

Les exemples graphiques des jeux de données standard

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Table des matières

1	Introduction	3
2	MASS 7.2-27	5
2.1	Skye : AFM Compositions of Aphyric Skye Lavas	5
2.2	beav1 : Body Temperature Series of Beaver 1	6
2.3	beav2 : Body Temperature Series of Beaver 2	7
2.4	caith : Colours of Eyes and Hair of People in Caithness	7
2.5	eagles : Foraging Ecology of Bald Eagles	8
2.6	farms : Ecological Factors in Farm Management	8
2.7	galaxies : Velocities for 82 Galaxies	9
2.8	leuk : Survival Times and White Blood Counts for Leukaemia Patients	9
2.9	motors : Accelerated Life Testing of Motorettes	10
2.10	oats : Data from an Oats Field Trial	10
2.11	waders : Counts of Waders at 15 Sites in South Africa	11
3	boot 1.2-24	12
4	cluster 1.10.5	12
4.1	agriculture : European Union Agricultural Workforces	12
4.2	animals : Attributes of Animals	13
4.3	pluton : Isotopic Composition Plutonium Batches	13
4.4	ruspini : Ruspini Data	14
5	datasets 2.3.0	15
5.1	CO2 : Carbon Dioxide uptake in grass plants	15
5.2	ChickWeight : Weight versus age of chicks on different diets	15
5.3	DNase : Elisa assay of DNase	16
5.4	Formaldehyde : Determination of Formaldehyde	16

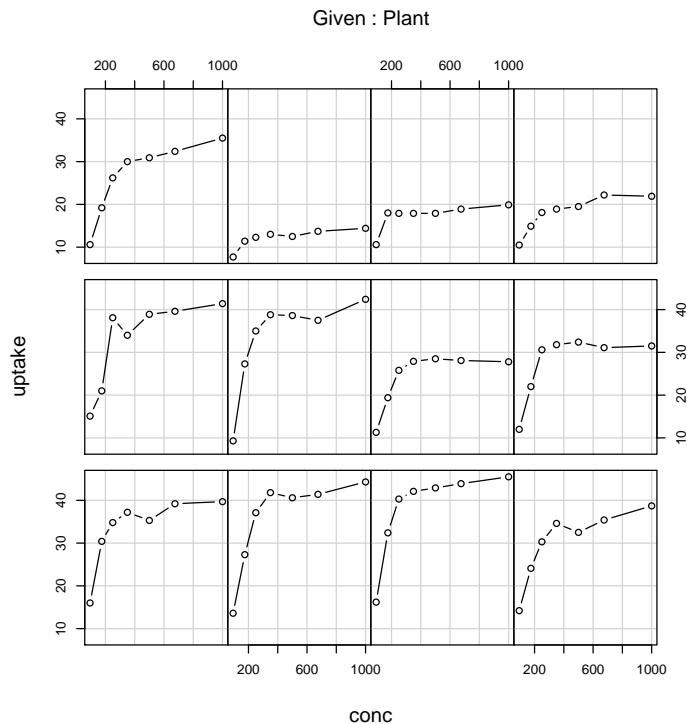
5.5	HairEyeColor : Hair and Eye Color of Statistics Students	17
5.6	InsectSprays : Effectiveness of Insect Sprays	17
5.7	JohnsonJohnson : Quarterly Earnings per Johnson & Johnson Share	18
5.8	LifeCycleSavings : Intercountry Life-Cycle Savings Data	19
5.9	Loblolly : Growth of Loblolly pine trees	19
5.10	Nile : Flow of the River Nile	20
5.11	Orange : Growth of orange trees	20
5.12	OrchardSprays : Potency of Orchard Sprays	21
5.13	PlantGrowth : Results from an Experiment on Plant Growth	21
5.14	Puromycin : Reaction velocity of an enzymatic reaction	22
5.15	Seatbelts : Road Casualties in Great Britain 1969-84	22
5.16	Theoph : Pharmacokinetics of theophylline	23
5.17	Titanic : Survival of passengers on the Titanic	23
5.18	ToothGrowth : The Effect of Vitamin C on Tooth Growth in Guinea Pigs	24
5.19	UCBAdmissions : Student Admissions at UC Berkeley	24
5.20	UKDriverDeaths : Road Casualties in Great Britain 1969-84	25
5.21	USArrests : Violent Crime Rates by US State	25
5.22	USJudgeRatings : Lawyers' Ratings of State Judges in the US Superior Court	26
5.23	VADeaths : Death Rates in Virginia (1940)	26
5.24	WWWusage : Internet Usage per Minute	27
5.25	WorldPhones : The World's Telephones	27
5.26	airmiles : Passenger Miles on Commercial US Airlines, 1937-1960	28
5.27	airquality : New York Air Quality Measurements	28
5.28	anscombe : Anscombe's Quartet of "Identical" Simple Linear Re- gressions	29
5.29	attenu : The Joyner-Boore Attenuation Data	29
5.30	attitude : The Chatterjee-Price Attitude Data	30
5.31	beavers : Body Temperature Series of Two Beavers	30
5.32	cars : Speed and Stopping Distances of Cars	31
5.33	chickwts : Chicken Weights by Feed Type	31
5.34	discoveries : Yearly Numbers of Important Discoveries	32
5.35	esoph : Smoking, Alcohol and (O)esophageal Cancer	32
5.36	euro : Conversion Rates of Euro Currencies	33
5.37	faithful : Old Faithful Geyser Data	33
5.38	UKLungDeaths : Monthly Deaths from Lung Diseases in the UK	34
5.39	freeny : Freeny's Revenue Data	34
5.40	islands : Areas of the World's Major Landmasses	35
5.41	longley : Longley's Economic Regression Data	35
5.42	morley : Michaelson-Morley Speed of Light Data	36
5.43	mtcars : Motor Trend Car Road Tests	36
5.44	nhtemp : Average Yearly Temperatures in New Haven	37
5.45	precip : Annual Precipitation in US Cities	37
5.46	presidents : Quarterly Approval Ratings of US Presidents	38
5.47	pressure : Vapor Pressure of Mercury as a Function of Tempe- rature	38
5.48	quakes : Locations of Earthquakes off Fiji	39
5.49	sunspot.month : Monthly Sunspot Data, 1749-1997	39

5.50	sunspots : Monthly Sunspot Numbers, 1749-1983	40
5.51	swiss : Swiss Fertility and Socioeconomic Indicators (1888) Data	40
5.52	trees : Girth, Height and Volume for Black Cherry Trees	41
5.53	uspop : Populations Recorded by the US Census	41
5.54	volcano : Topographic Information on Auckland's Maunga Whau Volcano	42
5.55	warpbreaks : The Number of Breaks in Yarn during Weaving . .	42
5.56	women : Average Heights and Weights for American Women . .	43
6	lattice 0.13-8	43
6.1	environmental : Atmospheric environmental conditions in New York City	43
7	nlme 3.1-71	44
8	rpart 3.1-29	44
8.1	cu.summary : Automobile Data from 'Consumer Reports' 1990	44
8.2	kyphosis : Data on Children who have had Corrective Spinal Surgery	44
8.3	solder : Soldering of Components on Printed-Circuit Boards . .	45
9	survival 2.24	45

1 Introduction

Les jeux de données se chargent avec la fonction `data()`. On peut alors utiliser la fonction `example()` pour exécuter les exemples correspondants s'ils existent. Par exemple :

```
data(CO2)
example(CO2, echo = FALSE)
```



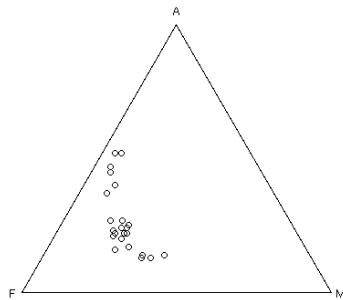
Les packages explorés ici sont ceux de la distribution standard, leur liste peut être obtenue ainsi :

```
pcklist <- installed.packages()
pcklist <- pcklist[!is.na(pcklist[, "Priority"]), c(1, 3, 4)]
pcklist
```

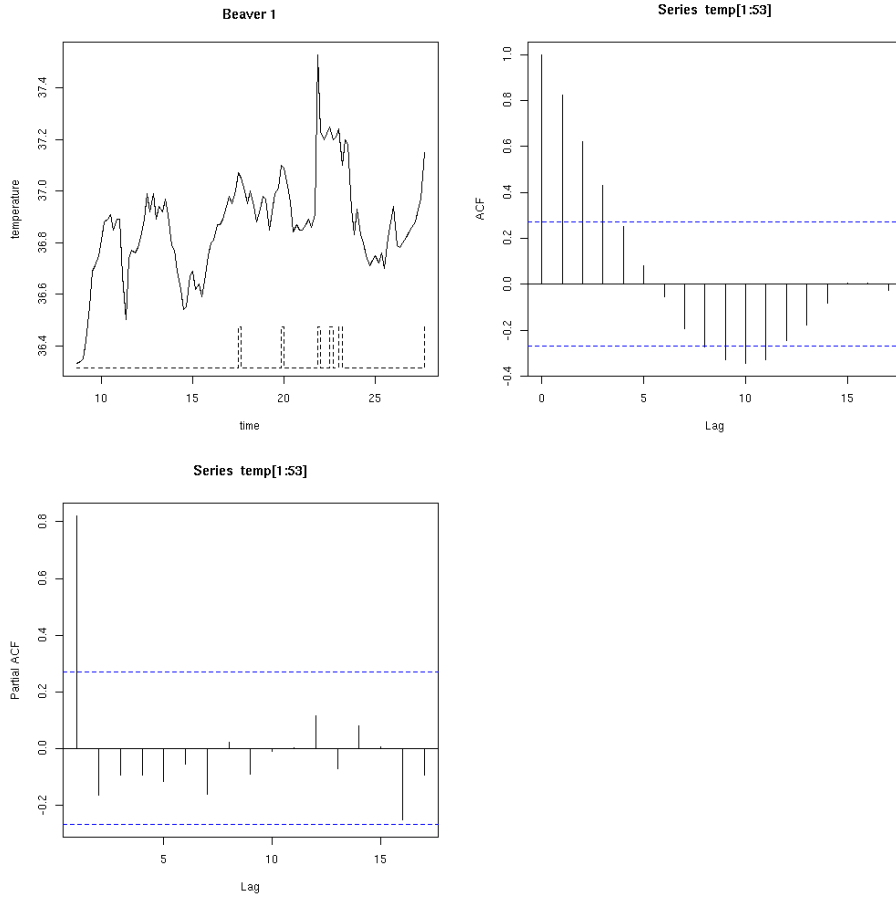
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KernSmooth	"KernSmooth"	"2.22-17"	"recommended"
MASS	"MASS"	"7.2-27"	"recommended"
base	"base"	"2.3.0"	"base"
boot	"boot"	"1.2-24"	"recommended"
class	"class"	"7.2-27"	"recommended"
cluster	"cluster"	"1.10.5"	"recommended"
datasets	"datasets"	"2.3.0"	"base"
foreign	"foreign"	"0.8-15"	"recommended"
grDevices	"grDevices"	"2.3.0"	"base"
graphics	"graphics"	"2.3.0"	"base"
grid	"grid"	"2.3.0"	"base"
lattice	"lattice"	"0.13-8"	"recommended"
methods	"methods"	"2.3.0"	"base"
mgcv	"mgcv"	"1.3-16"	"recommended"
nlme	"nlme"	"3.1-71"	"recommended"
nnet	"nnet"	"7.2-27"	"recommended"
rpart	"rpart"	"3.1-29"	"recommended"
spatial	"spatial"	"7.2-27"	"recommended"
splines	"splines"	"2.3.0"	"base"
stats	"stats"	"2.3.0"	"base"
stats4	"stats4"	"2.3.0"	"base"
survival	"survival"	"2.24"	"recommended"
tcltk	"tcltk"	"2.3.0"	"base"
tools	"tools"	"2.3.0"	"base"
utils	"utils"	"2.3.0"	"base"

