

## ANOVA Models

C	Factor with Chosen Contrasts
alias	Aliases (Dependencies) in a Model - Generic function
alias.aovlist	Alias Method for Multiple Strata Analysis of Variance
alias.design	Alias Method for Design Objects
anova	Compute an Anova Table - Generic function
aov	Fit an Analysis of Variance Model
aov.genyates	Analysis of Variance for Balanced Designs
aov.object	Analysis of Variance Objects
aovlist.object	Analysis of Variance Objects
contr.helmert	Contrast or Dummy Variable Matrix
contr.poly	Contrast or Dummy Variable Matrix
contr.sum	Contrast or Dummy Variable Matrix
contr.treatment	Contrast or Dummy Variable Matrix
contrasts	Contrasts Attribute
contrasts<-	Contrasts Attribute
design	Generate a Design Object
design.object	Design Objects
design.table	Arrange Response as a Array
eff.aovlist	Compute Efficiency Factors for aovlist Model Terms
fac.design	Generate Factorial Designs
factor.names	Factor and Level Names
factor.names<-	Factor and Level Names
fractionate	Produce a Fractional Factorial Design
friedman.test	Friedman Rank Sum Test
interaction	Compute the Interaction of Several Factors
interaction.plot	Two-Way Interaction Plots
is.random	Random Factors
kruskal.test	Kruskal-Wallis Rank Sum Test
manova	Fit a Multivariate Analysis of Variance Model
maov.object	Analysis of Variance Objects
model.tables	Compute Tables of Estimates for Model Object - Generic function
model.tables.aov	Tables of Means and Effects for ANOVA Models
model.tables.aovlist	Tables of Means and Effects for ANOVA Models
multicomp	Multiple Comparisons
multicomp.default	Multiple Comparisons
multicomp.lm	Multiple Comparisons
oa.design	Generate an Orthogonal Array Design
plot.design	Plot a Function of Each Level of Factors or Terms
plot.factor	Summary Plots by Factors
plot.varcomp	Plot of Random Components
proj	Projection Matrix
proj.default	Projection Matrix
qdunnett	Quantiles for Dunnett's Comparisons with Control
qmvt	Quantiles for the Equicorrelated Multivariate-t Distribution
qmvt.sim	Simulation-based Quantiles of the Multivariate-t Distribution
qqnorm.aov	Normal or Half-Normal Plots of Effects
qqnorm.aovlist	Normal or Half-Normal Plots of Effects
qqnorm.maov	Normal or Half-Normal Plots of Effects
qtukey	Quantiles of Tukey's Studentized Range Distribution
randomize	Random Ordering for the Runs of a Design
raov	Random Effects Analysis of Variance
replications	Number of Replications of Terms
se.contrast	Standard Errors for Contrasts among Model Terms - Generic Function
se.contrast.aov	Standard Errors for Contrasts between Means
se.contrast.aovlist	Standard Errors for Contrasts between Means

summary.aov	Summary of an Analysis of Variance Object
summary.aovlist	Summary of an Analysis of Variance Object
summary.manova	Create a Manova Table
varcomp	Variance Components
varcomp.object	Variance Component Objects

## Add to Existing Plot

abline	Plot Line in Intercept-Slope Form
abline.default	Plot Line in Intercept-Slope Form
arrows	Plot Disconnected Line Segments or Arrows
axes	Plot Titling Information and/or Axis Labels
axis	Add an Axis to the Current Plot
box	Add a Box Around a Plot
boxes	Boxplots at Specified Locations
contour	Contour Plot
contour.old	Contour Plot
double.buffer	Control double buffering of graphics window for dynamic graphics
hex.legend	Add a Legend Hexagonal Lattice Plot
hexagons	Add Hexagonal Cells to Plot of "hexbin" Object
identify	Identify Points on Plot - Generic Function
identify.default	Identify Points on Plot - Generic Function
identify.hexbin	Identify Points On a Hexagonal Binned Plot
image	Plot a Grayscale or Color Image
image.legend	Add a Legend to an Image Plot
key	Put a Key or Legend on a Plot
labclust	Label a Cluster Plot
labels	Labels for Printing or Plotting - Generic function
labels.default	Labels for Printing or Plotting - Generic function
legend	Put a Legend on a Plot
lines	Add Lines or Points to Current Plot
matlines	Plot Columns of Matrices
matplot	Plot Columns of Matrices
matpoints	Plot Columns of Matrices
mtext	Text in the Margins of a Plot
panel.smooth	Smoothing Scatterplots on Multipanel Displays
perspp	Project Points onto Three-Dimensional Perspective Plots
plotlabels	Labels for Printing or Plotting - Generic function
plotlabels.default	Labels for Printing or Plotting - Generic function
points	Add Lines or Points to Current Plot
polygon	Shade in a Polygonal Figure
qqline	Produce a Line through a Normal QQ-Plot
rug	Add a Rug to a Plot
segments	Plot Disconnected Line Segments or Arrows
stamp	Time Stamp Output, Graph, and Audit File
subplot	Add a Plot to an Existing Plot
symbols	Draw Symbols on a Plot
text	Plot Text
text.default	Plot Text
text.tree	Place Text on a Dendrogram
title	Plot Titling Information and/or Axis Labels
tslines	Plot Multiple Time Series
tsplot	Plot Multiple Time Series
tspoints	Plot Multiple Time Series
usa	United States Coastline and State Boundaries

## Bootstrapping

bootstats	Calculate Bootstrap Statistics
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bootstrap	General Nonparametric Bootstrapping
jack.after.bootstrap	Perform Jackknife-After-Bootstrap
limits.bca	Calculate BCa Percentiles
limits.emp	Calculate Empirical Percentiles of Replicates
plot.jack.after.bootstrap	Influence Plot Using Jackknife-After-Bootstrap
plot.resamp	Plot Method for Resample Objects
print.jack.after.bootstrap	Print a Jackknife-After-Bootstrap Object
print.resamp	Print a Resample Object
print.summary.bootstrap	Print a Summary of Bootstrap Object
print.summary.resamp	Print a Summary of Resample Object
qqnorm.resamp	Quantile-Quantile Plots for Resample Objects
resamp.get.dimnames	Helper Functions for Bootstrap and Jackknife
resamp.get.fit.func	Helper Functions for Bootstrap and Jackknife
resamp.get.indices	Helper Functions for Bootstrap and Jackknife
samp.boot.bal	Construct Matrix of Resamples
samp.boot.mc	Construct Matrix of Resamples
samp.permute	Construct Matrix of Resamples
summary.bootstrap	Summary Method for Bootstrap Objects
summary.resamp	Summary Method for Resample Objects
update.bootstrap	Add New Replicates to Bootstrap Object

## Categorical Data

Ops.data.frame	Ops Group Method for Data Frame Objects
Ops.factor	Ops Group Method for Factors and Ordered Factors
Ops.ordered	Ops Group Method for Factors and Ordered Factors
Subscript.factor	Subscript a Factor Object
[.factor	Subscript a Factor Object
[<-.factor	Subscript a Factor Object
aggregate	Compute Summary Statistics of Subsets of Data
aggregate.data.frame	Compute Column by Column Summaries of Groups of Observations in Data Frame
aggregate.default	Compute Summary Statistics of Subsets of Data
as.factor	Create Factor Object
as.ordered	Create or Modify Ordered Factors
by	Split a Dataset by Factors and Apply a Function to the Parts
by.data.frame	Split a Dataset by Factors and Apply a Function to the Parts
by.default	Split a Dataset by Factors and Apply a Function to the Parts
codes	Codes of an Ordered Factor
crosstabs	Create a Contingency Table from Factor Data
cut	Create Category by Cutting Continuous Data
cut.dates	Create a Factor from a Dates Object
cut.default	Create Category by Cutting Continuous Data
factor	Create Factor Object
glim	Generalized Linear Models via Maximum Likelihood
glim.print	Print the Results of a glim Fit
is.factor	Create Factor Object
is.ordered	Create or Modify Ordered Factors
levels	Levels Attribute
levels.factor	Levels Attribute for Factor Objects.
levels<-.factor	Levels Attribute for Factor Objects.
loglin	Contingency Table Analysis
merge.levels	Merge the Levels of a Factor
ordered	Create or Modify Ordered Factors
ordered<-	Create or Modify Ordered Factors
ordered<- .default	Create or Modify Ordered Factors
print.crosstabs	Print Output of crosstabs Function
rowsum	Row Sums of a Matrix, Based on a Grouping Variable.
split	Split Data by Groups

table	Create Contingency Table from Categories
tabulate	Count Entries in Bins
tapply	Apply a Function to a Ragged Array

## Character Data Operations

AsciiToInt	Convert ASCII Characters to Decimal Representation
as.character	Character Objects
casefold	Convert Case of Character Strings
character	Character Objects
charmatch	Partial Matching of Character Strings
format	Formatted Character Data
format.default	Format Atomic Data
grep	Search for Pattern in Text
is.all.white	Test for White Space
is.character	Character Objects
match	Match Items in Vector - Generic function
nchar	Lengths of Character Strings
paste	Concatenate Data to Make Character Data
pmatch	Partial Matching of Character Items in a Vector
print.char.matrix	Print a char.matrix Object to Make a Formatted Table
regexpr	Pattern Matching in Strings
rlc	Run Length Encoding
sort	Sort into Ascending Numeric or Alphabetic Order
string.bounding.box	Bounding Boxes of Multiline Strings
string.break.line	Change Strings with Line Breaks into Multiple Strings
substring	Get Portions of Character Strings
tempfile	Create Unique Names for Files

## Clustering

agnes	Agglomerative Nesting
agnes.object	Agglomerative Nesting Object
clara	Clustering Large Applications
clara.object	Clustering Large Applications Object
clorder	Re-Order Leaves of a Cluster Tree
cluster	Identify clusters.
cutree	Create Groups from Hierarchical Clustering
daisy	Dissimilarity Matrix Calculation
diana	Divisive Analysis
diana.object	Divisive Analysis Object
dissimilarity.object	Dissimilarity Matrix Object
dist	Distance Matrix Calculation
fanny	Fuzzy Analysis
fanny.object	Fuzzy Analysis Object
hclust	Hierarchical Clustering
kmeans	Hartigan's K-Means Clustering
labclust	Label a Cluster Plot
mclass	Classification Produced By mclust
mclust	Model-based Hierarchical Clustering
mona	Monothetic Analysis
mona.object	Monothetic Analysis Object
mreloc	Iterative Relocation For mclust/^ mclass'
pam	Partitioning Around Medoids
pam.object	Partitioning Around Medoids Object
partition.object	Partitioning Object
plclust	Plot Trees From Hierarchical Clustering
plot.agnes	Banner Of Agglomerative Hierarchical Clusterings
plot.diana	Banner Of Divisive Hierarchical Clusterings

plot.mona	Banner Of Monothetic Divisive Hierarchical Clusterings
plot.partition	Silhouette Plot Of Nonhierarchical Clusterings
pltree	Clustering Trees - Generic Function
pltree.agnes	Clustering Tree Of Agglomerative Hierarchical Clusterings
pltree.diana	Clustering Tree Of Divisive Hierarchical Clusterings
print.agnes	Use print() on an `agnes' object
print.clara	Use print() on a `clara' object
print.diana	Use print() on a `diana' object
print.dissimilarity	Use print() on a `dissimilarity' object
print.fanny	Use print() on a `fanny' object
print.mona	Use print() on a `mona' object
print.pam	Use print() on a `pam' object
print.summary.agnes	Use print() on a `summary.agnes' object
print.summary.clara	Use print() on a `summary.clara' object
print.summary.diana	Use print() on a `summary.diana' object
print.summary.fanny	Use print() on a `summary.fanny' object
print.summary.mona	Use print() on a `summary.mona' object
print.summary.pam	Use print() on a `summary.pam' object
subtree	Extract Part of a Cluster Tree
summary.agnes	Summary method for agnes objects
summary.clara	Summary method for clara objects
summary.diana	Summary method for diana objects
summary.fanny	Summary Method for fanny Objects
summary.mona	Summary Method for mona Objects
summary.pam	Summary Method for pam Objects

