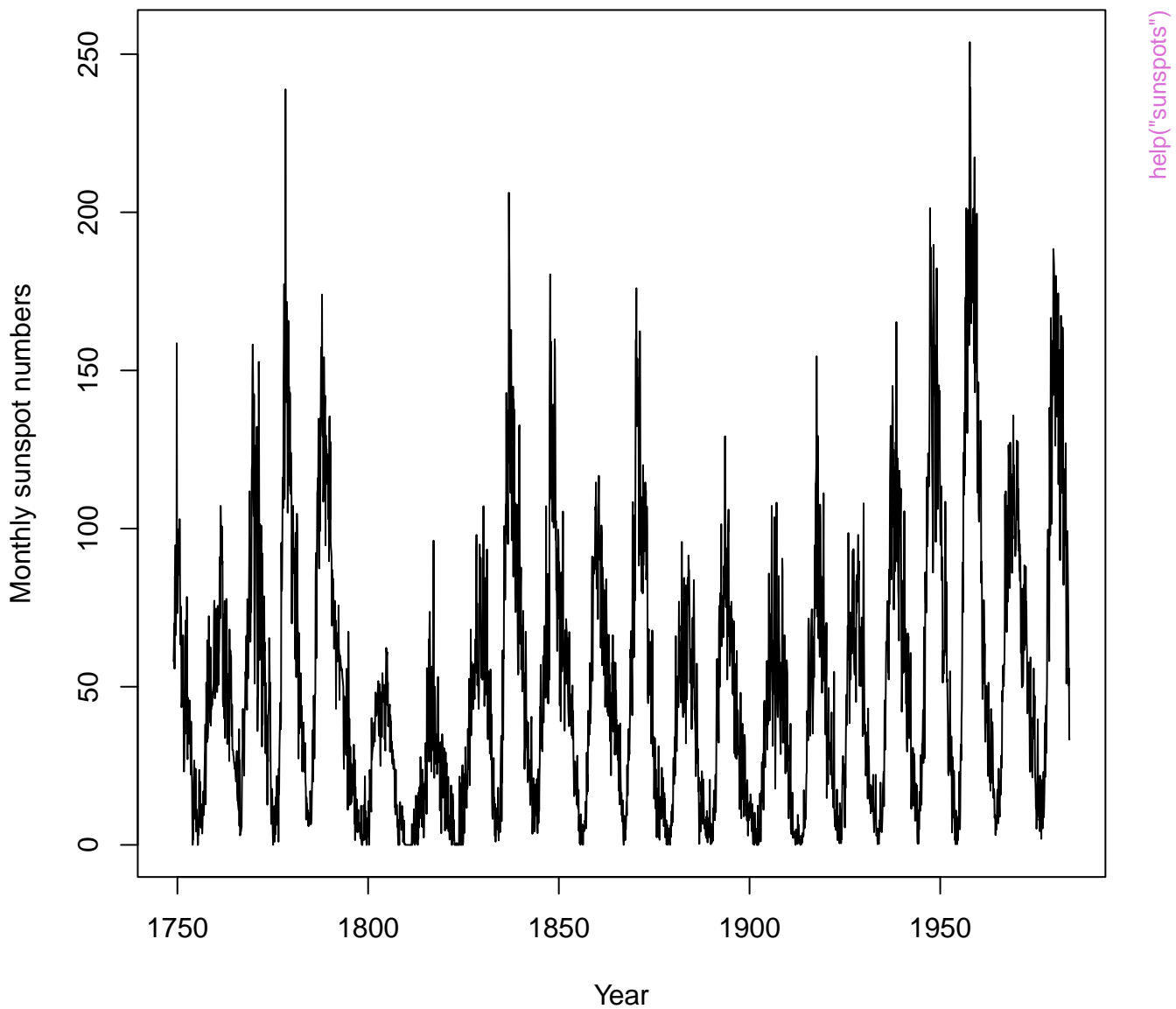
help("state")