2 MASS 7.2-27

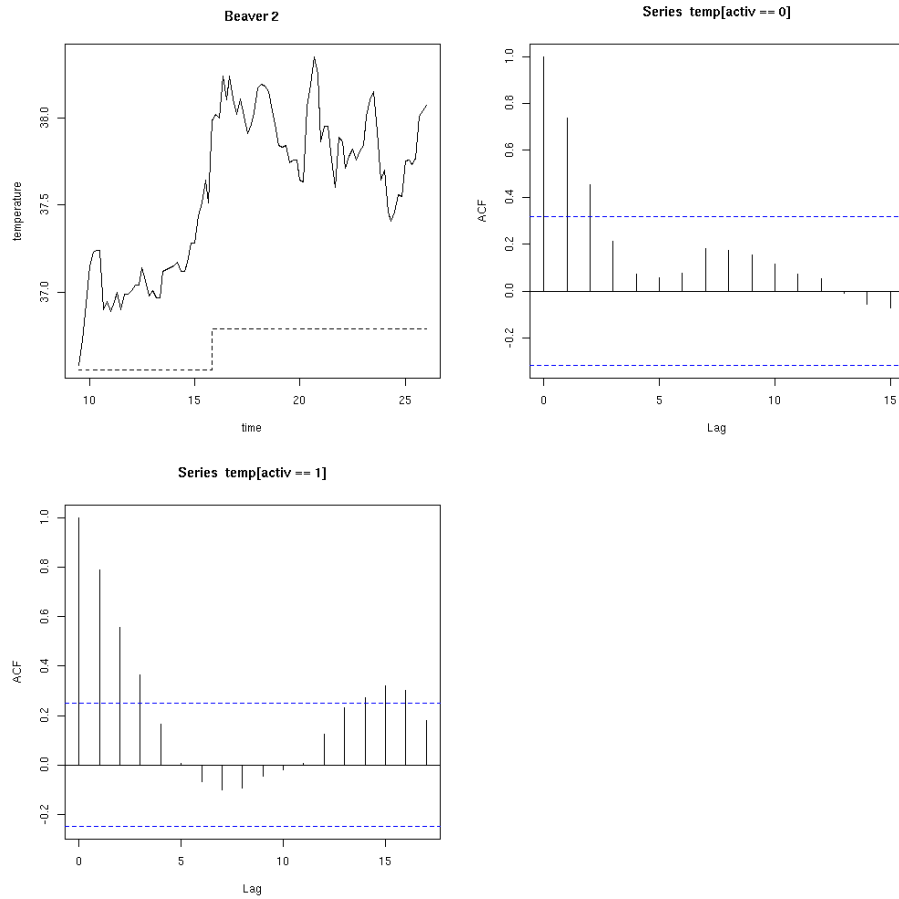
2.1 Skye : AFM Compositions of Aphyric Skye Lavas



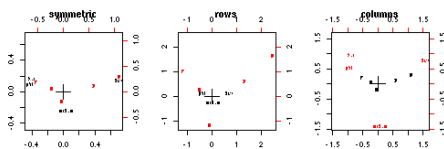
2.2 beav1 : Body Temperature Series of Beaver 1



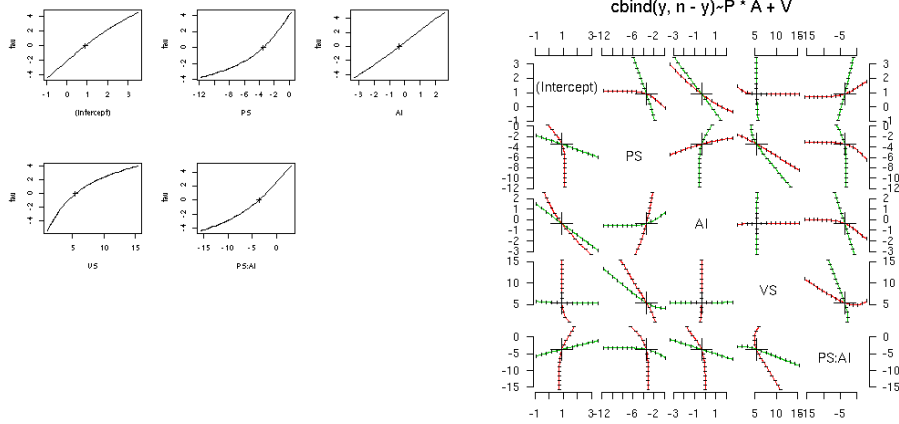
2.3 beav2 : Body Temperature Series of Beaver 2



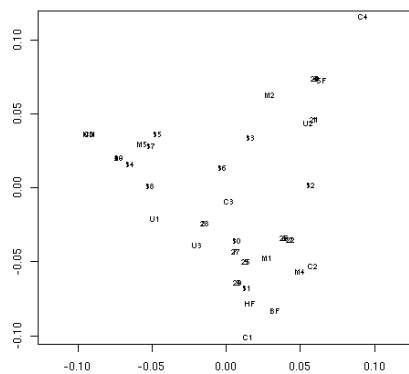
2.4 caith : Colours of Eyes and Hair of People in Caithness



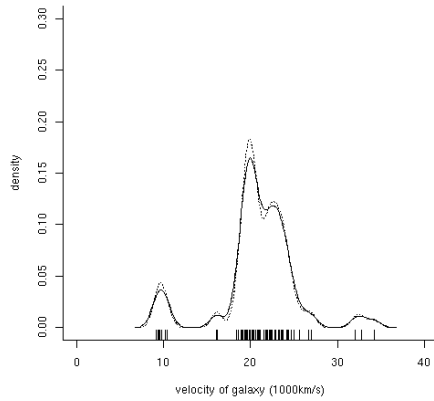
2.5 eagles : Foraging Ecology of Bald Eagles



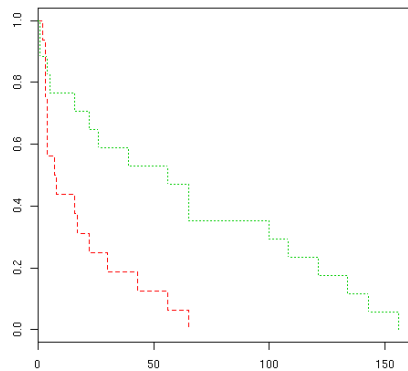
2.6 farms : Ecological Factors in Farm Management



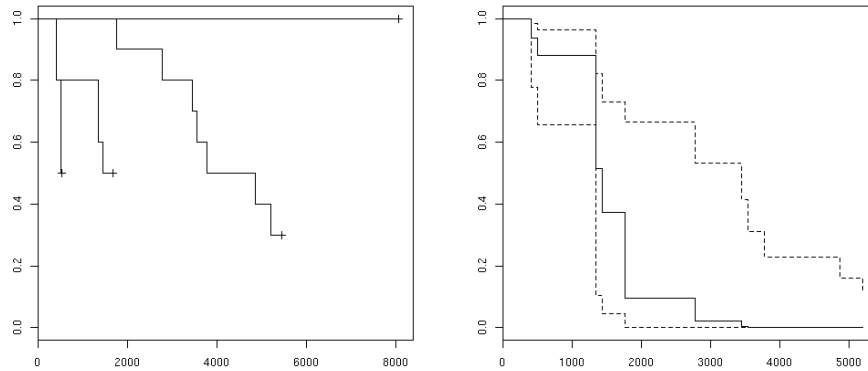
2.7 galaxies : Velocities for 82 Galaxies



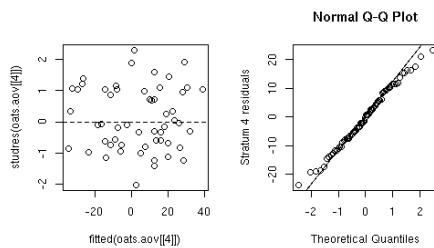
2.8 leuk : Survival Times and White Blood Counts for Leukaemia Patients



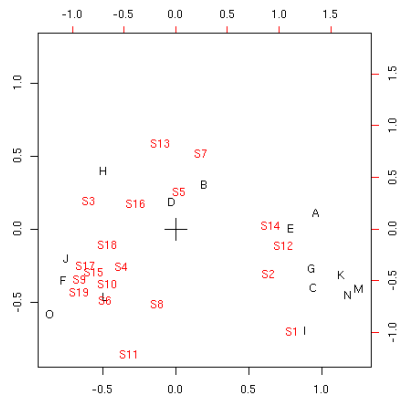
2.9 motors : Accelerated Life Testing of Motorettes



2.10 oats : Data from an Oats Field Trial



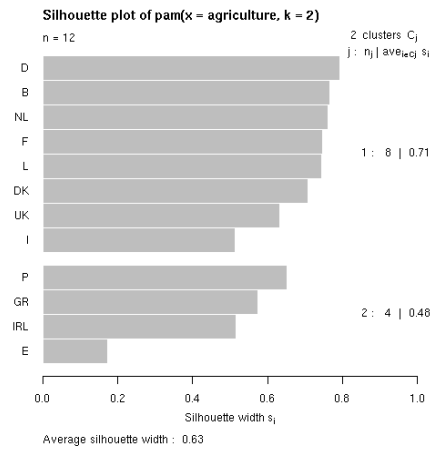
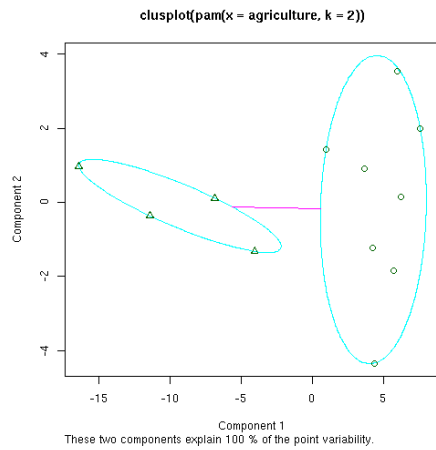
2.11 waders : Counts of Waders at 15 Sites in South Africa



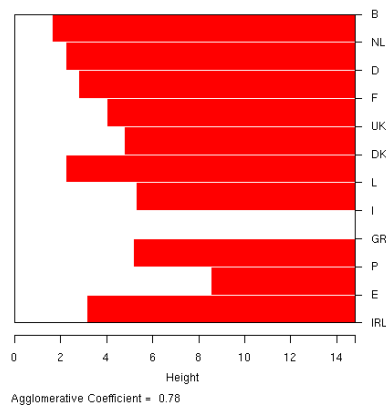
3 boot 1.2-24

4 cluster 1.10.5

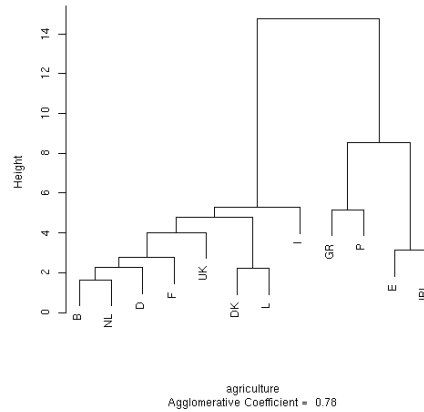
4.1 agriculture : European Union Agricultural Workforces



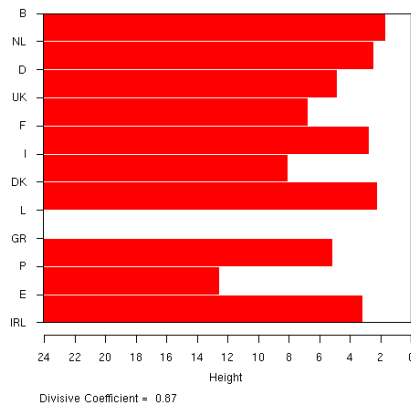
Banner of agnes(x = agriculture)



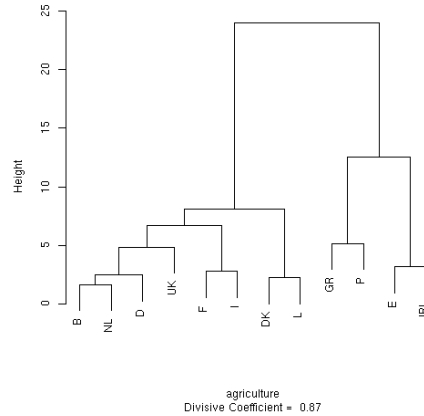
Dendrogram of agnes(x = agriculture)