## Complex Numbers

%%	Arithmetic Operators
%/%	Arithmetic Operators
*	Arithmetic Operators
+	Arithmetic Operators
-	Arithmetic Operators
.Uminus	Arithmetic Operators
/	Arithmetic Operators
Arg	Basic Complex Number Manipulation
Arithmetic	Arithmetic Operators
Complex	Basic Complex Number Manipulation
Conj	Basic Complex Number Manipulation
Im	Basic Complex Number Manipulation
Mod	Basic Complex Number Manipulation
Re	Basic Complex Number Manipulation
^	Arithmetic Operators
acos	Inverse Trigonometric Functions
acosh	Inverse Hyperbolic Trigonometric Functions
as.complex	Complex Valued Objects
asin	Inverse Trigonometric Functions
asinh	Inverse Hyperbolic Trigonometric Functions
atan	Inverse Trigonometric Functions
atanh	Inverse Hyperbolic Trigonometric Functions
complex	Complex Valued Objects
cos	Trigonometric Functions
cosh	Hyperbolic Trigonometric Functions
exp	Exponential Functions
fft	Fast Fourier Transform
gamma	Gamma Function (and its Natural Logarithm)
is.complex	Complex Valued Objects
lgamma	Gamma Function (and its Natural Logarithm)

log	Exponential Functions
log10	Exponential Functions
polyroot	Find the Roots of a Polynomial
sin	Trigonometric Functions
sinh	Hyperbolic Trigonometric Functions
sqrt	Exponential Functions
tan	Trigonometric Functions
tanh	Hyperbolic Trigonometric Functions

## Computations Related to Plotting

AsciiToInt	Convert ASCII Characters to Decimal Representation
acf	Estimate Autocovariance, Autocorrelation or Partial Autocorrelation
approx	Linear Interpolation of Points
axum.options	Control details of how new high level device drivers (axum,obj.graph) work
boxplot	Boxplots
chull	Convex Hull of a Planar Set of Points
co.intervals	Conditioning Intervals
density	Estimate Probability Density Function
hist	Plot a Histogram
hist.factor	Plot a Histogram
hist2d	Calculate Two-Dimensional Histogram
interp	Bivariate Interpolation for Irregular Data
ksmooth	Densities or Regressions Using Kernel Smoothers
lowess	Scatter Plot Smoothing
mapproject	Apply a Map Projection
mstree	Minimal Spanning Tree and Multivariate Planing
par	Graphical Parameters
persp.setup	Line Styles for Perspective Plots
plclust	Plot Trees From Hierarchical Clustering
plot.loess	Display of Fitted LOESS Models by Coplots
ppoints	Plotting Points for QQplots
preplot	Precompute a Plotting Object - Generic Function
preplot.loess	Display of Fitted LOESS Models by Coplots
pretty	Vector of Prettied Values
qqnorm	Quantile-Quantile Plots - Generic Function
qqnorm.default	Quantile-Quantile Plots - Generic Function
qqplot	Quantile-Quantile Plots - Generic Function
quickvu	Make Simple Vu-Graphs
range	Range of Data
spline	Cubic Spline Approximation
xysort	Rearrange x-y Data for Fast Plotting

## Data Attributes

attr	Attribute of an Object
attributes	All Attributes of an Object
class	Class Attribute of an Object
col	Column and Row Identification in a Matrix
dim	Dim Attribute of an Object
dim<-	Dim Attribute of an Object
dimnames	Dimnames Attribute of an Object
length	Length of a Vector or List
levels	Levels Attribute
mode	Data Mode of the Values in a Vector
names	Names Attribute of an Object
ncol	Extents of a Matrix
nrow	Extents of a Matrix
row	Column and Row Identification in a Matrix

slice.index	Slice Identification in an Array
storage.mode	Data Mode of the Values in a Vector
structure	An Object with Given Attributes
tsp	Tsp Attribute of a Time Series Object
unclass	Class Attribute of an Object

## Data Directories

->	Assign a Name to an Object
.First	Startup and Wrapup Actions
.First.lib	Shared Functions and Datasets
.First.local	Startup and Wrapup Actions
.Last	Startup and Wrapup Actions
.Last.lib	Shared Functions and Datasets
<-	Assign a Name to an Object
<<-	Assign a Name to an Object
Assignment	Assign a Name to an Object
_	Assign a Name to an Object
as.variable	Make Factor or Numeric Variable out of Vector
assign	Assign Object to Database or Frame
assign.default	Assign Object to Database or Frame
attach	Add to or View the Search List
attach.data.frame	Attach Method for Data Frame Objects
attach.default	Add to or View the Search List
attach.pframe	Attach Method for Data Frame Objects
cbind.data.frame	Build Data Frame from Columns
conflicts	Report on Conflicts Among Databases
data.dump	Produce Text Representations of S-PLUS Objects
data.restore	Bring Back Dumped Objects
database.attr	Utilities for Use with S-PLUS Databases
database.object	Utilities for Use with S-PLUS Databases
database.status	Utilities for Use with S-PLUS Databases
database.type	Utilities for Use with S-PLUS Databases
dbdetach	Database Manipulation Routines - Generic functions
dbexists	Database Manipulation Routines - Generic functions
dbobjects	Database Manipulation Routines - Generic functions
dbobjects.default	Database Manipulation Routines - Generic functions
dbread	Database Manipulation Routines - Generic functions
dbremove	Database Manipulation Routines - Generic functions
dbwrite	Database Manipulation Routines - Generic functions
detach	Detach Data from Search List
dget	Write a Text Representation of an S-PLUS Object
dput	Write a Text Representation of an S-PLUS Object
dump	Produce Text Representations of S-PLUS Objects
exists	Search for an S-PLUS Object
exists.default	Search for an S-PLUS Object
find	Find the Database that Contains an Object
fix	Fix a Function.
get	Search for an S-PLUS Object
get.default	Search for an S-PLUS Object
library	Shared Functions and Datasets
make.fields	Convert Fixed Format Data to Fields
masked	Report Masked S-PLUS Objects
module	Access Add-On Module
new.database	Make a New Directory Database
objcopy	Assign Copies of Objects to a Database
objdiff	Differences Between S-PLUS Objects
objects	Find S-PLUS Object Names

objects.summary	Summary Information about S-PLUS Objects
print.objects.summary	Summary Information about S-PLUS Objects
rbind.data.frame	Create a Data Frame from Rows
remove	Remove Objects from a Database
rm	Remove by Name
search	Add to or View the Search List
true.file.name	Map Object Name into File Name

## Data Manipulation

\$	Extract or Replace Parts of an Object - Generic operator
->	Assign a Name to an Object
:	Sequences of Numbers
<-	Assign a Name to an Object
<<-	Assign a Name to an Object
Assignment	Assign a Name to an Object
Edit	Edit function using S-PLUS script window
Edit.data	Edit a dataset
Rows	Select Rows of a Data Frame or List
Subscript	Extract or Replace Parts of an Object - Generic operator
Subscript.data.frame	Subscript a Data Frame Object
Subscript.factor	Subscript a Factor Object
Subscript.tree	Subscript a Tree Object
[	Extract or Replace Parts of an Object - Generic operator
[.cts	Subscript a Time Series Object
[.data.frame	Subscript a Data Frame Object
[.factor	Subscript a Factor Object
[.its	Subscript a Time Series Object
[.rts	Subscript a Time Series Object
[.tree	Subscript a Tree Object
[<-	Extract or Replace Parts of an Object - Generic operator
[<-.data.frame	Subscript a Data Frame Object
[<-.factor	Subscript a Factor Object
[[	Extract or Replace Parts of an Object - Generic operator
[[.data.frame	Subscript a Data Frame Object
[[<-	Extract or Replace Parts of an Object - Generic operator
[[<-.data.frame	Subscript a Data Frame Object
-	Assign a Name to an Object
abbreviate	Generate Abbreviations
append	Insert or Merge Data
c	Combine Values into a Vector or List
casefold	Convert Case of Character Strings
cbind	Build Matrix from Columns or Rows
charmatch	Partial Matching of Character Strings
colMeans	Row and Column Summaries
colSums	Row and Column Summaries
colVars	Row and Column Summaries
data.ed	Defunct: use Edit.data
duplicated	Unique or Duplicated Values in a Vector
ed	Invoke ed Text Editor
edit	Text Editor
emacs	Invoke emacs Text Editor
fix	Fix a Function.
grep	Search for Pattern in Text
ifelse	Conditional Data Selection
intersect	Find the Intersection of Multiple Sets
is.na	Test For Missing Values - Generic function
jitter	Separate Data Points by Jittering



length	Length of a Vector or List
match	Match Items in Vector - Generic function
merge	Merge Two Datasets and Match Columns
merge.data.frame	Merge Two Datasets and Match Columns
merge.default	Merge Two Datasets and Match Columns
na.fail	Filter Missing Values From a Data Frame
na.include	Replace NA's in a Factor with a New Level
na.omit	Filter Missing Values From a Data Frame
order	Ordering to Create Sorted Data
paste	Concatenate Data to Make Character Data
pmatch	Partial Matching of Character Items in a Vector
rbind	Build Matrix from Columns or Rows
regexpr	Pattern Matching in Strings
rep	Replicate Data Values
rep.int	Replicate Integer Vector
replace	Insert or Merge Data
rev	Reverse the Order of a Vector or List
rle	Run Length Encoding
row.names	Row Names Attribute
row.names<-	Row Names Attribute
rowMeans	Row and Column Summaries
rowSums	Row and Column Summaries
rowVars	Row and Column Summaries
rowsum	Row Sums of a Matrix, Based on a Grouping Variable.
seq	Sequences of Numbers
seq.default	Sequences of Numbers
setdiff	Find the Unique Values of a Set
sort	Sort into Ascending Numeric or Alphabetic Order
sort.list	Vector of Indices that Sort Data
split	Split Data by Groups
structure	An Object with Given Attributes
substring	Get Portions of Character Strings
union	Find the Union of Multiple Sets
unique	Unique or Duplicated Values in a Vector
unlist	Simplify the Structure of a List
vi	Invoke vi Text Editor
zapsmall	Coerce Small Numbers to Zero for Printing