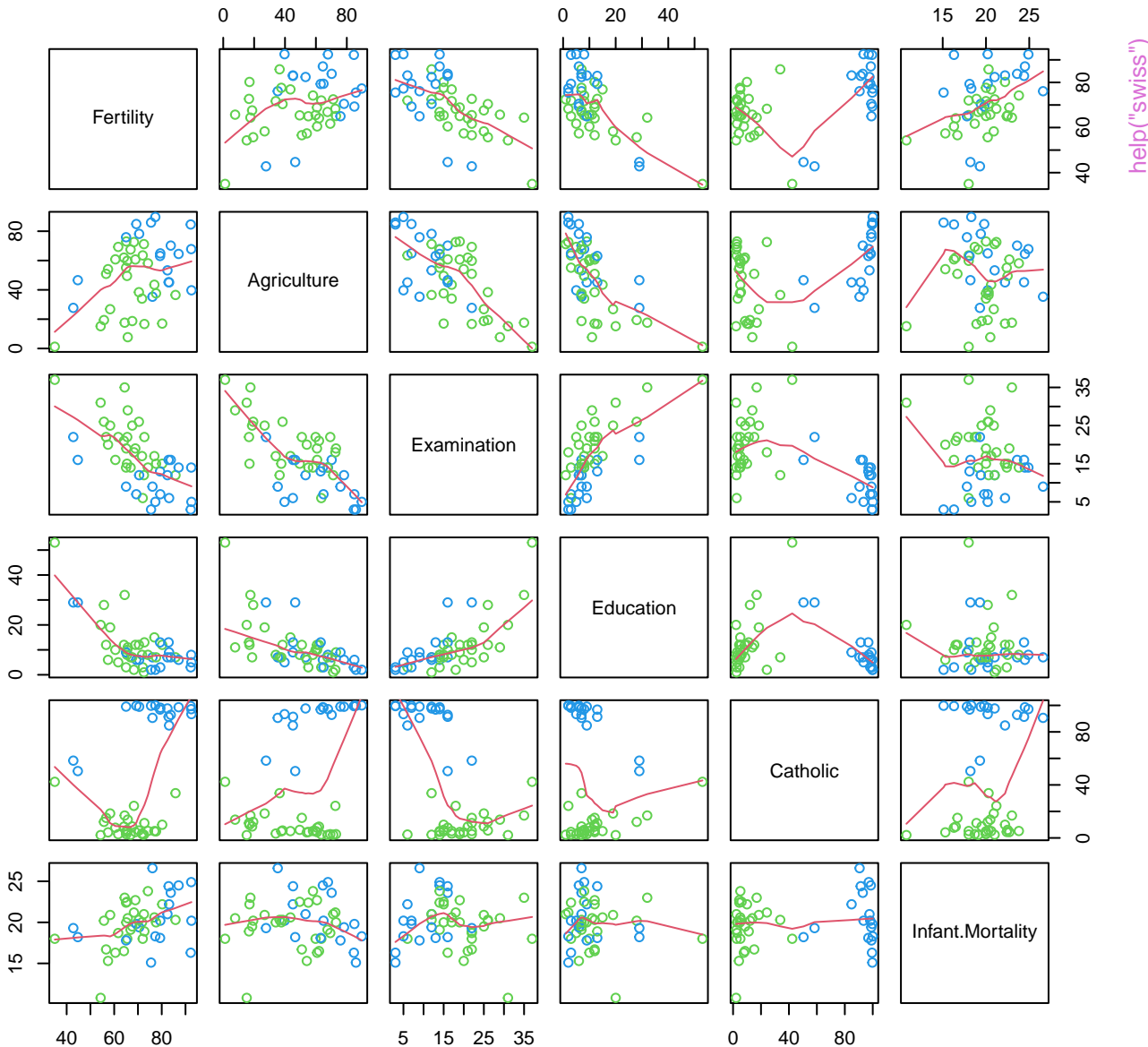
sunspot.month & sunspots [package'datasets']