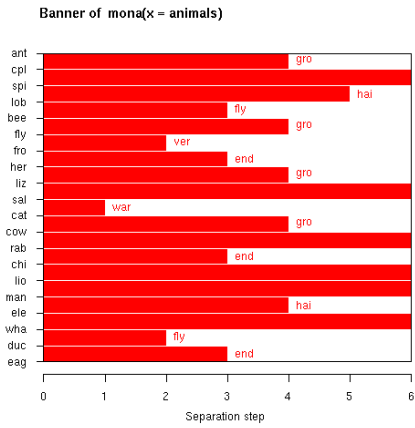
Banner of diana(x = agriculture)



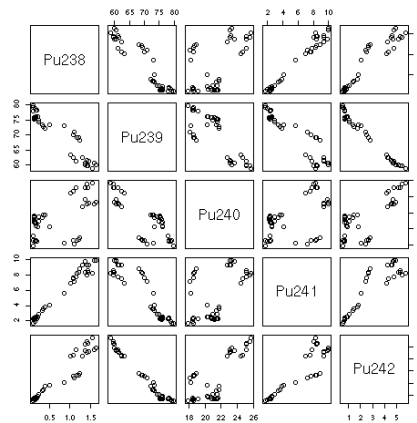
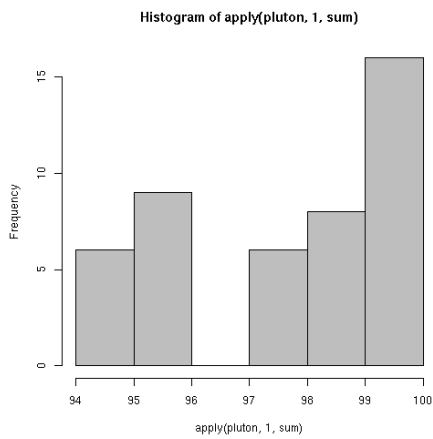
Dendrogram of diana(x = agriculture)



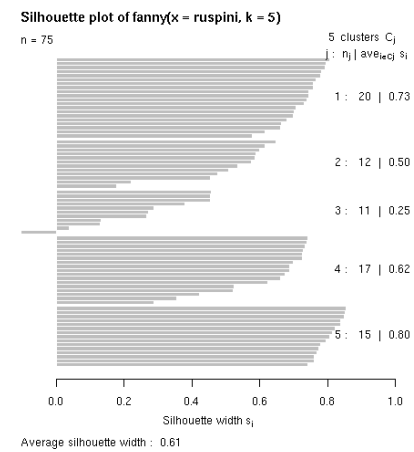
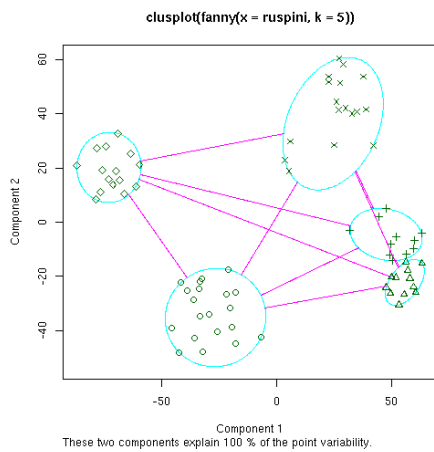
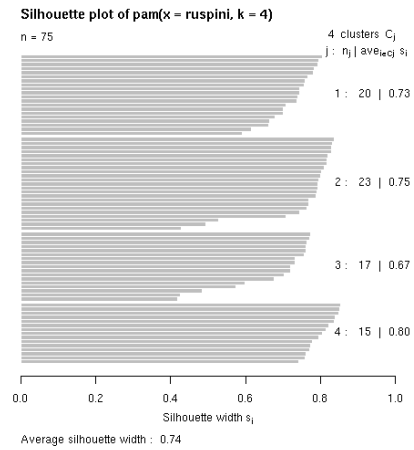
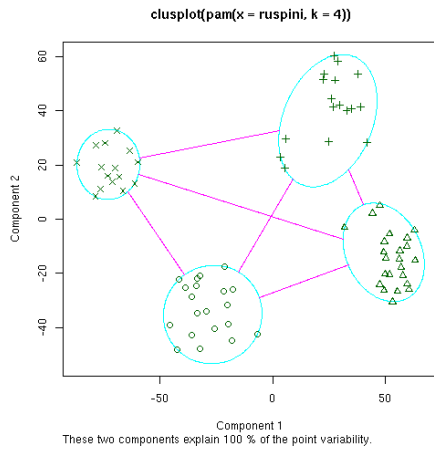
4.2 animals : Attributes of Animals



4.3 pluton : Isotopic Composition Plutonium Batches

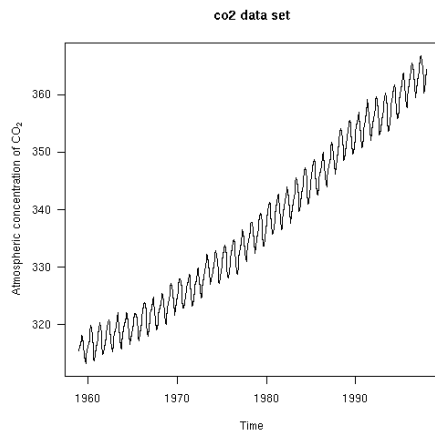


4.4 ruspini : Ruspini Data

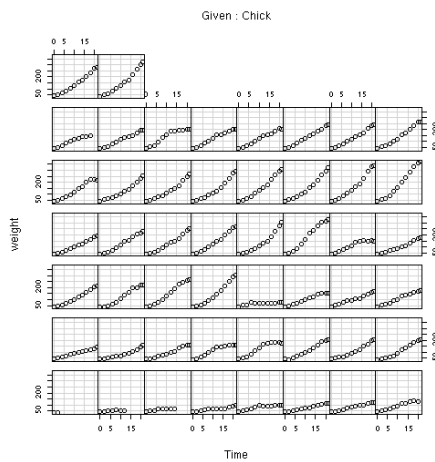


5 datasets 2.3.0

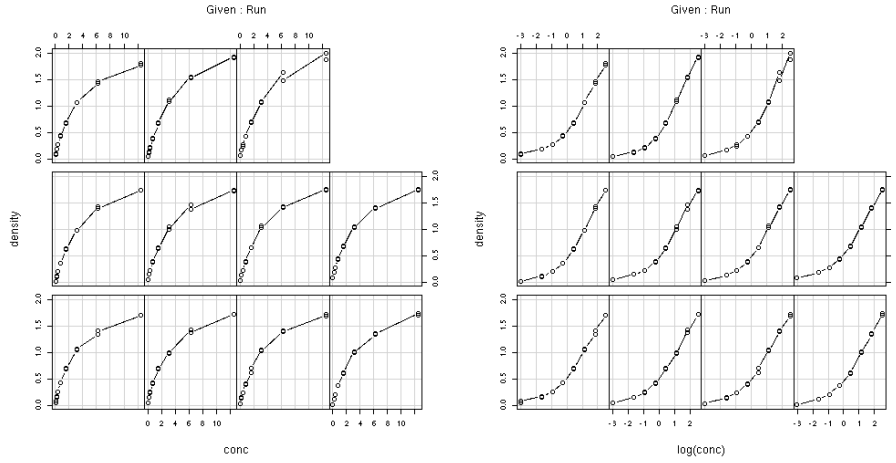
5.1 CO₂ : Carbon Dioxide uptake in grass plants



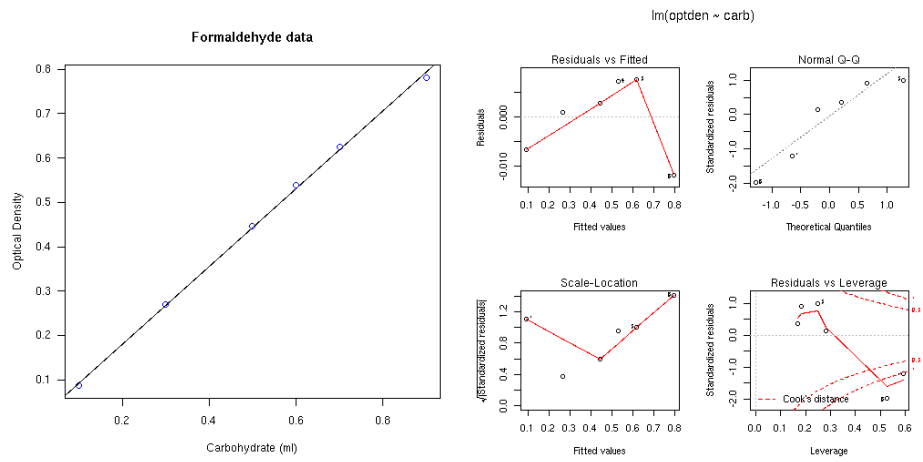
5.2 ChickWeight : Weight versus age of chicks on different diets



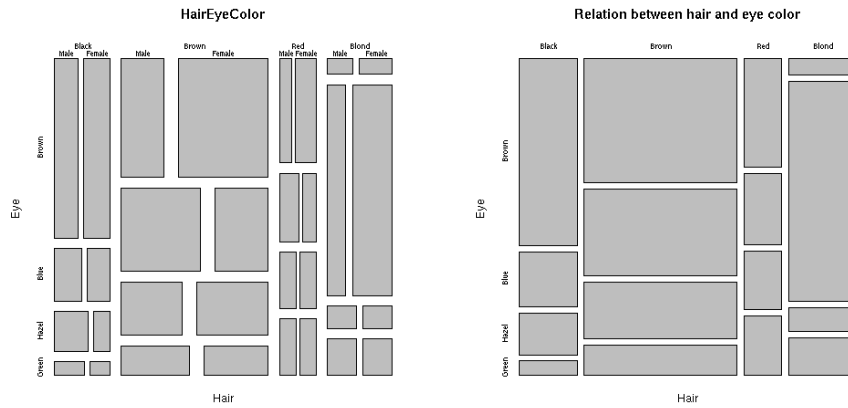
5.3 DNase : Elisa assay of DNase



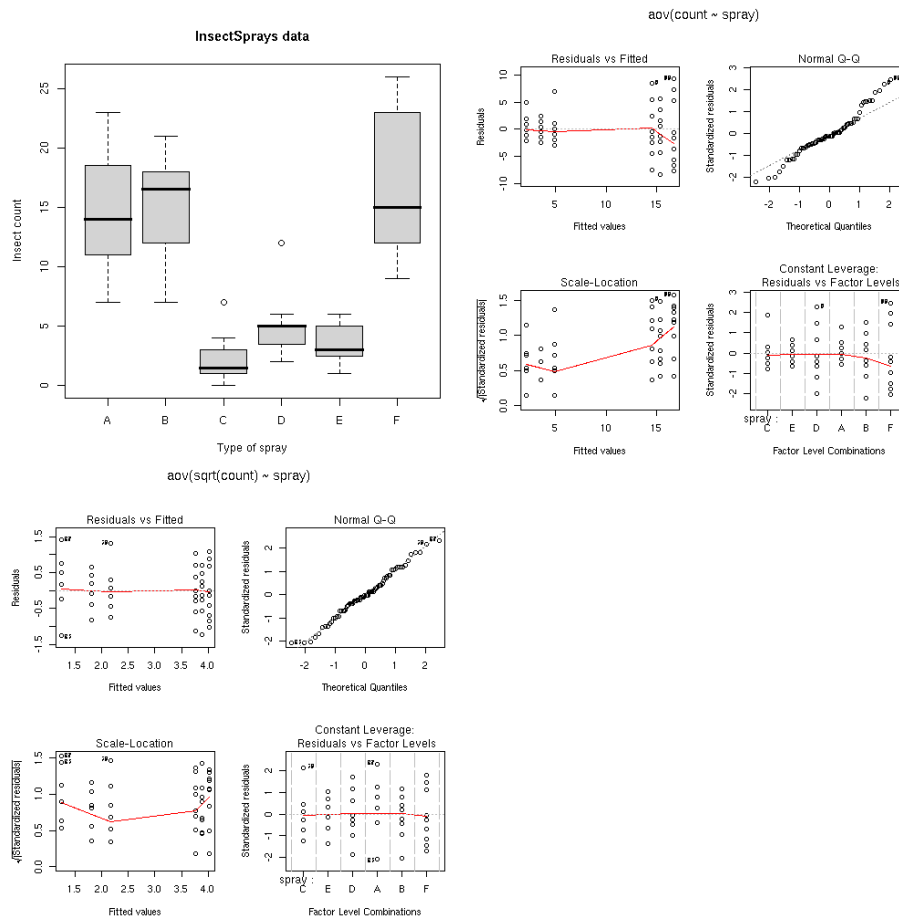
5.4 Formaldehyde : Determination of Formaldehyde