## Data Sets

.Last.value	Keep the Value of the Last Un-assigned S Expression
.Machine	Machine Arithmetic Constants
.Random.seed	Seeds for Random Number Generators
.laenv	Tuning Parameters for Linear Algebra Computations
CO2	CO2 Uptake Versus Concentration Data
DNase	Assay Data for the Protein DNase
Fatigue	Growth of Cracks in Metal Due to Fatigue
Indometh	Pharmacokinetics of Indomethicin
LETTERS	The Alphabet
Orange	Growth of Orange Trees
Orthodont	Orthodontic Measurements on Children
Ovary	Counts of Ovarian Follicles in Mares
Phenobarb	Pharmacokinetics Study of Phenobarbital
Pixel	Pixel Intensity Data
Puromycin	Biochemical Reactions of Cells Treated with Puromycin
Quinidine	Population Pharmacokinetics of Quinidine
Relaxin	Bioassay of the Protein Relaxin
Soybean	Leaf Weight Over Time for Two Varieties of Soybean

Theoph	Pharmacokinetic Study of Theophylline
air	New York Ozone Concentration
akima	Waveform Distortion Data for Bivariate Interpolation
akima.x	Waveform Distortion Data for Bivariate Interpolation
akima.y	Waveform Distortion Data for Bivariate Interpolation
akima.z	Waveform Distortion Data for Bivariate Interpolation
author	Character Counts for Books by Various Authors
author.count	Character Counts for Books by Various Authors
auto	Statistics of Automobile Models
bar.old	Style List for Barplots
bar.splus	Style List for Barplots
barley	Barley Disease Data
barley	Sample Data Sets for Trellis Graphics
barley.disease	Barley Disease Data
barley.exposed	Barley Disease Data
bicoal	Bituminous Coal Production in USA
bicoal.tons	Bituminous Coal Production in USA
bladder	Sample Data Sets For Survival Analysis
bonds	Daily Yields of Six AT&T Bonds
bonds.coupon	Daily Yields of Six AT&T Bonds
bonds.yield	Daily Yields of Six AT&T Bonds
bxp.att	Style List for Boxplots
bxp.old	Style List for Boxplots
bxp.splus	Style List for Boxplots
capacitor	Sample Data Sets For Survival Analysis
car	Fuel Consumption Data
car.all	Automobile Data from Consumer Reports
car.gals	Fuel Consumption Data
car.miles	Fuel Consumption Data
car.test.frame	Automobile Data from Consumer Reports
car.time	Fuel Consumption Data
catalyst	Comparing the Yield of Two Catalysts
cereal	Consumer Attitudes Towards Breakfast Cereals
cereal.attitude	Consumer Attitudes Towards Breakfast Cereals
chernoff2	Mineral Contents Data (used by Chernoff)
city	Names and Location of Selected U.S. Cities
city.name	Names and Location of Selected U.S. Cities
city.state	Names and Location of Selected U.S. Cities
city.x	Names and Location of Selected U.S. Cities
city.y	Names and Location of Selected U.S. Cities
claims	Cost of Automobile Insurance Claims
co2	Mauna Loa Carbon Dioxide Concentration
corn	Corn Yields and Rainfall
corn.rain	Corn Yields and Rainfall
corn.yield	Corn Yields and Rainfall
cu.dimensions	Automobile Data from Consumer Reports
cu.specs	Automobile Data from Consumer Reports
cu.summary	Automobile Data from Consumer Reports
dating	Sample Data Sets for Trellis Graphics
drug.mult	Drug Study Data for Repeated Measures
environmental	Sample Data Sets for Trellis Graphics
ethanol	Measurement of Exhaust from Burning Ethanol
evap	Soil Evaporation Data
evap.x	Soil Evaporation Data
evap.y	Soil Evaporation Data
font	Vector Drawn Fonts
freeny	Revenue Data
freeny.x	Revenue Data

freeny.y	Revenue Data
fuel.frame	Automobile Data from Consumer Reports
fusion.time	Sample Data Sets for Trellis Graphics
galaxy	Radial Velocity of Galaxy NGC7531
ganglion	Sample Data Sets for Trellis Graphics
gas	Measurement of Exhaust from Burning Ethanol
geyser	Old Faithful Geyser Data
gr.pars	Names of Graphical Parameters
guayule	Rate of Germination of Treated Guayule Seeds
gun	Speed of Firing Naval Guns
halibut	Halibut Data
hamster	Sample Data Sets for Trellis Graphics
heart	Sample Data Sets For Survival Analysis
hstart	US Housing Starts
iris	Fisher's Iris Data
kyphosis	Spinal Disease in Children Data
letters	The Alphabet
leukemia	Sample Data Sets For Survival Analysis
liver	Carcinogeneity Studies of Rat Livers
liver.cells	Carcinogeneity Studies of Rat Livers
liver.exper	Carcinogeneity Studies of Rat Livers
liver.gt	Carcinogeneity Studies of Rat Livers
liver.section	Carcinogeneity Studies of Rat Livers
longley	Longley's Regression Data
longley.x	Longley's Regression Data
longley.y	Longley's Regression Data
lottery	New Jersey Pick-It Lottery Data
lottery.number	New Jersey Pick-It Lottery Data
lottery.payoff	New Jersey Pick-It Lottery Data
lottery2	New Jersey Pick-It Lottery Data (Second Set)
lottery2.number	New Jersey Pick-It Lottery Data (Second Set)
lottery2.payoff	New Jersey Pick-It Lottery Data (Second Set)
lottery3	New Jersey Pick-It Lottery Data (Third Set)
lottery3.number	New Jersey Pick-It Lottery Data (Third Set)
lottery3.payoff	New Jersey Pick-It Lottery Data (Third Set)
lung	Sample Data Sets For Survival Analysis
lynx	Canadian Lynx Trappings
market.survey	AT&T Telemarketing Data
melanoma	Sample Data Sets for Trellis Graphics
month	Month Names and Abbreviations
month.abb	Month Names and Abbreviations
month.name	Month Names and Abbreviations
oa.12.2p11	Standard Orthogonal Array Designs
oa.16.2p15	Standard Orthogonal Array Designs
oa.18.2p1x3p7	Standard Orthogonal Array Designs
oa.20.2p19	Standard Orthogonal Array Designs
oa.24.2p23	Standard Orthogonal Array Designs
oa.24.3p1x2p4	Standard Orthogonal Array Designs
oa.27.3p13	Standard Orthogonal Array Designs
oa.32.2p31	Standard Orthogonal Array Designs
oa.36.2p3x3p4	Standard Orthogonal Array Designs
oa.4.2p3	Standard Orthogonal Array Designs
oa.8.2p7	Standard Orthogonal Array Designs
oa.9.3p4	Standard Orthogonal Array Designs
oa.Matrices	Standard Orthogonal Array Designs
ovarian	Sample Data Sets For Survival Analysis
ozone	Ozone Concentrations in North-East U.S.
ozone.city	Ozone Concentrations in North-East U.S.

ozone.median	Ozone Concentrations in North-East U.S.
ozone.quartile	Ozone Concentrations in North-East U.S.
ozone.xy	Ozone Concentrations in North-East U.S.
pi	Fundamental Constant
pigment	Moisture Content of Pigments Experiment
pingpong	US Table Tennis Association Data
polarization	Sample Data Sets for Trellis Graphics
prim	Particle Physics Data
prim4	Particle Physics Data
prim9	Particle Physics Data
ps.colors	Default PostScript Color Table
ps.fonts	Available PostScript Fonts
ps.preamble	Definitions for the Postscript Device Driver
ps.region	Default PostScript Imageable Region
quakes.bay	Bay Area Earthquakes
rain	New York City Precipitation
rain.nyc1	New York City Precipitation
rain.nyc2	New York City Precipitation
rubber	Sample Data Sets for Trellis Graphics
saving	Savings Rates for Countries
saving.x	Savings Rates for Countries
ship	Manufacturing Shipments
singer	Sample Data Sets for Trellis Graphics
solder	AT&T Solder Experiment
solder.balance	AT&T Solder Experiment
solder2	AT&T Solder Experiment
stack	Stack-loss Data
stack.loss	Stack-loss Data
stack.x	Stack-loss Data
state	States of the U.S.
state.abb	States of the U.S.
state.center	States of the U.S.
state.division	States of the U.S.
state.name	States of the U.S.
state.region	States of the U.S.
state.x77	States of the U.S.
steam	Steam Usage Data
steam.x	Steam Usage Data
steam.y	Steam Usage Data
sunspots	Monthly Mean Relative Sunspot Numbers
survival.datasets	Sample Data Sets For Survival Analysis
swiss	Fertility Data for Switzerland in 1888
swiss.fertility	Fertility Data for Switzerland in 1888
swiss.x	Fertility Data for Switzerland in 1888
switzerland	Heights of Switzerland on 12 by 12 Grid
telsam	Interviewer Response Data
telsam.response	Interviewer Response Data
testscores	Scores from Mathematics Qualifying Exams
tone	Bricker's Tone-Ringer Preference Data
tone.appeal	Bricker's Tone-Ringer Preference Data
trellis.datasets	Sample Data Sets for Trellis Graphics
util	Earnings and Market/Book Ratio for Utilities
util.earn	Earnings and Market/Book Ratio for Utilities
util.mktbook	Earnings and Market/Book Ratio for Utilities
version	S-PLUS Version Information.
voice	Voice Spectrogram Data
voice.five	Voice Spectrogram Data
votes	Votes for Republican Candidate in Presidential Elections

votes.repub	Votes for Republican Candidate in Presidential Elections
votes.year	Votes for Republican Candidate in Presidential Elections
wafer	AT&T Wafer Experiment