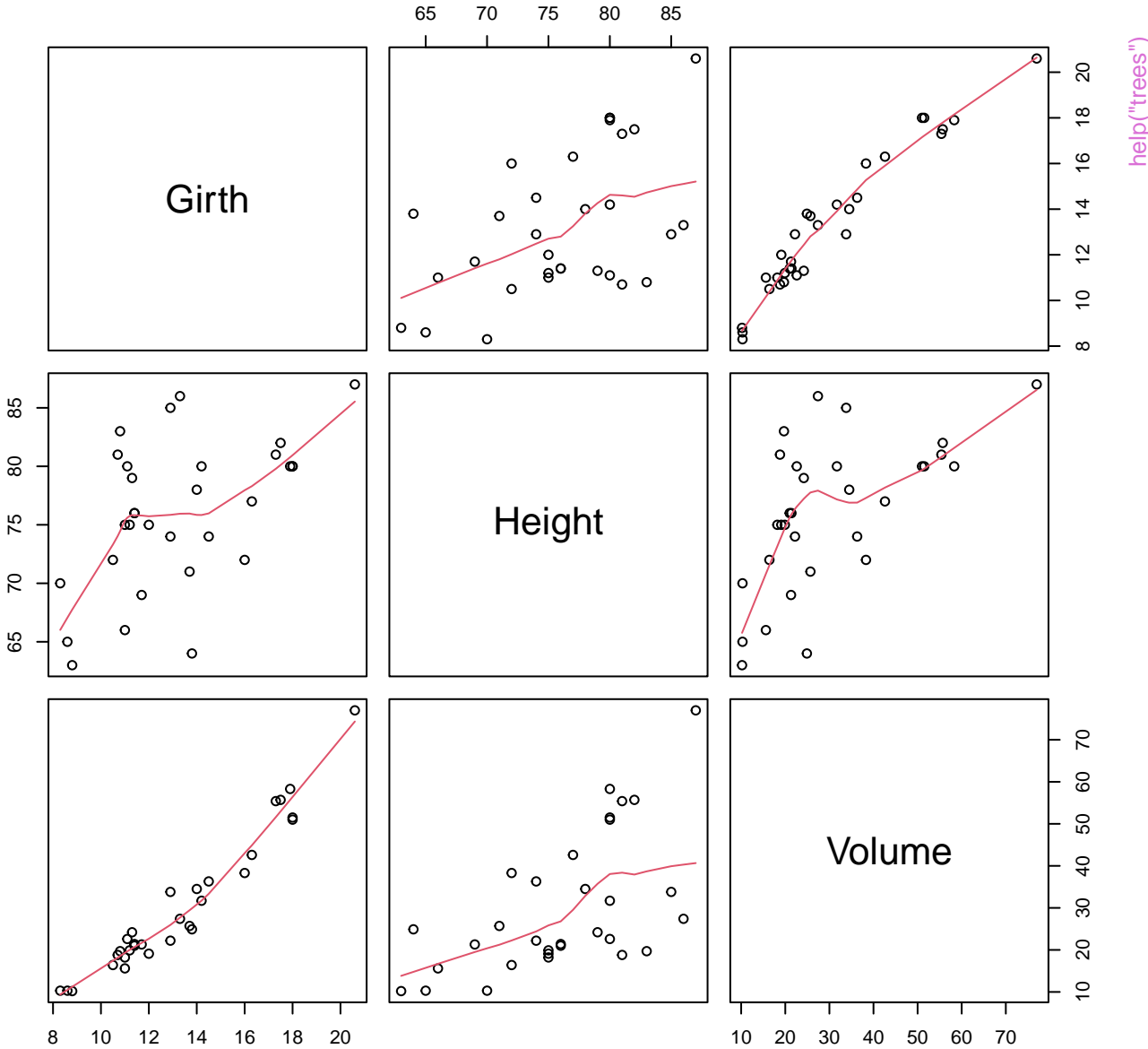
sunspots data

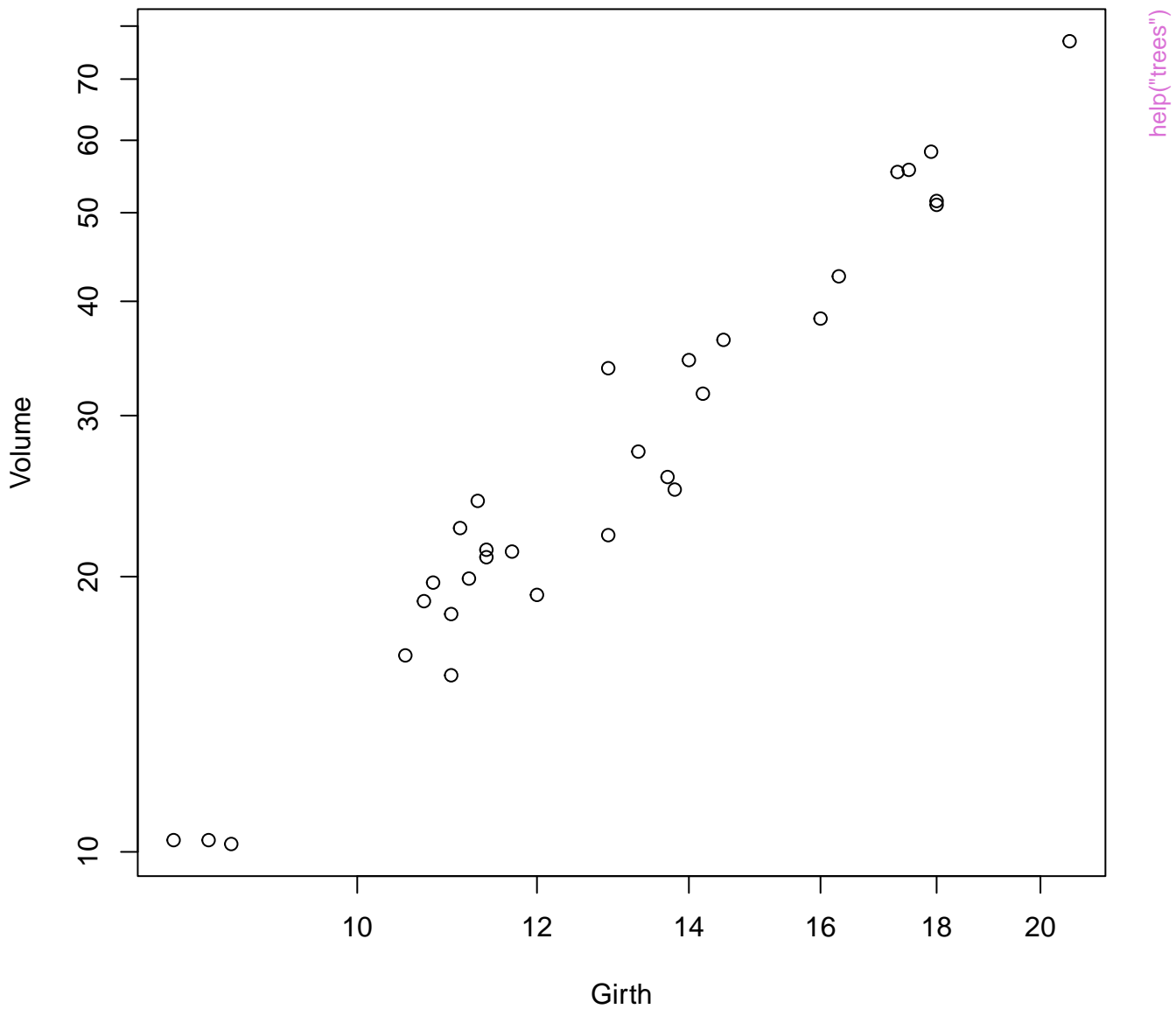


swiss data