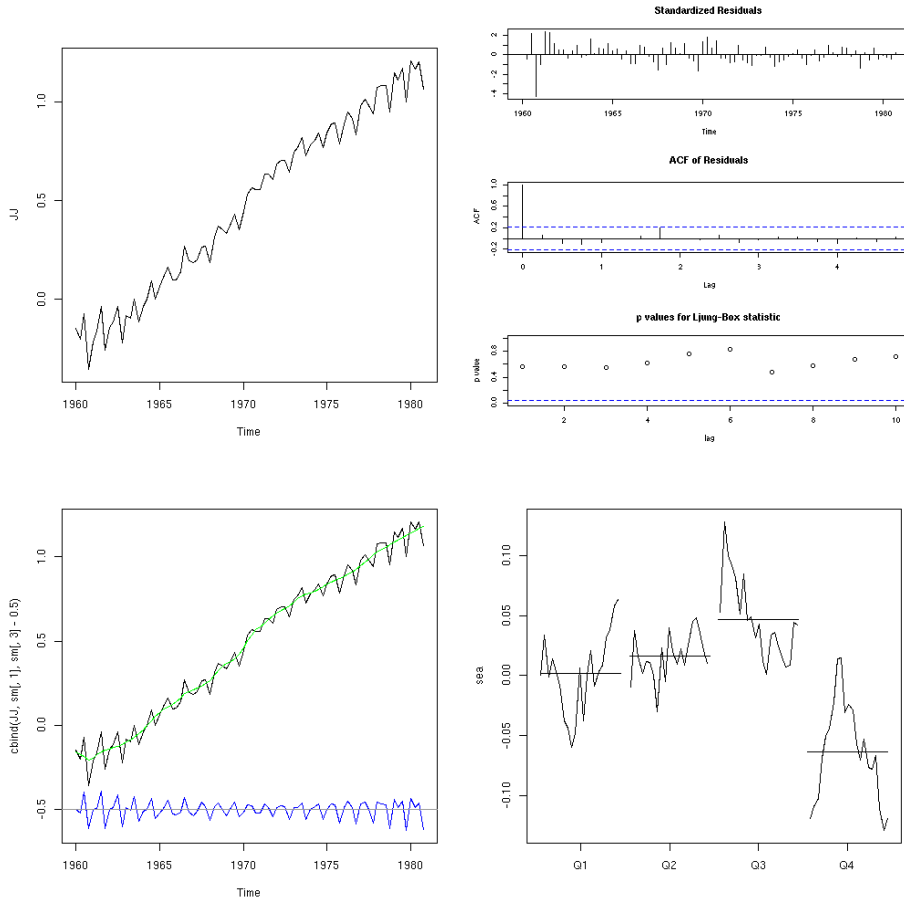
5.5 HairEyeColor : Hair and Eye Color of Statistics Students



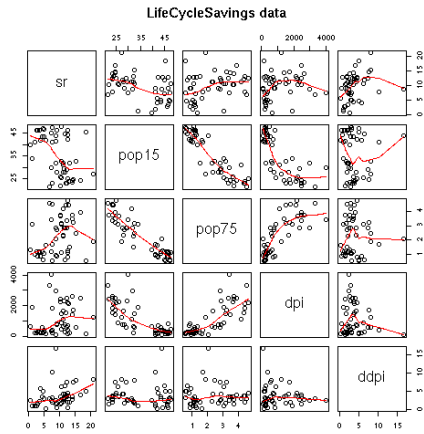
5.6 InsectSprays : Effectiveness of Insect Sprays



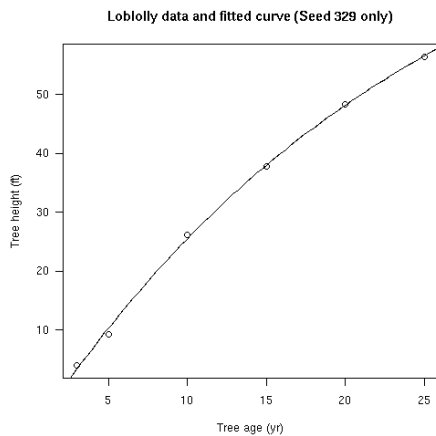
5.7 JohnsonJohnson : Quarterly Earnings per Johnson & Johnson Share



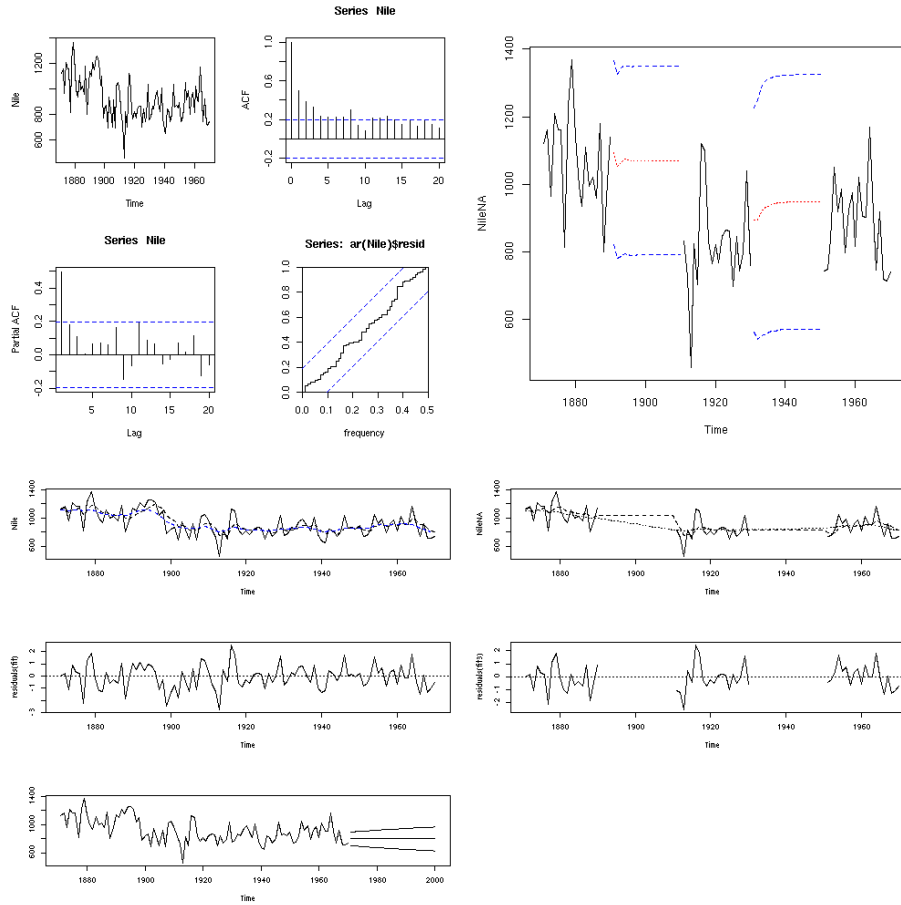
5.8 LifeCycleSavings : Intercountry Life-Cycle Savings Data



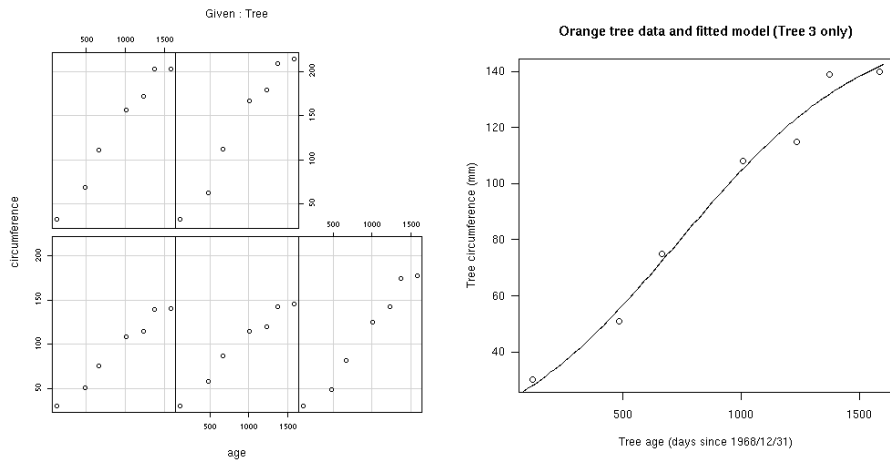
5.9 Loblolly : Growth of Loblolly pine trees



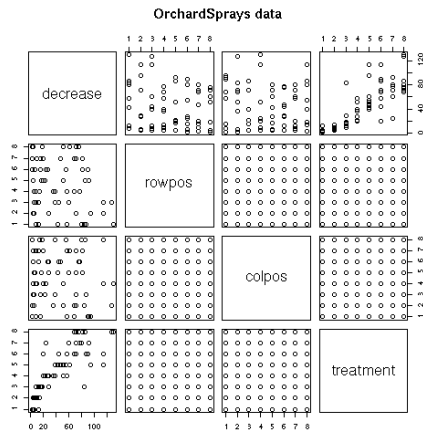
5.10 Nile : Flow of the River Nile



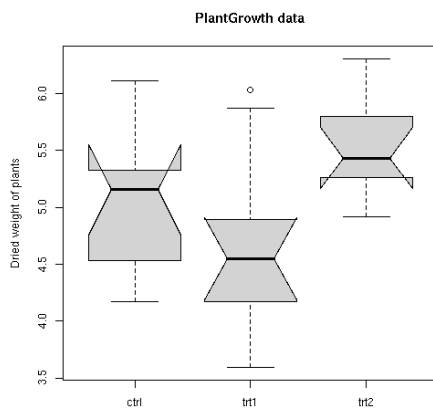
5.11 Orange : Growth of orange trees



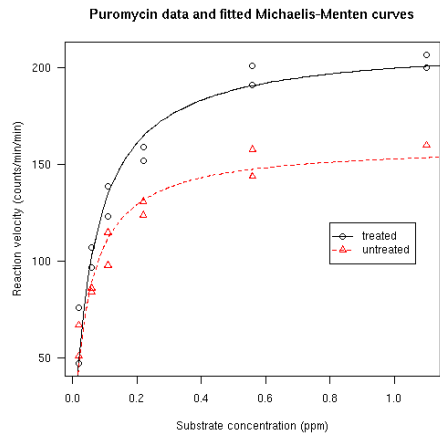
5.12 OrchardSprays : Potency of Orchard Sprays



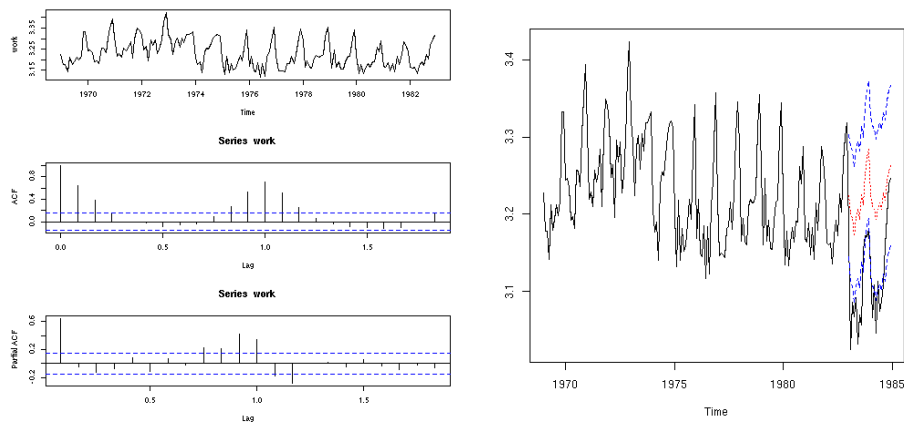
5.13 PlantGrowth : Results from an Experiment on Plant Growth