## Data Types

Gamma	Generate a Family Object
NextMethod	Methods Invoked from S-PLUS Functions
UseMethod	Methods Invoked from S-PLUS Functions
aov.object	Analysis of Variance Objects
aovlist.object	Analysis of Variance Objects
array	Multi-Way Arrays
as.array	Multi-Way Arrays
as.character	Character Objects
as.complex	Complex Valued Objects
as.double	Double Precision Objects
as.factor	Create Factor Object
as.function	Function Objects
as.integer	Integer Objects
as.list	List Objects
as.logical	Logical Objects
as.matrix	Matrix Objects
as.name	Name Objects
as.null	Null Objects
as.numeric	Numeric Objects
as.single	Single Precision Objects
as.ts	Time Series Objects
as.vector	Vectors (Simple Objects)
binomial	Generate a Family Object
character	Character Objects
class	Class Attribute of an Object
complex	Complex Valued Objects
coxph.object	Proportional Hazards Regression Object
cusum.object	Cusum Quality Control Chart Object
data.class	Class of an Object
data.frame.object	Data Frame Objects
design.object	Design Objects
double	Double Precision Objects
factanal.object	Factor Analysis Objects
factor	Create Factor Object
family	Generate a Family Object
family.default	Generate a Family Object
family.object	A Family of GLM Models
formula.object	Model Formula Objects
gam.object	Generalized Additive Model Object
gaussian	Generate a Family Object
glm.object	Generalized Linear Model Object
htest.object	Hypotheses Testing Objects
integer	Integer Objects
inverse.gaussian	Generate a Family Object
is.array	Multi-Way Arrays
is.atomic	Test for Recursive or Atomic Objects
is.character	Character Objects
is.complex	Complex Valued Objects
is.double	Double Precision Objects
is.factor	Create Factor Object
is.function	Function Objects
is.integer	Integer Objects

is.language	Test for Recursive or Atomic Objects
is.list	List Objects
is.logical	Logical Objects
is.matrix	Matrix Objects
is.name	Name Objects
is.null	Null Objects
is.numeric	Numeric Objects
is.recursive	Test for Recursive or Atomic Objects
is.single	Single Precision Objects
is.ts	Time Series Objects
is.vector	Vectors (Simple Objects)
list	List Objects
lm.object	Linear Least Squares Model Object
lms.object	Least Median of Squares Object
loadings.object	Loadings Matrix Objects
loess.object	Loess Model Object
logical	Logical Objects
lts.object	Least Trimmed Squares Object
maov.object	Analysis of Variance Objects
matrix	Matrix Objects
mcd.object	Minimum Covariance Determinant Object
methods	List Methods of Generic Functions
mlm	Linear Least Squares Model Object
mlm.object	Linear Least Squares Model Object
mve.object	Minimum Volume Ellipsoid Object
null	Null Objects
numeric	Numeric Objects
pframe	Construct a Parameterized Data Frame Object
pframe.object	Parametrized Data Frame Objects
poisson	Generate a Family Object
princomp.object	Principal Component Objects
qcc.object	Quality Control Chart Object
quasi	Generate a Family Object
shewhart.object	Shewhart Quality Control Chart Object
single	Single Precision Objects
terms.object	Class of Objects for Terms in a Model
tree.object	Regression or Classification Tree Object
tree.sequence.object	Regression or Classification Tree Object
ts	Time Series Objects
unclass	Class Attribute of an Object
varcomp.object	Variance Component Objects
vector	Vectors (Simple Objects)
~	Model Formula Objects

## Dates Objects

chron	Create a Chronological Object
cts	Regular Calendar Time Series Objects
cut.dates	Create a Factor from a Dates Object
dates	Generate Dates
day.of.week	Convert between Julian and Calendar Dates
days	Return Various Periods from a Dates Object
format.dates	Support for Function dates.
hours	Return Hours, Minutes, or Seconds from a Times Object
is.cts	Regular Calendar Time Series Objects
julian	Convert between Julian and Calendar Dates
leap.year	Convert between Julian and Calendar Dates
minutes	Return Hours, Minutes, or Seconds from a Times Object

month.day.year	Convert between Julian and Calendar Dates
months	Return Various Periods from a Dates Object
origin	Generate Dates
quarters	Return Various Periods from a Dates Object
seconds	Return Hours, Minutes, or Seconds from a Times Object
seq.dates	Sequences of Dates
weekdays	Return Various Periods from a Dates Object
years	Return Various Periods from a Dates Object

## Dynamic Graphics

brush	Brush a Matrix of Scatter Plots
double.buffer	Control double buffering of graphics window for dynamic graphics
spin	Display Rotating Three Dimensional Scatterplots

## Error Handling

Command.edit	Command Line Editing in S-PLUS
DBLEPR	Printing from a Fortran Routine
INTPR	Printing from a Fortran Routine
REALPR	Printing from a Fortran Routine
XERROR	Error Output and Termination for Fortran Routines
XERRWV	Error Output and Termination for Fortran Routines
browser	Browse an Object - Generic function
browser.default	Browse Interactively in a Function's Frame
debugger	Computational State at the Time of an Error
dump.calls	Save All Calls or Frames on Errors
dump.frames	Save All Calls or Frames on Errors
help	On-Line Documentation
info	Information on the Current S-PLUS
inspect	Diagnostic Evaluation Under Interactive Control
masked	Report Masked S-PLUS Objects
on.exit	Exit Expression For a Function
options	Set or Return Options
restart	Take Over Error Handling
send.self	Send a Signal to the S Process
std.trace	Control over Tracing
std.xtrace	Control over Tracing
stop	Error and Warning Messages
sys.trace	Control over Tracing
tprint	Trace Calls to Functions
trace	Trace Calls to Functions
trace.on	Control over Tracing
traceback	Print Call Stack
untrace	Trace Calls to Functions
warning	Error and Warning Messages
warnings	Print Warning Messages
xerror	Error Message Handling and Control for Fortran Routines
xerror.clear	Error Message Handling and Control for Fortran Routines
xerror.maxpr	Error Message Handling and Control for Fortran Routines
xerror.setfile	Error Message Handling and Control for Fortran Routines
xerror.summary	Error Message Handling and Control for Fortran Routines

## Graphical Devices

.Device	Control Multiple Graphics Devices
.Devices	Control Multiple Graphics Devices
.First	Startup and Wrapup Actions
.First.local	Startup and Wrapup Actions

.Last	Startup and Wrapup Actions
Device.Default	Initialize Graphics Device
Devices	List of Graphical Devices
axum.options	Control details of how new high level device drivers (axum,obj.graph) work
close.screen	Split a Graphics Display and Control Multiple Screens
dev.ask	Pause between Plots
dev.control	Copy Graphics between Graphics Devices
dev.copy	Copy Graphics between Graphics Devices
dev.cur	Control Multiple Graphics Devices
dev.list	Control Multiple Graphics Devices
dev.next	Control Multiple Graphics Devices
dev.off	Control Multiple Graphics Devices
dev.prev	Control Multiple Graphics Devices
dev.print	Copy Graphics between Graphics Devices
dev.set	Control Multiple Graphics Devices
erase.screen	Split a Graphics Display and Control Multiple Screens
graphics.off	Turn Off All Graphics Devices
graphsheat	Graphics Device for Windows/NT
hpgl	Hewlett-Packard HP-GL Plotters
pdf.graph	Graphics Device to Produce Adobe Portable Document Format
postscript	Graphics Device for PostScripttm Printers
printer	Graphics Device for any Terminal
prompt.screen	Split a Graphics Display and Control Multiple Screens
ps.colors	Default PostScript Color Table
ps.fonts	Available PostScript Fonts
ps.region	Default PostScript Imageable Region
screen	Split a Graphics Display and Control Multiple Screens
show	Graphics Device for any Terminal
split.screen	Split a Graphics Display and Control Multiple Screens
tree.screens	Partition the Graphics Area for Tree Plots
win.colorscheme	Set the Color Scheme Used By graphsheat.

## High-Level Plots

County	United States Map
State	United States Map
State.vbm	Visibility Base Map of the United States
Usa	United States Map
World	World Map
World.thin	World Map
acf.plot	Plot Autocovariance or Autocorrelation
arima.diag.plot	Plot Diagnostics for ARIMA Model
axum.options	Control details of how new high level device drivers (axum,obj.graph) work
barplot	Bar Graph
biplot	Biplot of Multivariate Data
biplot.default	Biplot of Multivariate Data
biplot.factanal	Biplots for Principal Components and Factor Analysis Models
biplot.princomp	Biplots for Principal Components and Factor Analysis Models
boxplot	Boxplots
bxp	Boxplots From Processed Data
contour	Contour Plot
contour.old	Contour Plot
coplot	Conditioning Plot
dotchart	Draw a Dot Chart
error.bar	Plot Pointwise Error Bars
faces	Plot Symbolic Faces
hist	Plot a Histogram
hist.factor	Plot a Histogram



image	Plot a Grayscale or Color Image
interaction.plot	Two-Way Interaction Plots
lag.plot	Plot Lagged Scatter Plots
map	Draw Geographical Maps
monthplot	Seasonal Subseries Plot
mulbar	Multiple Bar Plot
pairs	Produce All Pair-Wise Scatter Plots - Generic function
pairs.data.frame	Produce a Scatter Plot Matrix for a Data Frame
pairs.default	Produce a Scatterplot Matrix
par	Graphical Parameters
partition.tree	Plot a Low-Dimensional Tree Object
persp	Three-Dimensional Perspective Plots
pie	Pie Charts
plclust	Plot Trees From Hierarchical Clustering
plot	Plots - Generic function
plot.agnes	Banner Of Agglomerative Hierarchical Clusterings
plot.data.frame	Distributional Plots of Variables in a Data Frame
plot.default	Scatter Plots
plot.design	Plot a Function of Each Level of Factors or Terms
plot.diana	Banner Of Divisive Hierarchical Clusterings
plot.factor	Summary Plots by Factors
plot.gam	Plot Components of a GAM Object
plot.glm	Generate Diagnostic Plots for a GLM Object
plot.hexbin	Plot A Hexagonal Lattice
plot.lms	Generate Diagnostic Plots for an "lms" Object
plot.loadings	Plot Loadings
plot.loess	Display of Fitted LOESS Models by Coplots
plot.lts	Generate Diagnostic Plots for an "lts" Object
plot.mcd	Generate Diagnostic Plots for an "mcd" Object
plot.mlm	Plot a Multiresponse Linear Model
plot.mona	Banner Of Monothetic Divisive Hierarchical Clusterings
plot.multicomp	Confidence Bound Plots
plot.mve	Generate Diagnostic Plots for an "mve" Object
plot.partition	Silhouette Plot Of Nonhierarchical Clusterings
plot.preplot.gam	Plot Components of a GAM Object
plot.preplot.loess	Display Local Regression Surface
plot.survfit	Plot Method for survfit
plot.times	Plot Method for Dates or Times Objects
plot.tree	Plot a Tree Object
plot.varcomp	Plot of Random Components
plotfit	Plot of a Two-Way Fit
pltree	Clustering Trees - Generic Function
pltree.agnes	Clustering Tree Of Agglomerative Hierarchical Clusterings
pltree.diana	Clustering Tree Of Divisive Hierarchical Clusterings
preplot.loess	Display of Fitted LOESS Models by Coplots
qqnorm	Quantile-Quantile Plots - Generic Function
qqnorm.default	Quantile-Quantile Plots - Generic Function
qqplot	Quantile-Quantile Plots - Generic Function
rayplot	Adds Rays with Optional Confidence Arcs (Sectors)
sablplot	Plot a Sabl Decomposition
scatter.smooth	Scatterplot with a Smooth Curve
screepplot	Plot of the Variances of Derived Variables
screepplot.princomp	Plot of the Variances of Derived Variables
smatrix	Symbolic Matrix for Multivariate Data
spec.pgram	Estimate Spectrum with Smoothed Periodogram
spec.plot	Plot Spectra
spectrum	Estimate Spectrum of Time Series
stars	Star Plots of Multivariate Data

starsymb	Plot a Single Star Symbol
state.vbm.center	Visibility Base Map of the United States
stem	Stem and Leaf Display
symbols	Draw Symbols on a Plot
tslines	Plot Multiple Time Series
tsplot	Plot Multiple Time Series
tspoints	Plot Multiple Time Series
usa	United States Coastline and State Boundaries
vu	Create Vu-Graphs (Slides)