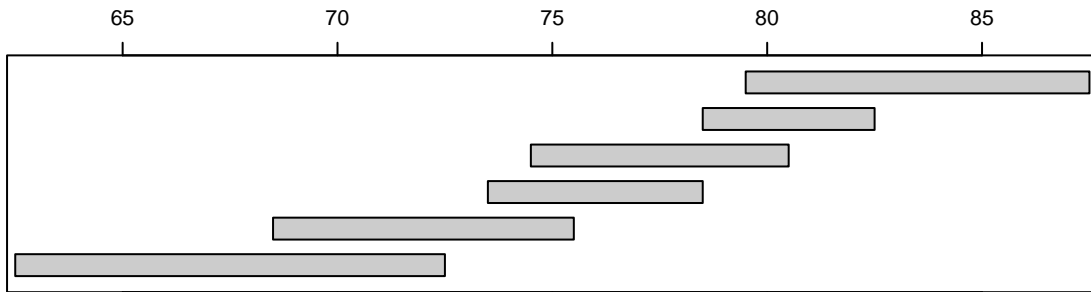


trees data

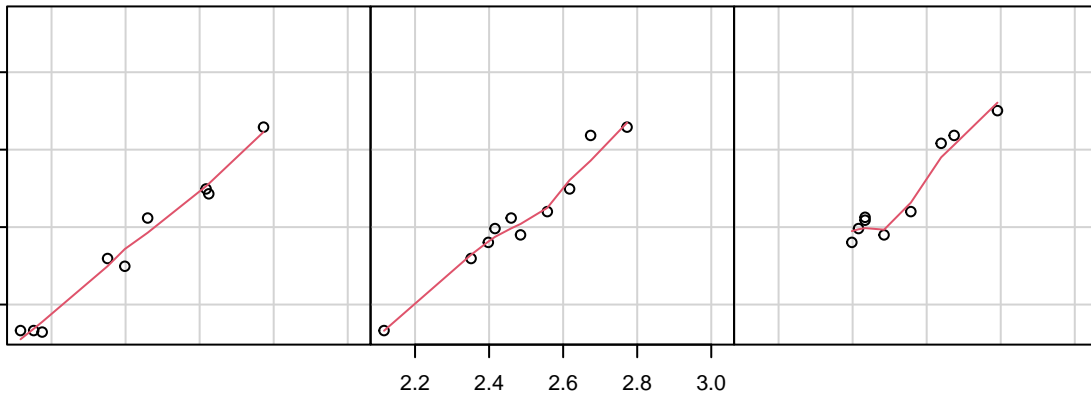
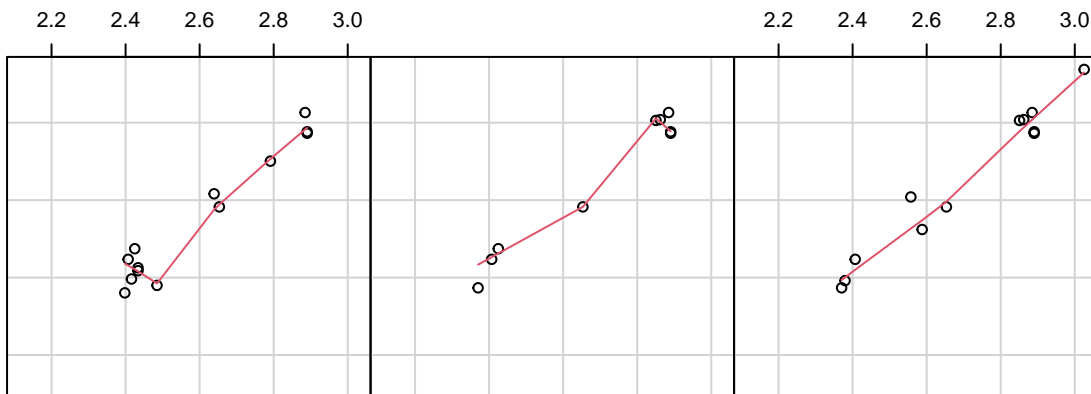