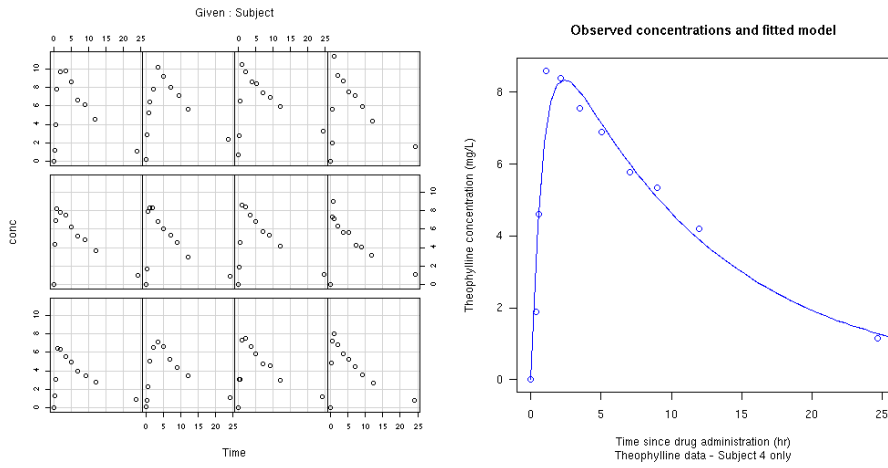
5.14 Puromycin : Reaction velocity of an enzymatic reaction



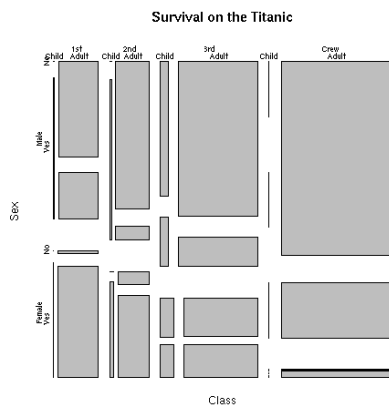
5.15 Seatbelts : Road Casualties in Great Britain 1969-84



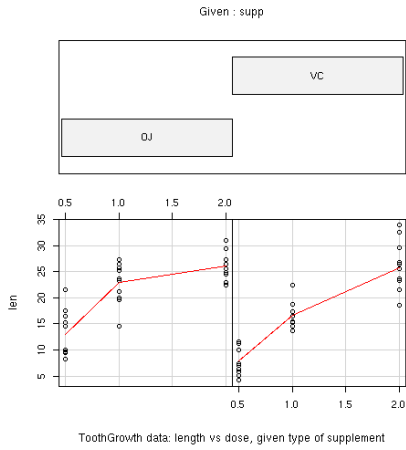
5.16 Theoph : Pharmacokinetics of theophylline



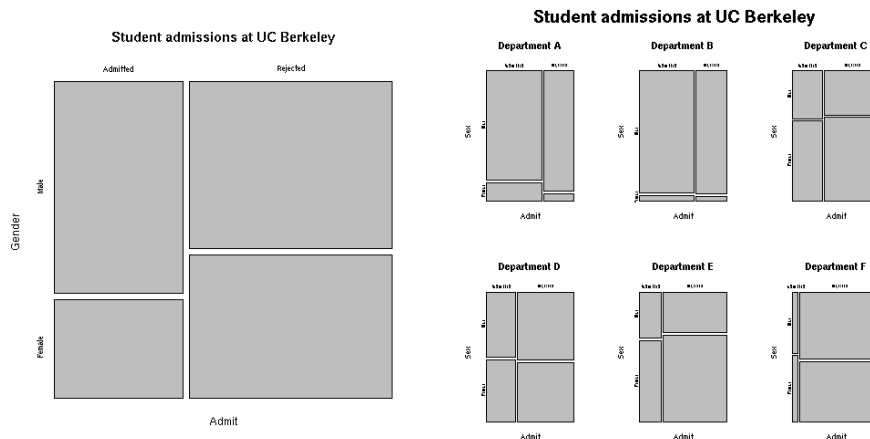
5.17 Titanic : Survival of passengers on the Titanic



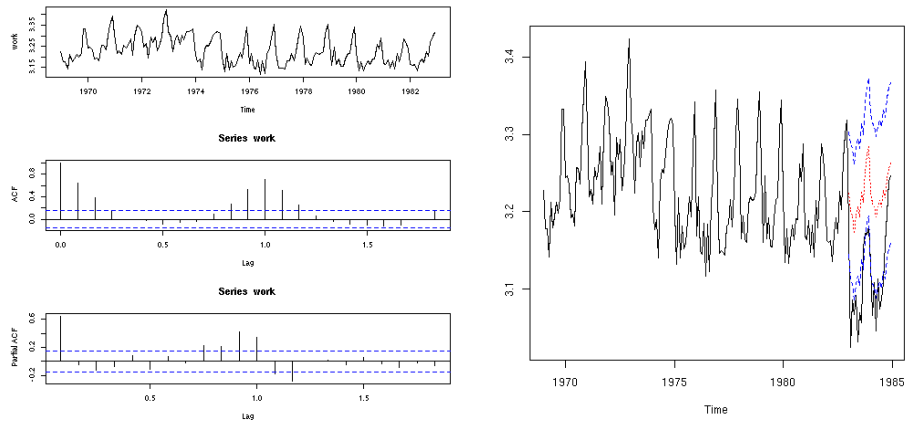
5.18 ToothGrowth : The Effect of Vitamin C on Tooth Growth in Guinea Pigs



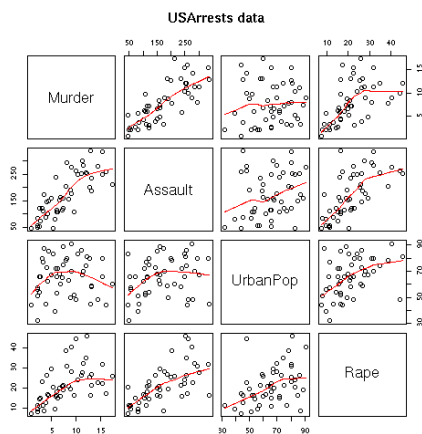
5.19 UCBA admissions : Student Admissions at UC Berkeley



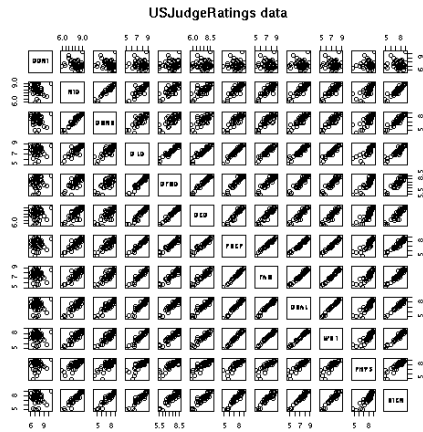
5.20 UKDriverDeaths : Road Casualties in Great Britain 1969-84



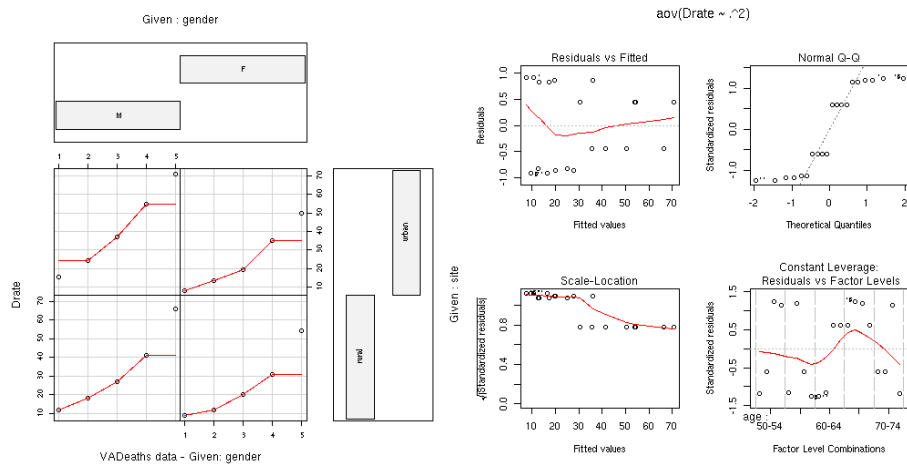
5.21 USArrests : Violent Crime Rates by US State



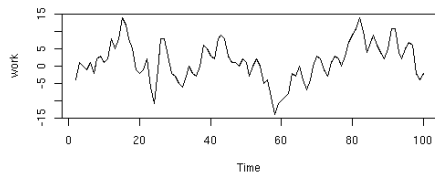
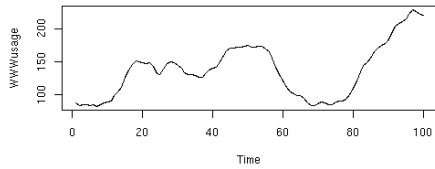
5.22 USJudgeRatings : Lawyers' Ratings of State Judges in the US Superior Court



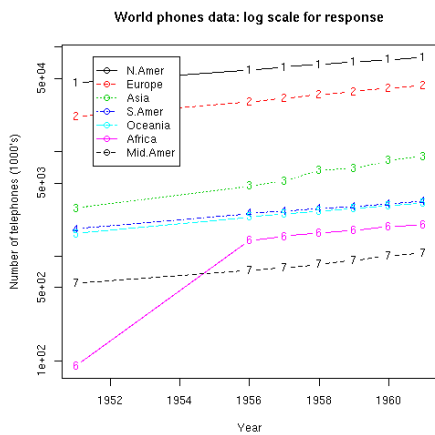
5.23 VADeaths : Death Rates in Virginia (1940)



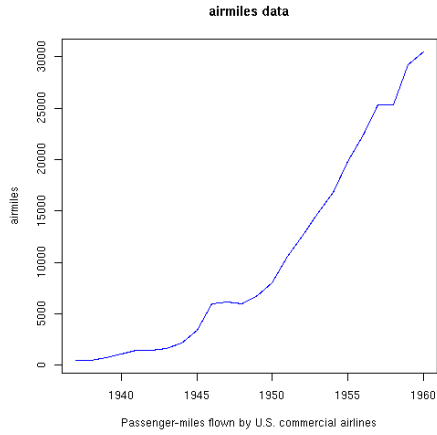
5.24 WWWusage : Internet Usage per Minute



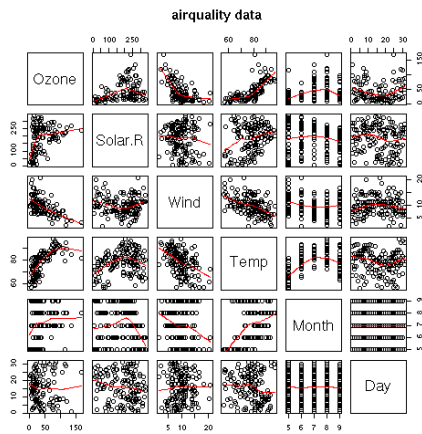
5.25 WorldPhones : The World's Telephones



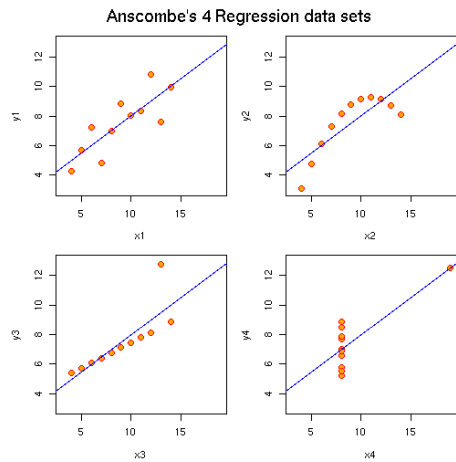
5.26 airmiles : Passenger Miles on Commercial US Airlines, 1937-1960