## Input/Output--Files

cat	General Printing
count.fields	Count the Number of Fields per Line
data.dump	Produce Text Representations of S-PLUS Objects
data.restore	Bring Back Dumped Objects
dget	Write a Text Representation of an S-PLUS Object
dos	Execute a DOS Command
dput	Write a Text Representation of an S-PLUS Object
dump	Produce Text Representations of S-PLUS Objects
file.exists	Check if a File Exists
files.in.dir	Files in a Directory
getenv	Get Environment Variables
is.dir	Check if a Directory Exists
mkdir	Make a Directory
new.database	Make a New Directory Database
read.from.clipboard	Read Text from the Windows Clipboard
read.table	Create a Data Frame by Reading a Table
readline	Read a Line from the Terminal
rmdir	Remove a Directory
scan	Input Data from a File
sink	Send S-PLUS Output to a File
sink.number	Send S-PLUS Output to a File
source	Parse and Evaluate S-PLUS Expressions from a File
unlink	Remove a File
write	Write Data to ASCII File
write.table	Write Matrix of Data to a File
write.to.clipboard	Copy Text to the Windows Clipboard

## Interacting with Plots

dev.ask	Pause between Plots
frame	Advance Graphics Device to Next Frame or Figure
guiLocator	Get Coordinates from GUI plot
identify	Identify Points on Plot - Generic Function
identify.cusum	Identify Points On a Cusum Quality Control Chart.
identify.default	Identify Points on Plot - Generic Function
identify.hexbin	Identify Points On a Hexagonal Binned Plot
identify.shewhart	Identify Points On a Shewhart Quality Control Chart.
identify.tree	Identify Observations in Tree Nodes
locator	Get Coordinates from Plot
menu	Menu Interaction Function
path.tree	Follow Paths to Selected Nodes of a Tree

## Interfaces to Other Languages

.C	Call a Fortran or C Routine
.First.lib	Shared Functions and Datasets
.Fortran	Call a Fortran or C Routine

.Internal	Call Internal C Code
.Last.lib	Shared Functions and Datasets
.S	Call an Old-S (S-PLUS Version 1.x) Function
COMPILE	Compile files for use with S-PLUS.
DBLEPR	Printing from a Fortran Routine
INTPR	Printing from a Fortran Routine
LOAD	Create a Private Version of S-PLUS
REALPR	Printing from a Fortran Routine
S_alloc	Storage Allocation in C
XERROR	Error Output and Termination for Fortran Routines
XERRWV	Error Output and Termination for Fortran Routines
as.double	Double Precision Objects
as.single	Single Precision Objects
call_S	Call S-PLUS from a C Routine
dll.load	Load a Dynamic Link Library
dll.load.info	Dynamic Link Library Support
dll.load.list	Dynamic Link Library Support
dll.symbol.list	Dynamic Link Library Support
dll.unload	Unload a Dynamic Link Library
dos	Execute a DOS Command
double	Double Precision Objects
dump.loaded	Code Availability
dyn.load	Dynamically Load an Object File
dyn.load.lib	Dynamically Load Code Needed for Library Section
is.double	Double Precision Objects
is.loaded	Code Availability
is.single	Single Precision Objects
library	Shared Functions and Datasets
module	Access Add-On Module
single	Single Precision Objects
symbol.C	Code Availability
symbol.For	Code Availability
symbol.S	Code Availability
xerror	Error Message Handling and Control for Fortran Routines
xerror.clear	Error Message Handling and Control for Fortran Routines
xerror.maxpr	Error Message Handling and Control for Fortran Routines
xerror.setfile	Error Message Handling and Control for Fortran Routines
xerror.summary	Error Message Handling and Control for Fortran Routines

## Jackknifing

jackknife	General Nonparametric Jackknife
jackstats	Calculate Jackknife Statistics
plot.resamp	Plot Method for Resample Objects
print.resamp	Print a Resample Object
print.summary.resamp	Print a Summary of Resample Object
qqnorm.resamp	Quantile-Quantile Plots for Resample Objects
resamp.get.dimnames	Helper Functions for Bootstrap and Jackknife
resamp.get.fit.func	Helper Functions for Bootstrap and Jackknife
resamp.get.indices	Helper Functions for Bootstrap and Jackknife
summary.resamp	Summary Method for Resample Objects

## Library of Chronological Functions

chron	Create a Chronological Object
hours	Return Hours, Minutes, or Seconds from a Times Object
minutes	Return Hours, Minutes, or Seconds from a Times Object
seconds	Return Hours, Minutes, or Seconds from a Times Object

## Library of Clustering Methods

agnes	Agglomerative Nesting
agnes.object	Agglomerative Nesting Object
clara	Clustering Large Applications
clara.object	Clustering Large Applications Object
daisy	Dissimilarity Matrix Calculation
diana	Divisive Analysis
diana.object	Divisive Analysis Object
dissimilarity.object	Dissimilarity Matrix Object
fanny	Fuzzy Analysis
fanny.object	Fuzzy Analysis Object
mona	Monothetic Analysis
mona.object	Monothetic Analysis Object
pam	Partitioning Around Medoids
pam.object	Partitioning Around Medoids Object
partition.object	Partitioning Object
plot.agnes	Banner Of Agglomerative Hierarchical Clusterings
plot.diana	Banner Of Divisive Hierarchical Clusterings
plot.mona	Banner Of Monothetic Divisive Hierarchical Clusterings
plot.partition	Silhouette Plot Of Nonhierarchical Clusterings
pltree	Clustering Trees - Generic Function
pltree.agnes	Clustering Tree Of Agglomerative Hierarchical Clusterings
pltree.diana	Clustering Tree Of Divisive Hierarchical Clusterings
print.agnes	Use print() on an `agnes' object
print.clara	Use print() on a `clara' object
print.diana	Use print() on a `diana' object
print.dissimilarity	Use print() on a `dissimilarity' object
print.fanny	Use print() on a `fanny' object
print.mona	Use print() on a `mona' object
print.pam	Use print() on a `pam' object
print.summary.agnes	Use print() on a `summary.agnes' object
print.summary.clara	Use print() on a `summary.clara' object
print.summary.diana	Use print() on a `summary.diana' object
print.summary.fanny	Use print() on a `summary.fanny' object
print.summary.mona	Use print() on a `summary.mona' object
print.summary.pam	Use print() on a `summary.pam' object
summary.agnes	Summary method for agnes objects
summary.clara	Summary method for clara objects
summary.diana	Summary method for diana objects
summary.fanny	Summary Method for fanny Objects
summary.mona	Summary Method for mona Objects
summary.pam	Summary Method for pam Objects

## Library of Maps

County	United States Map
State	United States Map
State.vbm	Visibility Base Map of the United States
Usa	United States Map
World	World Map
World.thin	World Map
map	Draw Geographical Maps
mapproject	Apply a Map Projection
state.vbm.center	Visibility Base Map of the United States

## Linear Algebra

%**%	Matrix Multiplication Operator
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%o%	Generalized Outer Products
.laenv	Tuning Parameters for Linear Algebra Computations
Hermitian.test	Test for Symmetry or Conjugate Symmetry in a Matrix
LowerTriangular.test	Test for Triangularity in a Matrix
Matrix	Construct a Classed Matrix
Matrix-product	Matrix Multiplication Operator
Matrix.class	Subclass Determination for Matrices.
Orthonormal.test	Test for Orthonormality in a Matrix
UpperTriangular.test	Test for Triangularity in a Matrix
aperm	Array Permutations
aperm.default	Array Permutations
apply	Apply a Function to Sections of an Array
as.Matrix	Conversion to Matrix Objects
as.qr	QR Matrix Decomposition
backsolve	Backsolve Upper-Triangular Equations
chol	Choleski Decomposition of Symmetric Matrix
colMeans	Row and Column Summaries
colSums	Row and Column Summaries
colVars	Row and Column Summaries
crossprod	Matrix Cross Product
det	Determinant of a Matrix --- Generic Function
det.Hermitian	Determinant of a Hermitian Matrix
det.LowerTriangular	Determinant of a Triangular Matrix
det.Matrix	Determinant of a Matrix
det.UnitLowerTriangular	Determinant of a Triangular Matrix
det.UnitUpperTriangular	Determinant of a Triangular Matrix
det.UpperTriangular	Determinant of a Triangular Matrix
det.eigen.Hermitian	Determinant of Hermitian Matrix from Eigenvalues
det.eigen.Matrix	Determinant of a Matrix from Eigenvalue Decomposition
det.lu.Hermitian	Determinant of a Hermitian Matrix from Triangular Factorization
det.lu.Matrix	Determinant of a Matrix from LU Decomposition
det.object	Determinant Object
det.qr.Matrix	Determinant of a Matrix from QR Decomposition
det.schur.Matrix	Determinant of a Matrix from Schur Decomposition
det.svd.Matrix	Determinant of a Matrix from Singular-Value Decomposition
diag	Diagonal Matrices
eigen	Eigenvalues and Eigenvectors of a Matrix
eigen.Hermitian	Eigenvalue Decomposition of a Hermitian Matrix
eigen.Hermitian.object	Hermitian Eigenvalue Decomposition Object
eigen.Matrix	Eigenvalue Decomposition of a Matrix
eigen.Matrix.object	Eigenvalue Decomposition Object
eigen.default	Eigenvalues and Eigenvectors of a Matrix
expand	Expand a Decomposition into Factors --- Generic Function
expand.eigen.Matrix.object	Expanded Eigenvalue Decomposition Object
expand.lu.Hermitian.object	Expanded Symmetric-Indefinite Decomposition Object
expand.lu.Matrix.object	Expanded LU Decomposition Object
expand.qr.Matrix.object	Expanded QR Decomposition Object
facmul	Multiplication by Decomposition Factors --- Generic Function
facmul.lu.Hermitian	Multiplication by Factors from a Symmetric Indefinite Decomposition
facmul.lu.Matrix	Multiplication by Factors from an LU Decomposition
facmul.qr.Matrix	Multiplication by Factors from a QR Decomposition
ginverse	Generalized Inverse of a Matrix
inverse	Matrix Inverse
is.ColOrthonormal	Test for Orthonormality in a Matrix
is.Hermitian	Test for Symmetry or Conjugate Symmetry in a Matrix
is.LowerTriangular	Test for Triangularity in a Matrix
is.Orthonormal	Test for Orthonormality in a Matrix
is.RowOrthonormal	Test for Orthonormality in a Matrix