Given : Height



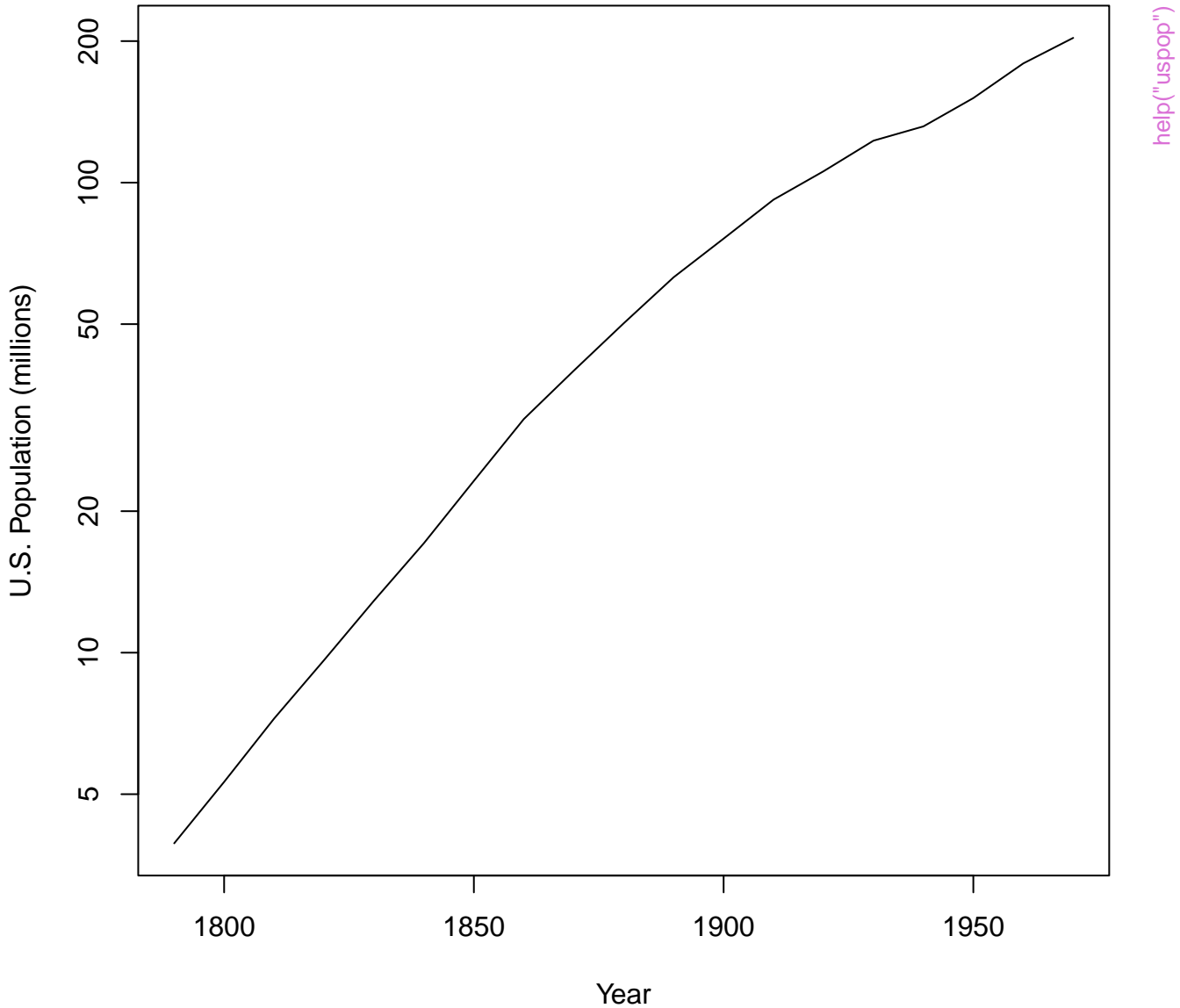
help("trees")