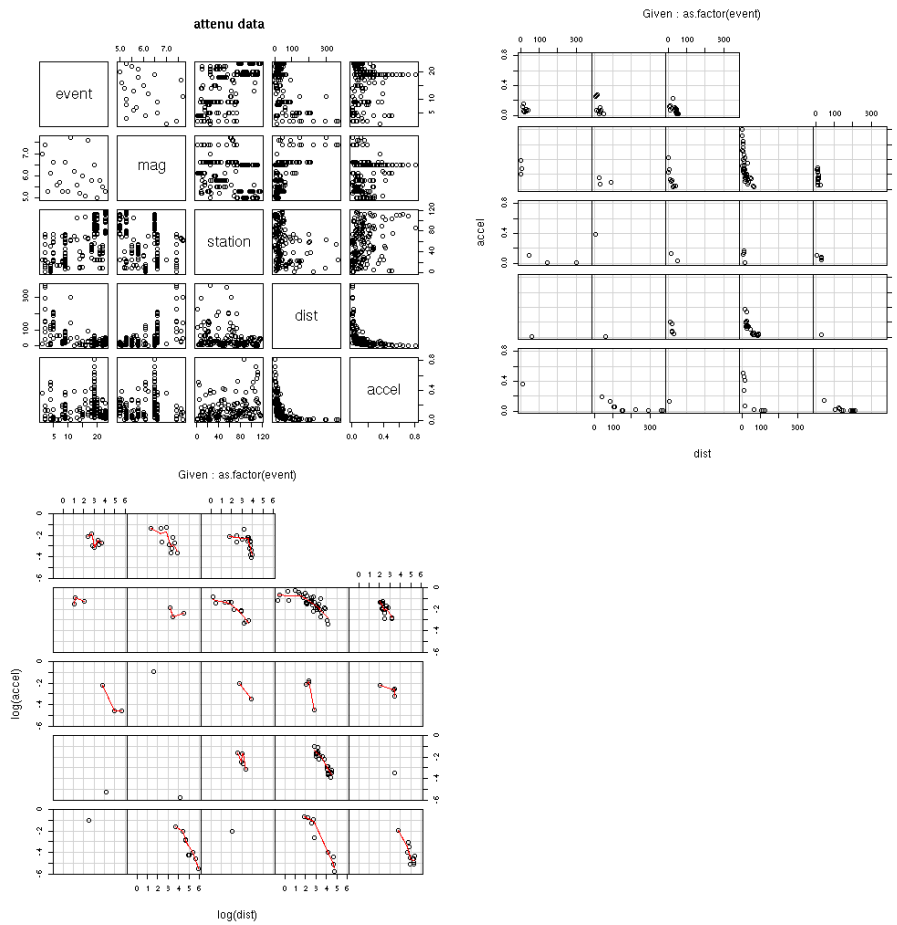
5.27 airquality : New York Air Quality Measurements



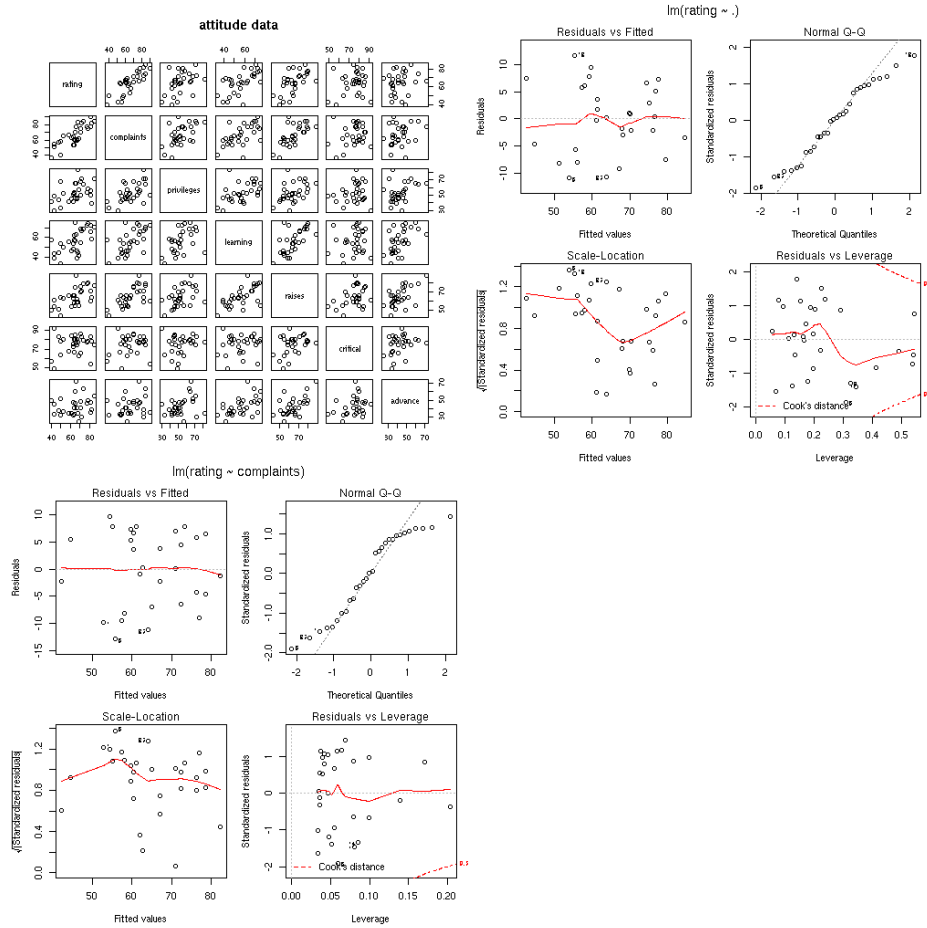
5.28 anscombe : Anscombe's Quartet of "Identical" Simple Linear Regressions



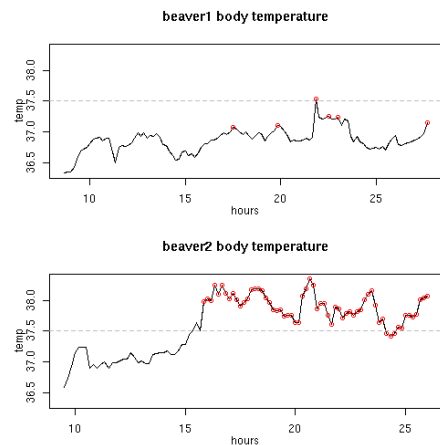
5.29 attenu : The Joyner-Boore Attenuation Data



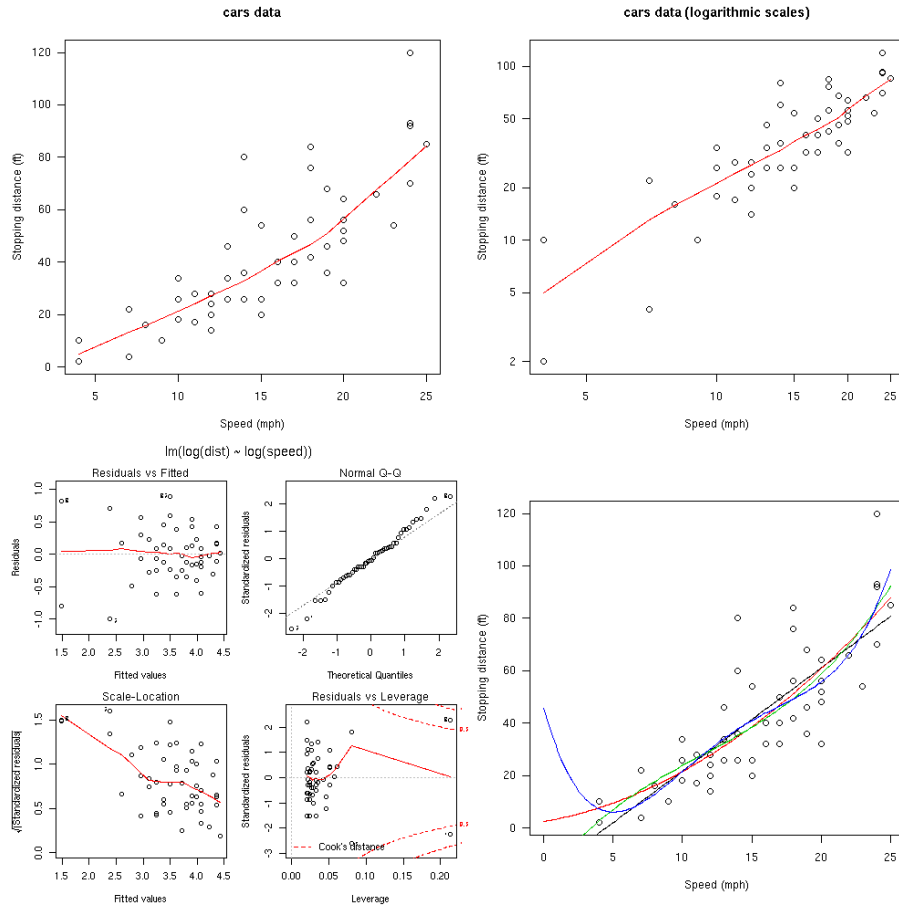
5.30 attitude : The Chatterjee-Price Attitude Data



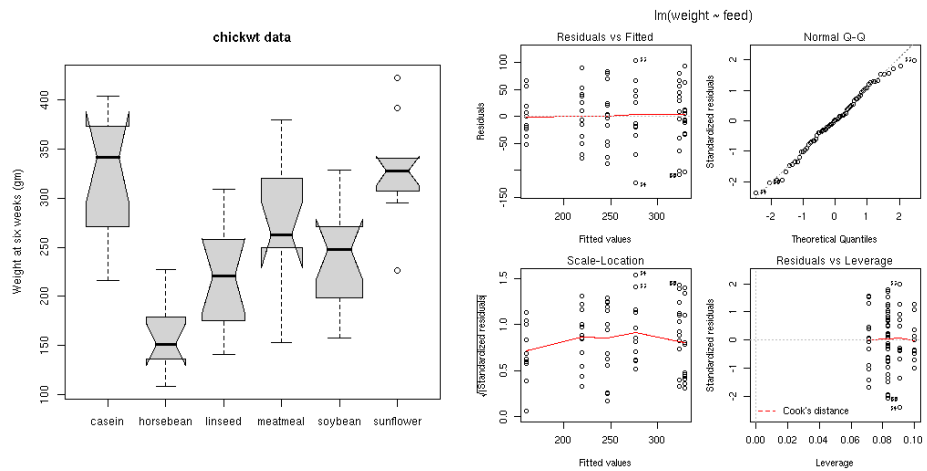
5.31 beavers : Body Temperature Series of Two Beavers



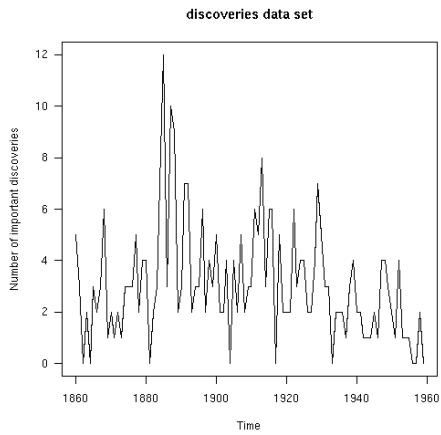
5.32 cars : Speed and Stopping Distances of Cars



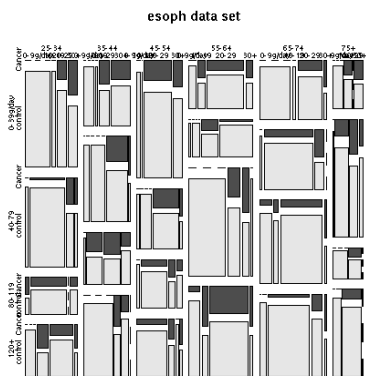
5.33 chickwts : Chicken Weights by Feed Type