is.UpperTriangular	Test for Triangularity in a Matrix
is.qr	QR Matrix Decomposition
la.env	Set Tuning Parameters for Linear Algebra Computations
lu	Triangular Decomposition of a Matrix --- Generic Function
lu.Hermitian	Triangular Decomposition of a Hermitian Matrix
lu.Hermitian.object	Symmetric Indefinite Factorization Object
lu.Matrix	Triangular (LU) Decomposition of a Matrix
lu.Matrix.object	LU Decomposition Object
norm	Norms and Related Functions for Matrices --- Generic Function
norm.Hermitian	Norm of a Hermitian Matrix
norm.LowerTriangular	Matrix Norm for Triangular Matrices.
norm.Matrix	Norm of a Matrix
norm.UnitLowerTriangular	Matrix Norm for Triangular Matrices.
norm.UnitUpperTriangular	Matrix Norm for Triangular Matrices.
norm.UpperTriangular	Matrix Norm for Triangular Matrices.
norm.eigen.Hermitian	Spectral Norm for Hermitian Matrices
norm.svd.Matrix	Spectral Norm from Eigenvalue Decomposition
outer	Generalized Outer Products
prcomp	Principal Components Analysis
qr	QR Matrix Decomposition
qr.Matrix	QR Decomposition of a Matrix
qr.Matrix.object	QR Decomposition Object
qr.Q	Reconstruct the Q, R, or X Matrices from a QR Object
qr.R	Reconstruct the Q, R, or X Matrices from a QR Object
qr.X	Reconstruct the Q, R, or X Matrices from a QR Object
qr.coef	Use a QR Matrix Decomposition
qr.default	QR Matrix Decomposition
qr.fitted	Use a QR Matrix Decomposition
qr.qty	Use a QR Matrix Decomposition
qr.qy	Use a QR Matrix Decomposition
qr.resid	Use a QR Matrix Decomposition
rcond	Reciprocal Condition Estimation for Matrices --- Generic Function
rcond.Hermitian	Condition Estimation for Hermitian Matrices
rcond.LowerTriangular	Condition Estimation for Triangular Matrices
rcond.Matrix	Condition Estimation for Matrices
rcond.UnitLowerTriangular	Condition Estimation for Triangular Matrices
rcond.UnitUpperTriangular	Condition Estimation for Triangular Matrices
rcond.UpperTriangular	Condition Estimation for Triangular Matrices
rcond.eigen.Hermitian	Condition Number for Hermitian Matrices from Eigenvalues
rcond.lu.Hermitian	Condition Estimation for Hermitian Matrices from Triangular Decomposition
rcond.lu.Matrix	Condition Estimation for Matrices from LU Decomposition
rcond.qr.Matrix	Condition Estimation for Matrices from QR Decomposition
rcond.svd.Matrix	Condition Number for Matrices from Singular Values
rowMeans	Row and Column Summaries
rowSums	Row and Column Summaries
rowVars	Row and Column Summaries
scale	Scale Columns of a Matrix
schur	Schur Decomposition of a Matrix --- Generic Function
schur.Matrix	Schur Decomposition of a Matrix
schur.Matrix.object	Schur Decomposition Object
schurmod	Reordered Schur Factorization
solve	Solve Linear Equations and Invert Matrices - Generic Function
solve.Hermitian	Solve and Inverse for Hermitian Matrices
solve.LowerTriangular	Solve and Inverse for Triangular Matrices
solve.Matrix	Solve and Inverse for General Matrices
solve.UnitLowerTriangular	Solve and Inverse for Triangular Matrices
solve.UnitUpperTriangular	Solve and Inverse for Triangular Matrices
solve.UpperTriangular	Solve and Inverse for Triangular Matrices

solve.default	Solve Linear Equations and Invert Matrices - Generic Function
solve.eigen.Hermitian	Solve and Inverse with Hermitian Eigenvalue Decomposition
solve.lu.Hermitian	Solve and Inverse with Symmetric Indefinite Decomposition
solve.lu.Matrix	Solve and Inverse with LU Decomposition
solve.qr.Matrix	Solve and Pseudo-Inverse with QR Decomposition
solve.svd.Matrix	Solve/Pseudo-Inverse with Singular Value Decomposition
svd	Singular Value Decomposition of a Matrix
svd.Matrix	Singular Value Decomposition of a Matrix
svd.Matrix.object	Singular Value Decomposition Object
svd.default	Singular Value Decomposition of a Matrix
t	Matrix Transpose
t.default	Matrix Transpose
unpack	Full Storage Representation for Packed Matrices --- Generic Function
vecnorm	p-norm of a Vector

## Lists

\$	Extract or Replace Parts of an Object - Generic operator
Subscript	Extract or Replace Parts of an Object - Generic operator
[	Extract or Replace Parts of an Object - Generic operator
[<-	Extract or Replace Parts of an Object - Generic operator
[[	Extract or Replace Parts of an Object - Generic operator
[[<-	Extract or Replace Parts of an Object - Generic operator
as.list	List Objects
c	Combine Values into a Vector or List
is.list	List Objects
lapply	Apply a Function to Components of a List
length	Length of a Vector or List
list	List Objects
names	Names Attribute of an Object
print.list	Print a List
rev	Reverse the Order of a Vector or List
sapply	Apply a Function to Components of a List
split	Split Data by Groups
unlist	Simplify the Structure of a List

## Loess Objects

anova.loess	Anova Method for Loess Objects
coplot	Conditioning Plot
expand.grid	Create Data Frame from Marginal Grid
lo	Specify a Loess Fit in a GAM Formula
loess	Fit a Local Regression Model
loess.control	Computational Options for Loess Fitting
loess.dfit	Local Regression Fitting (Direct)
loess.dfitse	Local Regression Fitting and Standard Errors (Direct)
loess.ifit	Local Regression Fitting (Interpolations by k-d Tree)
loess.ise	Local Regression Fitting Standard Errors
loess.object	Loess Model Object
loess.raw	Local Regression Fitting
loess.smooth	Smooth Loess Curve
plot.loess	Display of Fitted LOESS Models by Coplots
plot.preplot.loess	Display Local Regression Surface
predict.loess	Evaluation of Local Regression Surfaces
preplot.loess	Display of Fitted LOESS Models by Coplots
print.loess	Print Method for a LOESS Object or its Summary
print.summary.loess	Print Method for a LOESS Object or its Summary
specs.loess	Specifications of Local Regression Model
summary.loess	Summary Method for Local Regression Models

## Logical Operators

!	Logical Operators
!=	Comparison Operators
&	Logical Operators
&&	Conditional Expressions and Operators
<	Comparison Operators
<=	Comparison Operators
==	Comparison Operators
>	Comparison Operators
>=	Comparison Operators
Comparison	Comparison Operators
Logic	Logical Operators
all	Logical Sum and Product
all.equal	Test Two Objects for Full Equality - Generic function
any	Logical Sum and Product
as.logical	Logical Objects
compare	Signum Function and Comparison
else	Conditional Expressions and Operators
if	Conditional Expressions and Operators
ifelse	Conditional Data Selection
is.finite	Check IEEE Arithmetic Values
is.infinite	Check IEEE Arithmetic Values
is.logical	Logical Objects
is.na	Test For Missing Values - Generic function
is.nan	Check IEEE Arithmetic Values
is.number	Check IEEE Arithmetic Values
logical	Logical Objects
sign	Signum Function and Comparison
which.inf	Determine Which Values are Missing Values or IEEE Special Values
which.na	Determine Which Values are Missing Values or IEEE Special Values
which.nan	Determine Which Values are Missing Values or IEEE Special Values
xor	Logical Operators
	Logical Operators
	Conditional Expressions and Operators

## Looping and Iteration

For	Manage Compute-Intensive Iteration
Syntax	The Structure of S-PLUS Expressions
{	The Structure of S-PLUS Expressions
aggregate	Compute Summary Statistics of Subsets of Data
aggregate.data.frame	Compute Column by Column Summaries of Groups of Observations in Data Frame
aggregate.default	Compute Summary Statistics of Subsets of Data
apply	Apply a Function to Sections of an Array
by	Split a Dataset by Factors and Apply a Function to the Parts
by.data.frame	Split a Dataset by Factors and Apply a Function to the Parts
by.default	Split a Dataset by Factors and Apply a Function to the Parts
colMeans	Row and Column Summaries
colSums	Row and Column Summaries
colVars	Row and Column Summaries
function	The Structure of S-PLUS Expressions
lapply	Apply a Function to Components of a List
return	The Structure of S-PLUS Expressions
rowMeans	Row and Column Summaries
rowSums	Row and Column Summaries
rowVars	Row and Column Summaries
rowsum	Row Sums of a Matrix, Based on a Grouping Variable.
sapply	Apply a Function to Components of a List



sweep	Sweep Out Array Summaries
tapply	Apply a Function to a Ragged Array

## Mathematical Operations

!=	Comparison Operators
%%	Arithmetic Operators
%/%	Arithmetic Operators
*	Arithmetic Operators
+	Arithmetic Operators
-	Arithmetic Operators
.Uminus	Arithmetic Operators
/	Arithmetic Operators
<	Comparison Operators
<=	Comparison Operators
==	Comparison Operators
>	Comparison Operators
>=	Comparison Operators
Arg	Basic Complex Number Manipulation
Arithmetic	Arithmetic Operators
Comparison	Comparison Operators
Complex	Basic Complex Number Manipulation
Conj	Basic Complex Number Manipulation
Im	Basic Complex Number Manipulation
Math.data.frame	Math Group Method for Data Frame Objects
Mod	Basic Complex Number Manipulation
Re	Basic Complex Number Manipulation
Summary.data.frame	Summary Group Method for Data Frame Objects
^	Arithmetic Operators
abs	Absolute Value
acos	Inverse Trigonometric Functions
acosh	Inverse Hyperbolic Trigonometric Functions
approx	Linear Interpolation of Points
asin	Inverse Trigonometric Functions
asinh	Inverse Hyperbolic Trigonometric Functions
atan	Inverse Trigonometric Functions
atanh	Inverse Hyperbolic Trigonometric Functions
ceiling	Integer Values
choose	Factorial, Combinations, Permutations
choose.multinomial	Factorial, Combinations, Permutations
chull	Convex Hull of a Planar Set of Points
colMeans	Row and Column Summaries
colSums	Row and Column Summaries
colVars	Row and Column Summaries
cor	Variance, Covariance, and Correlation
cos	Trigonometric Functions
cosh	Hyperbolic Trigonometric Functions
cummax	Cumulative Maxima and Minima
cummin	Cumulative Maxima and Minima
cumprod	Cumulative Sums and Products
cumsum	Cumulative Sums and Products
deriv	Symbolic Partial Derivatives of Expressions
deriv.default	Symbolic Partial Derivatives of Expressions
diff	Create an Object of Differences
exp	Exponential Functions
factorial	Factorial, Combinations, Permutations
floor	Integer Values
gamma	Gamma Function (and its Natural Logarithm)

intersect	Find the Intersection of Multiple Sets
is.finite	Check IEEE Arithmetic Values
is.infinite	Check IEEE Arithmetic Values
is.nan	Check IEEE Arithmetic Values
is.number	Check IEEE Arithmetic Values
jitter	Separate Data Points by Jittering
lgamma	Gamma Function (and its Natural Logarithm)
log	Exponential Functions
log10	Exponential Functions
max	Extremes
mean	Mean Value (Arithmetic Average)
median	Median
min	Extremes
mstree	Minimal Spanning Tree and Multivariate Planing
peaks	Find Local Maxima
pmax	Parallel Maximum or Minimum
pmin	Parallel Maximum or Minimum
polyroot	Find the Roots of a Polynomial
prod	Sums and Products
quantile	Empirical Quantiles
range	Range of Data
rank	Ranks of Data
round	Rounding Functions
rowMeans	Row and Column Summaries
rowSums	Row and Column Summaries
rowVars	Row and Column Summaries
setdiff	Find the Unique Values of a Set
signif	Rounding Functions
sin	Trigonometric Functions
sinh	Hyperbolic Trigonometric Functions
spline	Cubic Spline Approximation
sqrt	Exponential Functions
sum	Sums and Products
tan	Trigonometric Functions
tanh	Hyperbolic Trigonometric Functions
trunc	Integer Values
union	Find the Union of Multiple Sets
var	Variance, Covariance, and Correlation
which.inf	Determine Which Values are Missing Values or IEEE Special Values
which.na	Determine Which Values are Missing Values or IEEE Special Values
which.nan	Determine Which Values are Missing Values or IEEE Special Values
zapsmall	Coerce Small Numbers to Zero for Printing