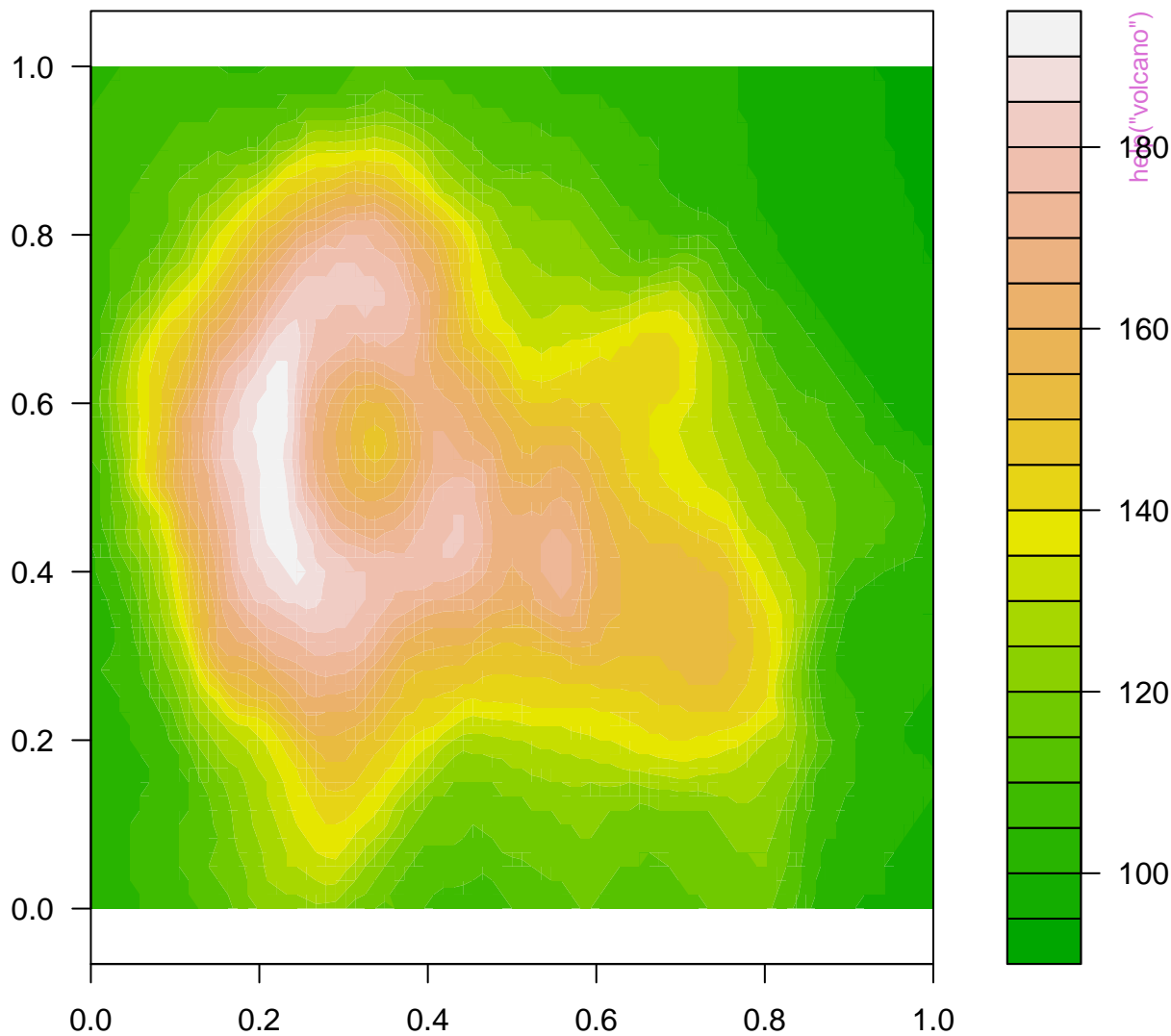
$\log(\text{Girth})$

$\log(\text{Volume})$

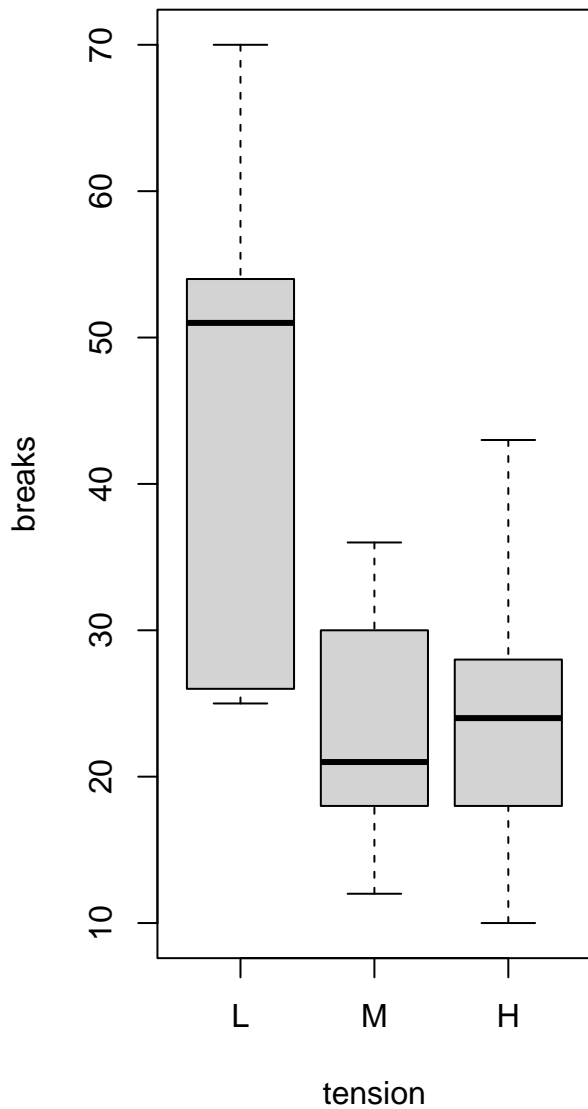
uspop data



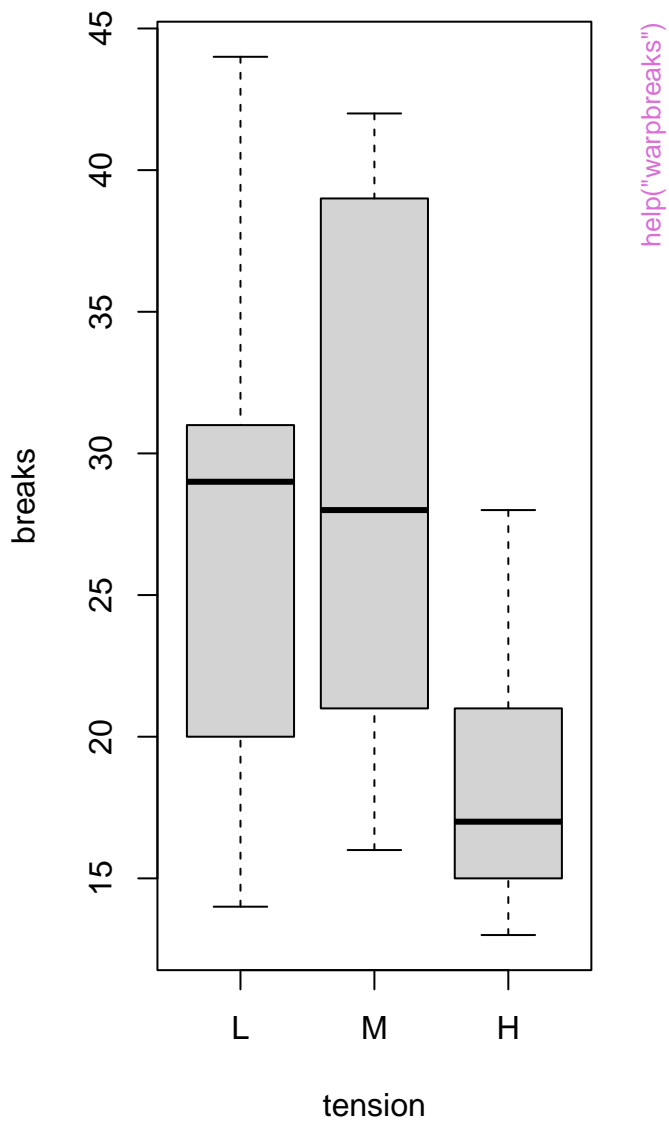