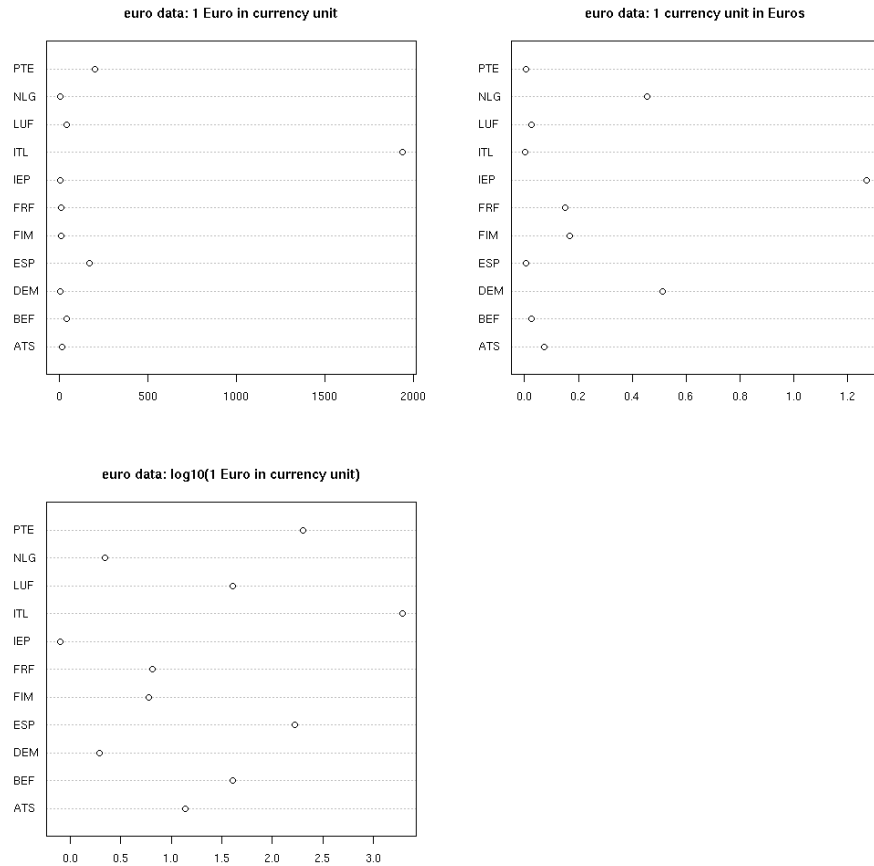
5.34 discoveries : Yearly Numbers of Important Discoveries



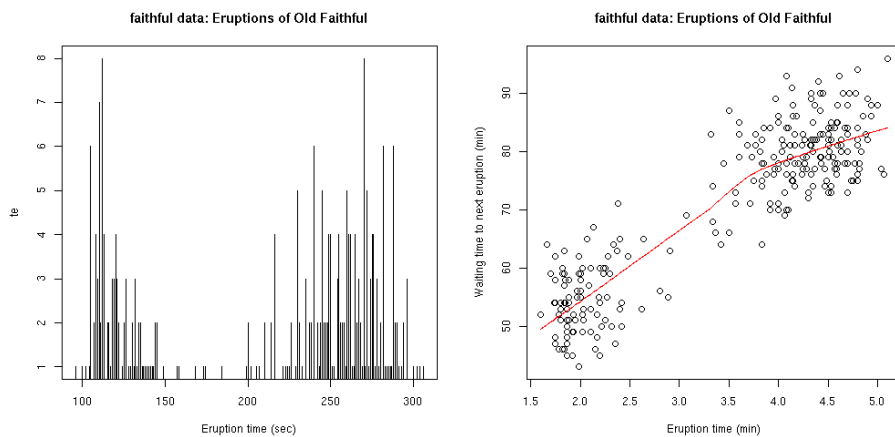
5.35 esoph : Smoking, Alcohol and (O)esophageal Cancer



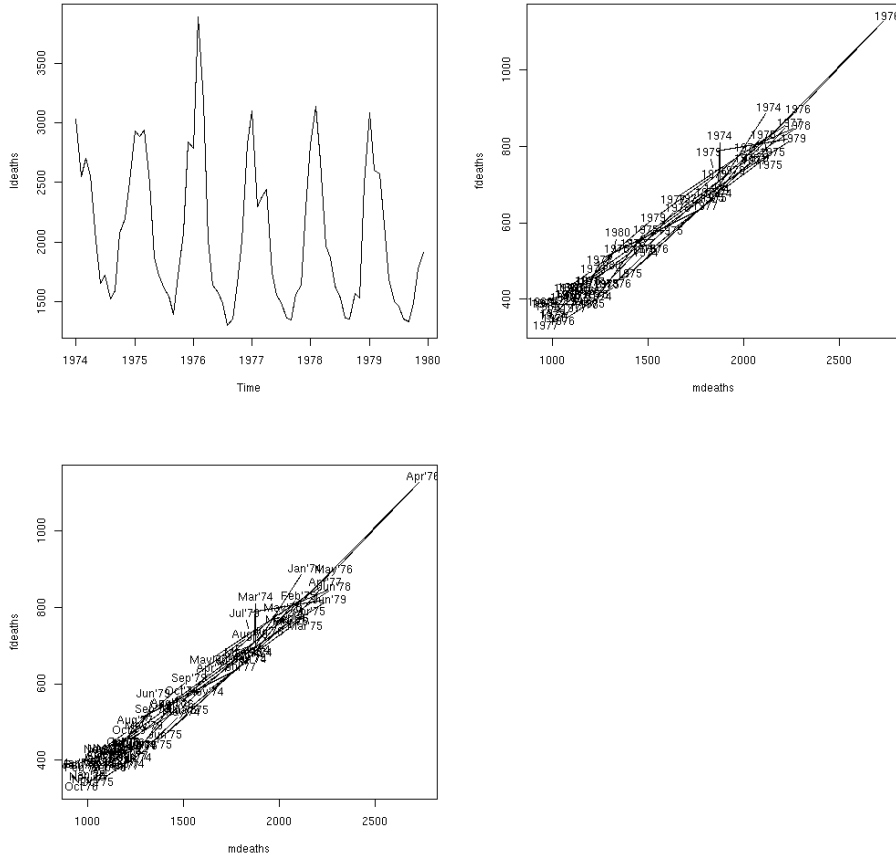
5.36 euro : Conversion Rates of Euro Currencies



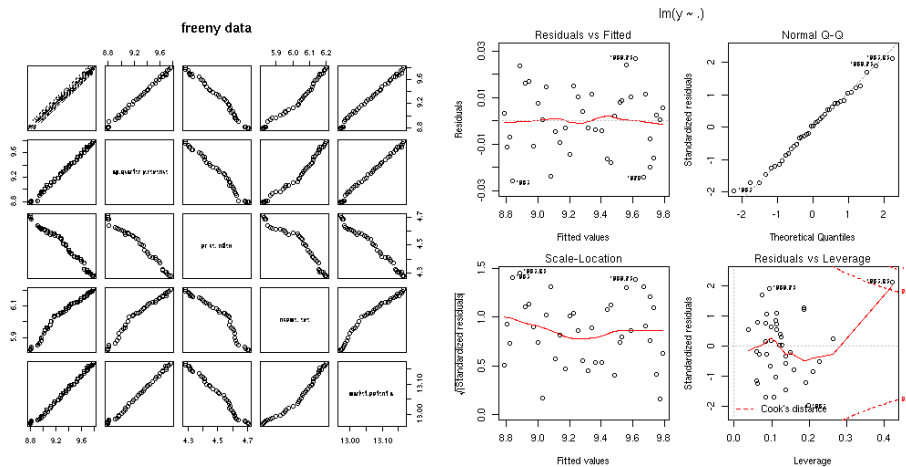
5.37 faithful : Old Faithful Geyser Data



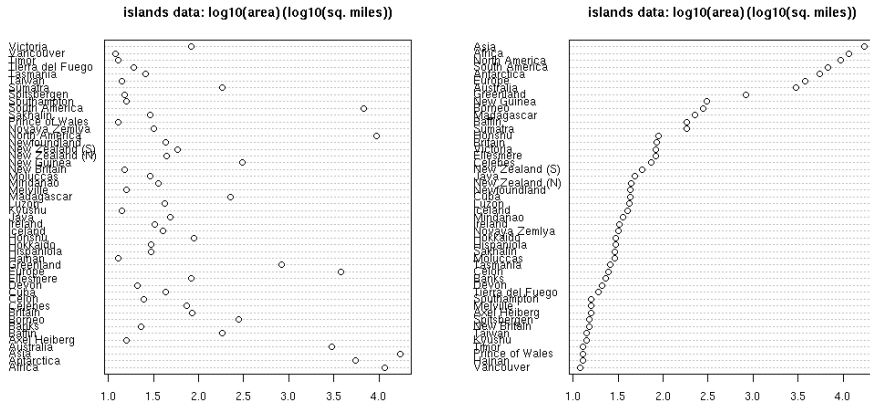
5.38 UKLungDeaths : Monthly Deaths from Lung Diseases in the UK



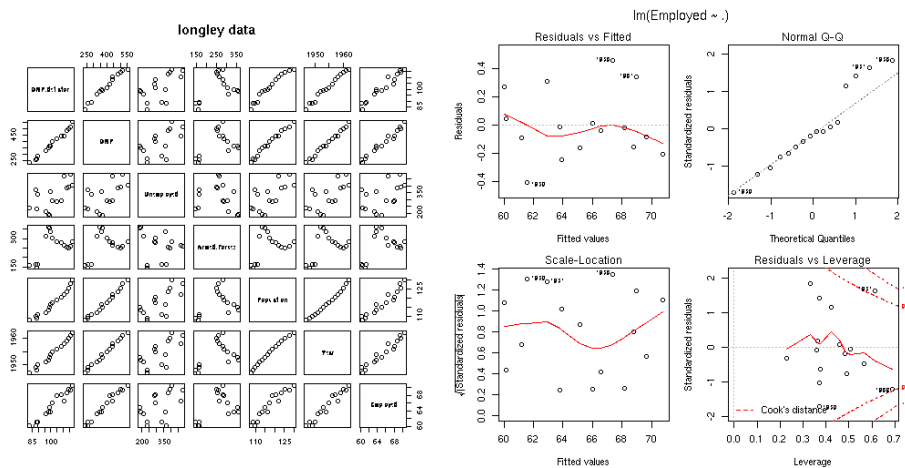
5.39 freeny : Freeny's Revenue Data



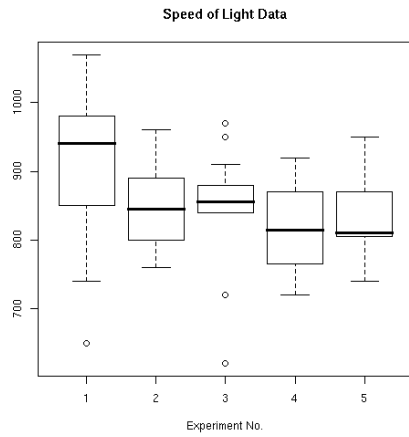
5.40 islands : Areas of the World's Major Landmasses



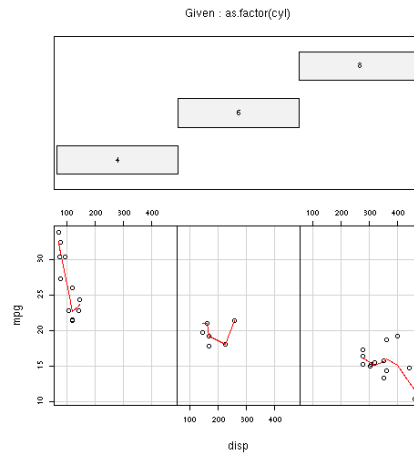
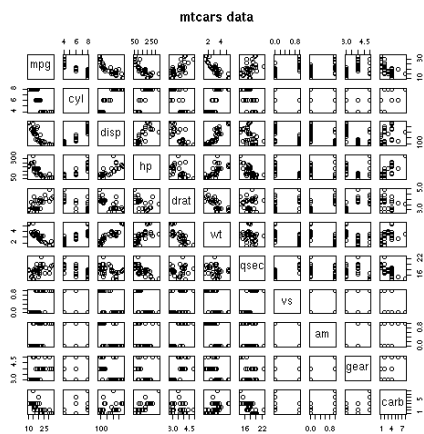
5.41 longley : Longley's Economic Regression Data



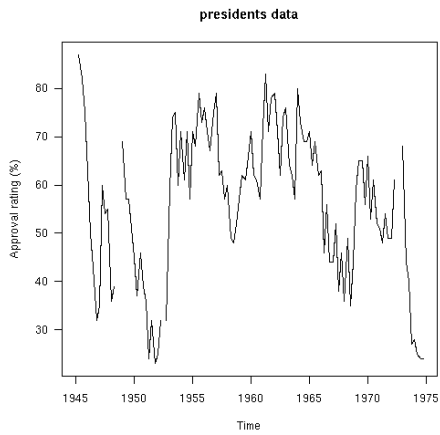
5.42 morley : Michaelson-Morley Speed of Light Data