## Matrices and Arrays

\$	Extract or Replace Parts of an Object - Generic operator
%*%	Matrix Multiplication Operator
Matrix-product	Matrix Multiplication Operator
Subscript	Extract or Replace Parts of an Object - Generic operator
[	Extract or Replace Parts of an Object - Generic operator
[<-	Extract or Replace Parts of an Object - Generic operator
[[	Extract or Replace Parts of an Object - Generic operator
[[<-	Extract or Replace Parts of an Object - Generic operator
aggregate	Compute Summary Statistics of Subsets of Data
aggregate.data.frame	Compute Column by Column Summaries of Groups of Observations in Data Frame
aggregate.default	Compute Summary Statistics of Subsets of Data
aperm	Array Permutations
aperm.default	Array Permutations

apply	Apply a Function to Sections of an Array
array	Multi-Way Arrays
as.array	Multi-Way Arrays
as.matrix	Matrix Objects
backsolve	Backsolve Upper-Triangular Equations
by	Split a Dataset by Factors and Apply a Function to the Parts
by.data.frame	Split a Dataset by Factors and Apply a Function to the Parts
by.default	Split a Dataset by Factors and Apply a Function to the Parts
cbind	Build Matrix from Columns or Rows
chol	Choleski Decomposition of Symmetric Matrix
col	Column and Row Identification in a Matrix
colMeans	Row and Column Summaries
colSums	Row and Column Summaries
colVars	Row and Column Summaries
crossprod	Matrix Cross Product
data.matrix	Convert a Data Frame into a Numeric Matrix
diag	Diagonal Matrices
dim	Dim Attribute of an Object
dim<-	Dim Attribute of an Object
dimnames	Dimnames Attribute of an Object
drop	Drop Length One Dimensions of an Array
eigen	Eigenvalues and Eigenvectors of a Matrix
eigen.default	Eigenvalues and Eigenvectors of a Matrix
ginverse	Generalized Inverse of a Matrix
inverse	Matrix Inverse
is.array	Multi-Way Arrays
is.matrix	Matrix Objects
kronecker	Kronecker Products
lower.tri	Logical Matrix Giving the Lower Triangle
matlines	Plot Columns of Matrices
matplot	Plot Columns of Matrices
matpoints	Plot Columns of Matrices
matrix	Matrix Objects
merge	Merge Two Datasets and Match Columns
merge.data.frame	Merge Two Datasets and Match Columns
merge.default	Merge Two Datasets and Match Columns
ncol	Extents of a Matrix
nrow	Extents of a Matrix
print.array	Print a Multi-Dimensional Array
rbind	Build Matrix from Columns or Rows
row	Column and Row Identification in a Matrix
rowMeans	Row and Column Summaries
rowSums	Row and Column Summaries
rowVars	Row and Column Summaries
scale	Scale Columns of a Matrix
slice.index	Slice Identification in an Array
solve	Solve Linear Equations and Invert Matrices - Generic Function
solve.default	Solve Linear Equations and Invert Matrices - Generic Function
svd	Singular Value Decomposition of a Matrix
svd.default	Singular Value Decomposition of a Matrix
sweep	Sweep Out Array Summaries
t	Matrix Transpose
t.default	Matrix Transpose
tapply	Apply a Function to a Ragged Array
tsmatrix	Create Matrix with Time Series as Columns

## Methods and Generic Functions

Methods	Object-Oriented Methods
NextMethod	Methods Invoked from S-PLUS Functions
UseMethod	Methods Invoked from S-PLUS Functions
aov.object	Analysis of Variance Objects
aovlist.object	Analysis of Variance Objects
as.formula	Define or Extract a Model Formula - Generic Function
check.factor	Check for a Legitimate Factor Object
cov.mcd	Minimum Covariance Determinant Estimation - Generic function
cov.mve	Minimum Volume Ellipsoid Covariance Estimation
coxph.object	Proportional Hazards Regression Object
cusum.object	Cusum Quality Control Chart Object
data.frame.object	Data Frame Objects
design.object	Design Objects
deviance	Deviance of a Fitted Model - Generic Function
factanal.object	Factor Analysis Objects
family.object	A Family of GLM Models
formula	Define or Extract a Model Formula - Generic Function
formula.default	Define or Extract a Model Formula - Generic Function
formula.object	Model Formula Objects
gam.object	Generalized Additive Model Object
glm.object	Generalized Linear Model Object
htest.object	Hypotheses Testing Objects
inherits	Test Inheritance of an Object
lm.object	Linear Least Squares Model Object
lms.object	Least Median of Squares Object
lmsreg	Least Median of Squares Regression
loadings.object	Loadings Matrix Objects
loess.object	Loess Model Object
lts.object	Least Trimmed Squares Object
ltsreg	Least Trimmed Squares Robust Regression
maov.object	Analysis of Variance Objects
mcd.object	Minimum Covariance Determinant Object
methods	List Methods of Generic Functions
mlm	Linear Least Squares Model Object
mlm.object	Linear Least Squares Model Object
mve.object	Minimum Volume Ellipsoid Object
pframe	Construct a Parameterized Data Frame Object
pframe.object	Parameterized Data Frame Objects
princomp.object	Principal Component Objects
qcc.object	Quality Control Chart Object
shewhart.object	Shewhart Quality Control Chart Object
specs	Specifications of a Model - Generic Function
step	Build a Model in a Stepwise Fashion - Generic Function
summary	Summarize an Object - Generic Function
terms.object	Class of Objects for Terms in a Model
tree.object	Regression or Classification Tree Object
tree.sequence.object	Regression or Classification Tree Object
~	Model Formula Objects

## Miscellaneous

date	Today's Date and Time
odometer	Multi Radix Counter

## Mixed Effects Models

CO2	CO2 Uptake Versus Concentration Data
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CO2.func	Carbon Dioxide Uptake Model
CO2.plot	Trellis Plot of Carbondioxide Uptake Data
DNase	Assay Data for the Protein DNase
DNase.plot	Trellis Plot of DNase Data
Fatigue	Growth of Cracks in Metal Due to Fatigue
Fatigue.func	A Model for Crack Growth in Metal Fatigue
Fatigue.plot	Trellis Plot of Fatigue Data
Indometh	Pharmacokinetics of Indomethicin
Indometh.plot	Trellis Plot of Indomethicin Data
Orange	Growth of Orange Trees
Orange.plot	Trellis Plot of Orange Data
Orthodont	Orthodontic Measurements on Children
Orthodont.plot	Trellis Plot of Orthodontic Data
Ovary	Counts of Ovarian Follicles in Mares
Ovary.plot	Trellis Plot of Ovary Data
Pheno.func	Phenobarbital Model
Pheno.plot	Trellis Plot of Phenobarbitol Data
Phenobarb	Pharmacokinetics Study of Phenobarbital
Pixel	Pixel Intensity Data
Pixel.plot	Trellis Plot of Pixel Intensity Data
Quin.func	Quinidine Model
Quinidine	Population Pharmacokinetics of Quinidine
Relaxin	Bioassay of the Protein Relaxin
Relaxin.plot	Trellis Plot of Relaxin Data
Soybean	Leaf Weight Over Time for Two Varieties of Soybean
Soybean.plot	Trellis Plot of Soybean Data
Theoph	Pharmacokinetic Study of Theophylline
Theoph.plot	Trellis Plot of Theophylline Data
anova.lme	Calculate Likelihood Ratio, AIC, and BIC for lme Objects
biexp	Biexponential Model
coef.lmList	Calculate Coefficients for lmList Objects
coef.lme	Calculate Cluster Coefficients for lme Objects
first.order.log	First Order Compartment Model
fixed.effects	Calculate Fixed Effects Estimates
fixed.effects.lmList	Calculate Fixed Effects Estimates for lmList Objects
fixed.effects.lme	Calculate Fixed Effects Estimates for lme Objects
fpl	Four-Parameter Logistic Model
lme	Fit a Linear Mixed Effects Model
lme.control	Control the Iteration in lme()
lme.formula	Fit a Linear Mixed Effects Model
lme.lmList	Fit a Linear Mixed Effects Model
lme.object	Linear Mixed Effects Model Object
logistic	Logistic Model (Three-Parameter)
nlme	Fit a Nonlinear Mixed Effects Model
nlme.control	Control the Iteration in nlme()
nlme.formula	Fit a Nonlinear Mixed Effects Model
nlme.nlsList	Fit a Nonlinear Mixed Effects Model
nlme.object	Nonlinear Mixed Effects Model Object
pairs.lmList	Use pairs() on an `lmList' Object
plot.lme	Plot Components of an lme Object
predict.lme	Make Predictions from a Fitted lme Object
print.lme	Use print() on an `lme' Object
random.effects	Calculate Random Effects Estimates
random.effects.lmList	Calculate Random Effects Estimates for lmList Objects
random.effects.lme	Calculate Random Effects Estimates for lme Objects
selfStart	Construct Self-starting Model Functions
selfStart.default	Construct Self-starting Model Functions
selfStart.formula	Construct Self-starting Nonlinear Models

summary.lmList	Summarize an lmList Object
summary.lme	Summarize an lme Object
summary.nlsList	Summarize an nlsList Object