volcano data: filled contour map



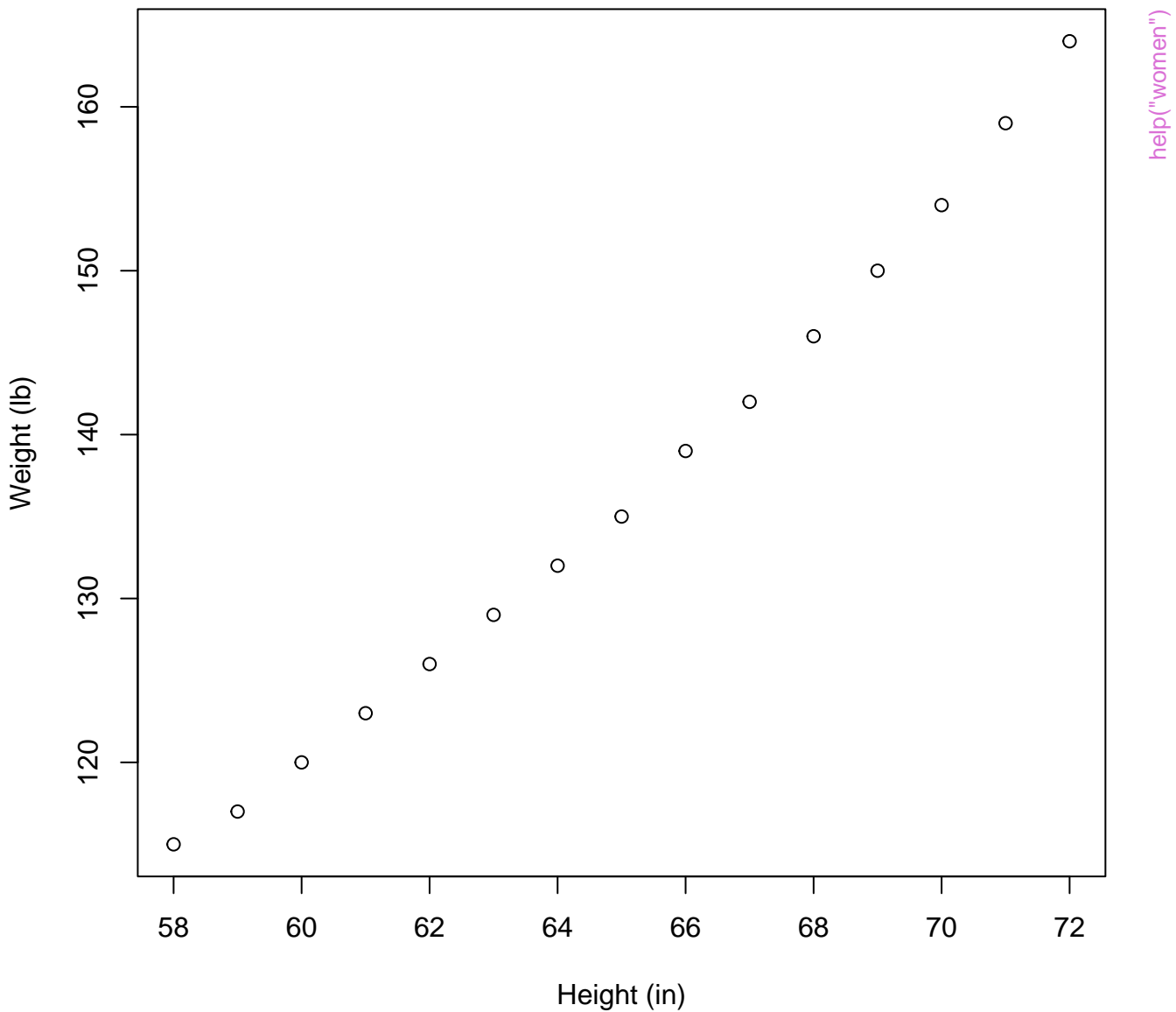
Wool A



Wool B



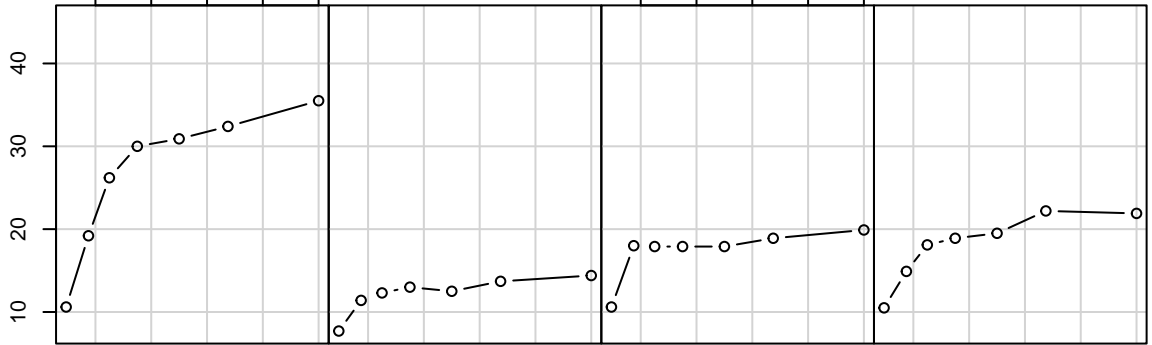
women data: American women aged 30–39