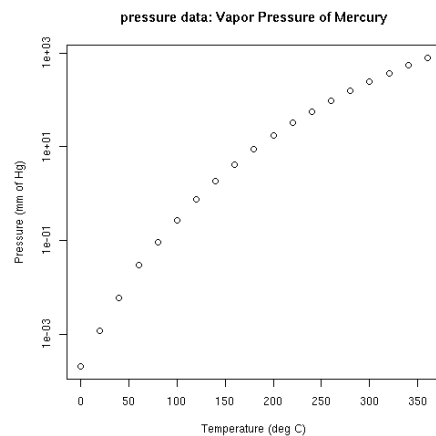
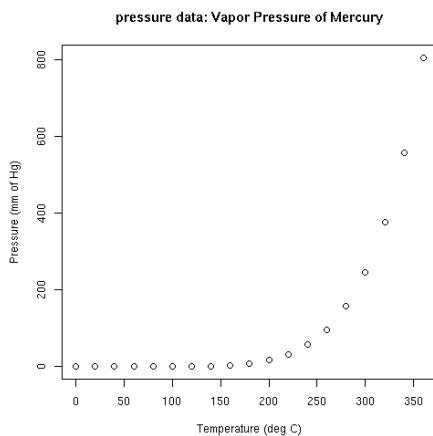
5.43 mtcars : Motor Trend Car Road Tests



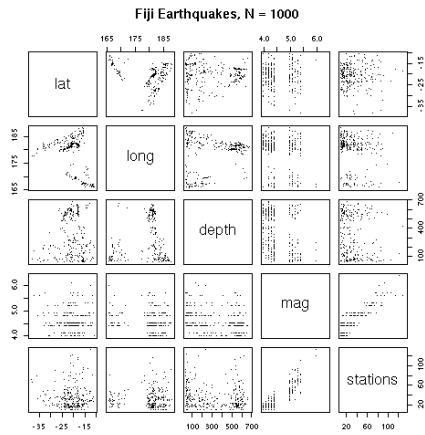
5.46 presidents : Quarterly Approval Ratings of US Presidents



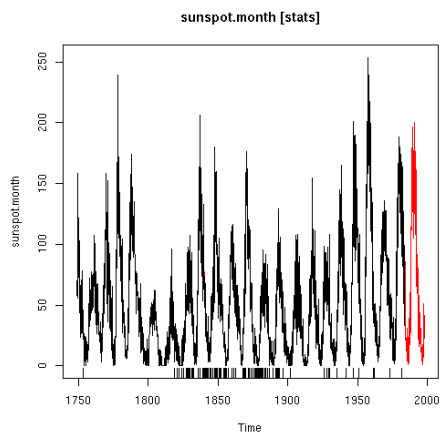
5.47 pressure : Vapor Pressure of Mercury as a Function of Temperature



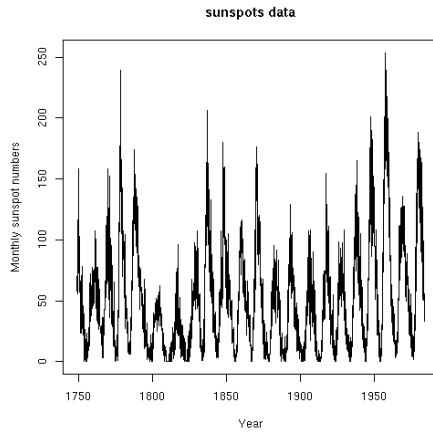
5.48 quakes : Locations of Earthquakes off Fiji



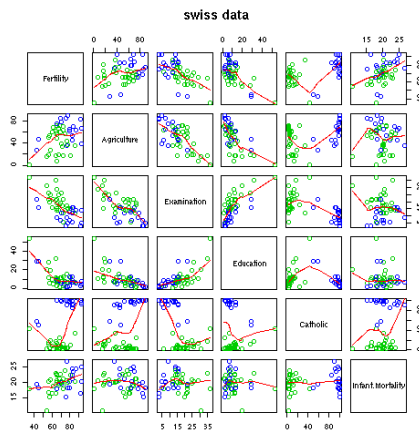
5.49 sunspot.month : Monthly Sunspot Data, 1749-1997



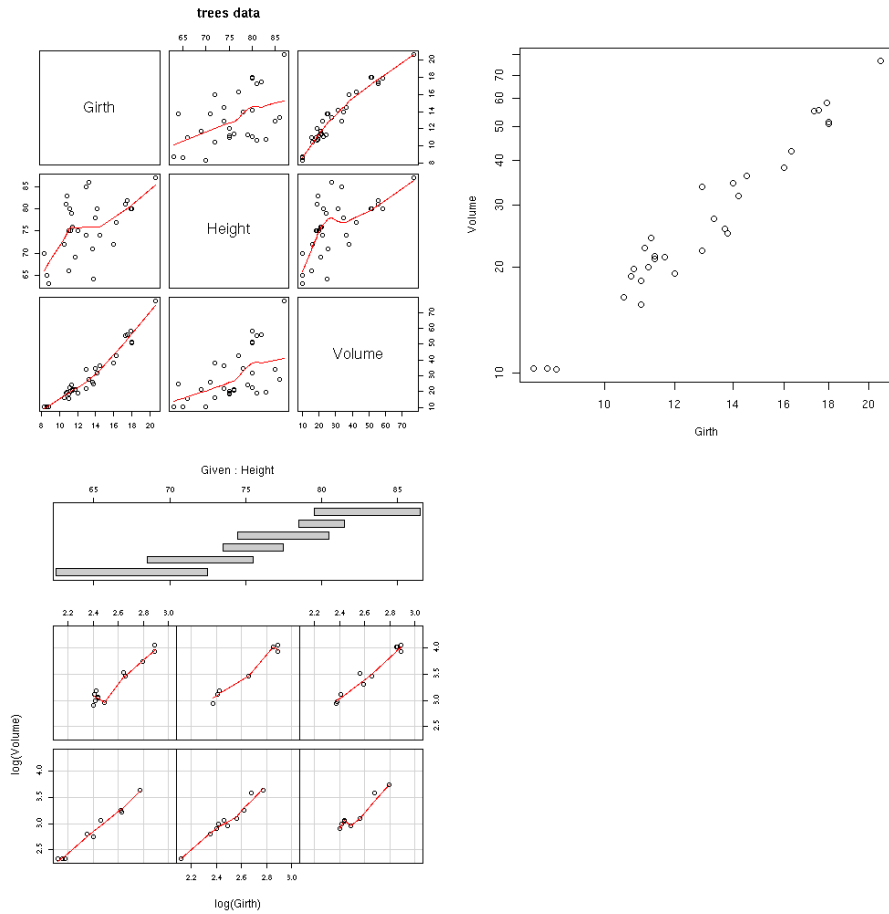
5.50 sunspots : Monthly Sunspot Numbers, 1749-1983



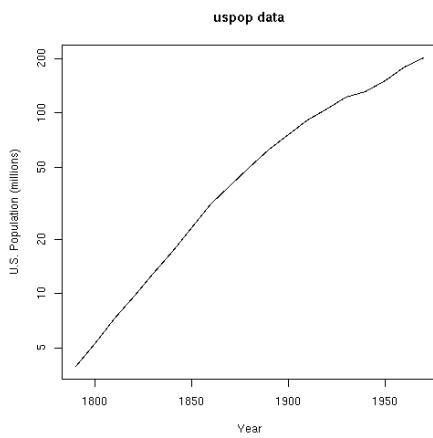
5.51 swiss : Swiss Fertility and Socioeconomic Indicators (1888) Data



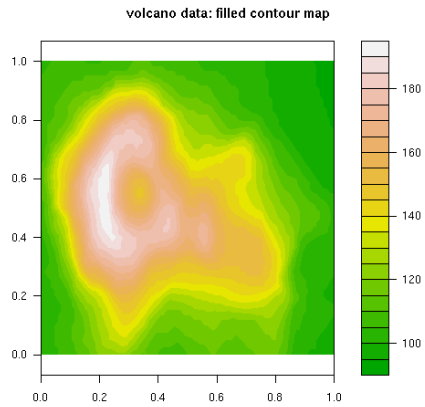
5.52 trees : Girth, Height and Volume for Black Cherry Trees



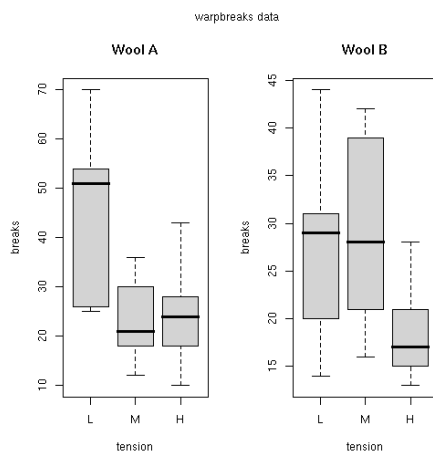
5.53 uspop : Populations Recorded by the US Census



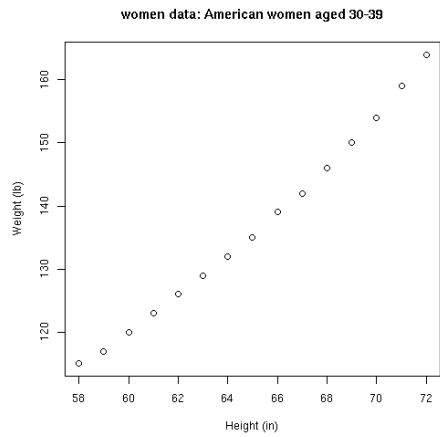
5.54 volcano : Topographic Information on Auckland's Maunga Whau Volcano



5.55 warpbreaks : The Number of Breaks in Yarn during Weaving

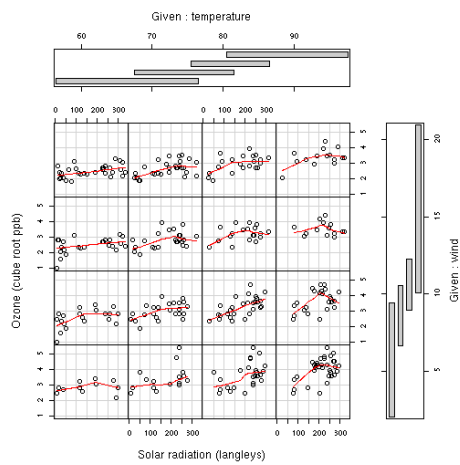


5.56 women : Average Heights and Weights for American Women



6 lattice 0.13-8

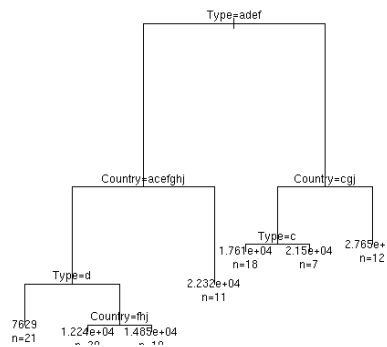
6.1 environmental : Atmospheric environmental conditions in New York City



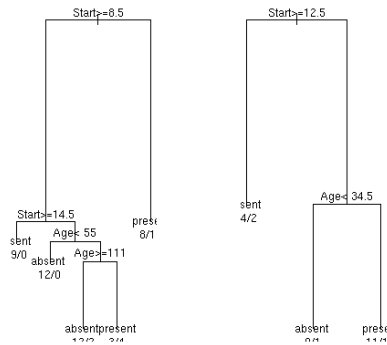
7 nlme 3.1-71

8 rpart 3.1-29

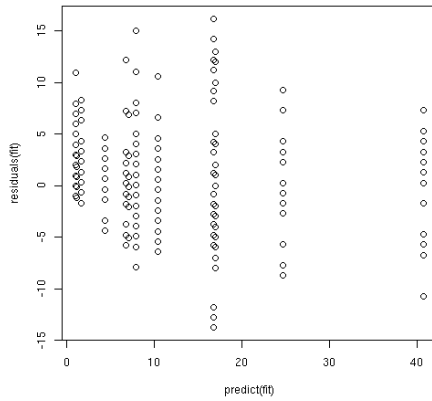
8.1 cu.summary : Automobile Data from 'Consumer Reports' 1990



8.2 kyphosis : Data on Children who have had Corrective Spinal Surgery



8.3 solder : Soldering of Components on Printed-Circuit Boards



9 survival 2.24