Given : Plant

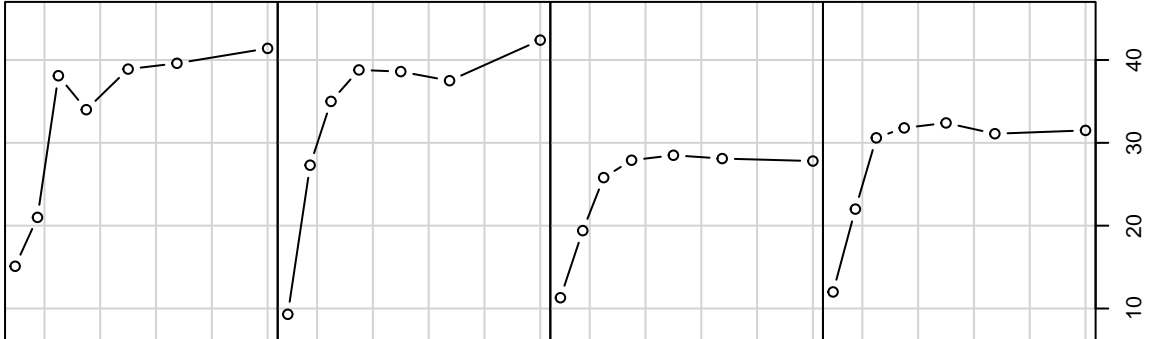
200 400 600 800

200 400 600 800

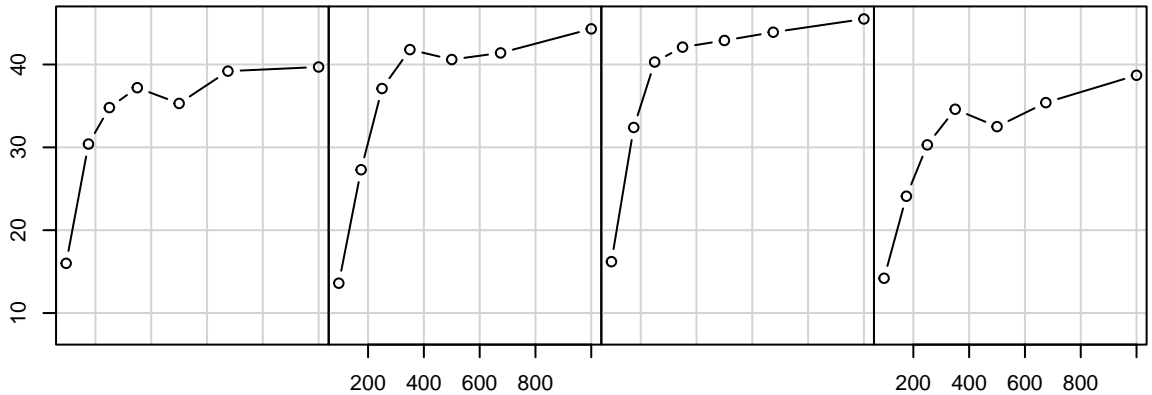


help("zCO2")

uptake



40
30
20
10



conc