## Multivariate Techniques

MVNormal	Multivariate Normal (Gaussian) Distribution
biplot	Biplot of Multivariate Data
biplot.default	Biplot of Multivariate Data
biplot.factanal	Biplots for Principal Components and Factor Analysis Models
biplot.princomp	Biplots for Principal Components and Factor Analysis Models
brush	Brush a Matrix of Scatter Plots
cancor	Canonical Correlation Analysis
cmdscale	Classical Metric Multi-Dimensional Scaling
contour	Contour Plot
contour.old	Contour Plot
cor	Variance, Covariance, and Correlation
cov.mcd	Minimum Covariance Determinant Estimation - Generic function
cov.mcd.default	Use cov.mcd on a Vector, Matrix, or Data Frame
cov.mcd.formula	Use cov.mcd with a `formula' Object
cov.mve	Minimum Volume Ellipsoid Covariance Estimation
cov.mve.default	Use cov.mve on a Vector, Matrix, or Data Frame
cov.mve.formula	Use cov.mve with a `formula' Object
cov.wt	Weighted Covariance Estimation
crosstabs	Create a Contingency Table from Factor Data
cutree	Create Groups from Hierarchical Clustering
discr	Multiple Discriminant Analysis
dist	Distance Matrix Calculation
dmvnorm	Multivariate Normal (Gaussian) Distribution
faces	Plot Symbolic Faces
factanal	Estimate a Factor Analysis Model
factanal.fit.mle	Maximum Likelihood Estimate of Factor Analysis Model
factanal.fit.principal	Factor Analysis via Principal Factors
factanal.mle.control	Control MLE Factor Analysis Algorithm
factanal.object	Factor Analysis Objects
factanal.start.mle	Starting Values for MLE Factor Analysis
fft	Fast Fourier Transform
fitted.factanal	Extract Fitted Correlation Matrix or Residuals
hclust	Hierarchical Clustering
hist2d	Calculate Two-Dimensional Histogram
kmeans	Hartigan's K-Means Clustering
loadings	Extract Loadings from an Object
loadings.default	Extract Loadings from an Object
loadings.object	Loadings Matrix Objects
loglin	Contingency Table Analysis
mahalanobis	Mahalanobis Distance
manova	Fit a Multivariate Analysis of Variance Model
mstree	Minimal Spanning Tree and Multivariate Planing
mulbar	Multiple Bar Plot
obliquemin	Oblimin Rotations of Loadings Matrix
orthomax	Orthomax Rotations of Orthogonal Matrices
pairs	Produce All Pair-Wise Scatter Plots - Generic function
pairs.data.frame	Produce a Scatter Plot Matrix for a Data Frame
pairs.default	Produce a Scatterplot Matrix
persp	Three-Dimensional Perspective Plots
perspp	Project Points onto Three-Dimensional Perspective Plots
plot.loadings	Plot Loadings
plot.mlm	Plot a Multiresponse Linear Model

pmvnorm	Multivariate Normal (Gaussian) Distribution
prcomp	Principal Components Analysis
predict.factanal	Factor Analysis Scores
predict.princomp	Principal Component Scores
princomp	Principal Components Analysis
princomp.object	Principal Component Objects
print.factanal	Print a Factor Analysis Object
print.loadings	Print a Loadings Matrix
print.princomp	Print a Principal Components Object
print.summary.princomp	Print a Principal Component Summary
procrustes	Procrustes Rotations
residuals.factanal	Extract Fitted Correlation Matrix or Residuals
rmvnorm	Multivariate Normal (Gaussian) Distribution
rotate	Perform Rotations
rotate.default	Perform Rotations
rotate.factanal	Rotate Factor Analysis Object
rotate.princomp	Rotate Factor Analysis Object
screepplot	Plot of the Variances of Derived Variables
screepplot.princomp	Plot of the Variances of Derived Variables
smatrix	Symbolic Matrix for Multivariate Data
spin	Display Rotating Three Dimensional Scatterplots
stars	Star Plots of Multivariate Data
starsymb	Plot a Single Star Symbol
subtree	Extract Part of a Cluster Tree
summary.factanal	Summary for a Factor Analysis Object
summary.manova	Create a Manova Table
summary.princomp	Summary of a Principal Components Object
twoway	Fit of a Two-Way Table
var	Variance, Covariance, and Correlation

## Nonlinear Regression

TBS	Transform Both Sides of a Nonlinear Regression Model
browser.ms	Interactive browser for Tracing Minimization
deriv	Symbolic Partial Derivatives of Expressions
deriv.default	Symbolic Partial Derivatives of Expressions
integrate	Integral of a Real-valued Function over an Interval.
ms	Fit a Nonlinear Model by Minimum Sums
ms.control	Control of minimization in ms
ms.object	Nonlinear Fitting Object
nlme	Fit a Nonlinear Mixed Effects Model
nlme.nlsList	Fit a Nonlinear Mixed Effects Model
nlminb	Nonlinear Minimization subject to Box Constraints
nlminb.control	Controls User Options for nlminb
nlregb	Nonlinear Least Squares Subject to Box Constraints
nlregb.control	User Options to Control nlregb
nls	Nonlinear Least Squares Regression
nls.control	Control the Iteration in nls()
nls.object	Nonlinear Least Squares Object
nlsList	Create a List of nls Objects with Common Regression Model
optimize	Univariate Optimization of a Continuous Function.
param	Parameters in a Parametrized Data Frame
param<-	Parameters in a Parametrized Data Frame
parameters	Parameters in a Parametrized Data Frame
parameters<-	Parameters in a Parametrized Data Frame
pframe	Construct a Parameterized Data Frame Object
pframe.object	Parameterized Data Frame Objects
profile	Profile a Nonlinear Model - Generic Function

profile.ms	Profile Method for MS Objects
summary.ms	Summary of an MS Model
uniroot	Root Finder for Continuous Univariate Functions.

## Nonparametric Statistics

Wilcoxon	Distribution of Wilcoxon Rank Sum Statistic
ace	Regression Model Linearization
avas	Additivity and Variance Stabilization for Regression
bs	Generate a Basis for Polynomial Splines
cor.test	Test for Zero Correlation
dwilcox	Distribution of Wilcoxon Rank Sum Statistic
friedman.test	Friedman Rank Sum Test
gam	Fit a Generalized Additive Model
gam.control	Set Control Parameters for gam
gam.object	Generalized Additive Model Object
gam.scope	Generate a Scope Argument for Stepwise GAM
kruskal.test	Kruskal-Wallis Rank Sum Test
ks.gof	Kolmogorov-Smirnov Goodness-of-Fit Test
lo	Specify a Loess Fit in a GAM Formula
na.gam.replace	A Missing Data Filter
ns	Generate Basis Matrix for Natural Cubic Splines
plot.gam	Plot Components of a GAM Object
plot.glm	Generate Diagnostic Plots for a GLM Object
plot.preplot.gam	Plot Components of a GAM Object
ppreg	Projection Pursuit Regression
predict.gam	Make Predictions from a Fitted GAM Object
predict.smooth.spline	Smoothing Spline at New Data
pwilcox	Distribution of Wilcoxon Rank Sum Statistic
qwilcox	Distribution of Wilcoxon Rank Sum Statistic
rwilcox	Distribution of Wilcoxon Rank Sum Statistic
s	Specify a Smoothing Spline Fit in a GAM Formula
step.gam	Build a GAM Model in a Step-Wise Fashion
wilcox.test	Wilcoxon Rank Sum and Signed Rank Sum Tests

## Optimization

napsack	Solve Knapsack Problems
nlmin	Find Local Minimum of a Nonlinear Function
nls.fit	Nonnegative Least Squares

## Ordinary Differential Equations

ivp.ab	Initial Value Solver for Systems of Ordinary Differential Equations
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## Printing

cat	General Printing
deparse	Turn Parsed Expression into Character Form
dget	Write a Text Representation of an S-PLUS Object
dput	Write a Text Representation of an S-PLUS Object
format	Formatted Character Data
format.default	Format Atomic Data
glim.print	Print the Results of a glim Fit
labels	Labels for Printing or Plotting - Generic function
labels.default	Labels for Printing or Plotting - Generic function
ls.print	Print a Regression Summary
objprint	Print an S-PLUS object on a printer.
page	Page Through Data



plotlabels	Labels for Printing or Plotting - Generic function
plotlabels.default	Labels for Printing or Plotting - Generic function
print	Print Data - Generic function
print.agnes	Use print() on an `agnes' object
print.array	Print a Multi-Dimensional Array
print.atomic	Print Data with Atomic Modes
print.by	Use print() on a `by' object
print.char.matrix	Print a char.matrix Object to Make a Formatted Table
print.clara	Use print() on a `clara' object
print.crosstabs	Print Output of crosstabs Function
print.cts	Print a Calendar Time Series
print.default	Print Data
print.diana	Use print() on a `diana' object
print.dissimilarity	Use print() on a `dissimilarity' object
print.factanal	Print a Factor Analysis Object
print.fanny	Use print() on a `fanny' object
print.its	Print Method for Irregular Time Series
print.list	Print a List
print.loadings	Print a Loadings Matrix
print.loess	Print Method for a LOESS Object or its Summary
print.manova	Print a Manova Object
print.matrix	Print a Matrix
print.mona	Use print() on a `mona' object
print.pam	Use print() on a `pam' object
print.princomp	Print a Principal Components Object
print.rts	Print Method for Regular Time Series
print.structure	Print an Object with Attributes
print.summary.agnes	Use print() on a `summary.agnes' object
print.summary.clara	Use print() on a `summary.clara' object
print.summary.diana	Use print() on a `summary.diana' object
print.summary.factanal	Print a Factor Analysis Summary
print.summary.fanny	Use print() on a `summary.fanny' object
print.summary.loess	Print Method for a LOESS Object or its Summary
print.summary.manova	Print Manova Summary
print.summary.mona	Use print() on a `summary.mona' object
print.summary.pam	Use print() on a `summary.pam' object
print.summary.princomp	Print a Principal Component Summary
print.summary.survfit	Print Survfit Summary
print.tree	Print a Tree Object
print.trellis	Plot (!) a Trellis Object
print.ts	Print a Time Series
quickvu	Make Simple Vu-Graphs
summary.default	Default Summary Method
vu	Create Vu-Graphs (Slides)
write.table	Write Matrix of Data to a File
zapsmall	Coerce Small Numbers to Zero for Printing

## Probability Distributions and Random Numbers

Beta	Beta Distribution
Binomial	Binomial Distribution
Cauchy	Cauchy Distribution
Chisquare	Chi-Square Distribution
Exponential	Exponential Distribution
F	F Distribution
GAMMA	Gamma Distribution
Geometric	Geometric Distribution
Hypergeometric	Hypergeometric Distribution

Logistic	Logistic Distribution
Lognormal	Lognormal Distribution
MVNormal	Multivariate Normal (Gaussian) Distribution
NegBinomial	Negative Binomial Distribution
Normal	Normal (Gaussian) Distribution
Poisson	Poisson Distribution
Stable	Stable Family of Distributions
T	Student's t-Distribution
Uniform	Uniform Distribution
Weibull	Weibull Distribution
Wilcoxon	Distribution of Wilcoxon Rank Sum Statistic
dbeta	Beta Distribution
dbinom	Binomial Distribution
dcauchy	Cauchy Distribution
dchisq	Chi-Square Distribution
density	Estimate Probability Density Function
dexp	Exponential Distribution
df	F Distribution
dgamma	Gamma Distribution
dgeom	Geometric Distribution
dhyper	Hypergeometric Distribution
dlnorm	Lognormal Distribution
dlogis	Logistic Distribution
dmvnorm	Multivariate Normal (Gaussian) Distribution
dnbinom	Negative Binomial Distribution
dnorm	Normal (Gaussian) Distribution
dnrange	Distribution of the Range of Standard Normals
dpois	Poisson Distribution
dt	Student's t-Distribution
dunif	Uniform Distribution
dweibull	Weibull Distribution
dwilcox	Distribution of Wilcoxon Rank Sum Statistic
pbeta	Beta Distribution
pbinom	Binomial Distribution
pcauchy	Cauchy Distribution
pchisq	Chi-Square Distribution
pexp	Exponential Distribution
pf	F Distribution
pgamma	Gamma Distribution
pgeom	Geometric Distribution
phyper	Hypergeometric Distribution
plnorm	Lognormal Distribution
plogis	Logistic Distribution
pmvnorm	Multivariate Normal (Gaussian) Distribution
pnbinom	Negative Binomial Distribution
pnorm	Normal (Gaussian) Distribution
pnrangle	Distribution of the Range of Standard Normals
ppoints	Plotting Points for QQplots
ppois	Poisson Distribution
pt	Student's t-Distribution
punif	Uniform Distribution
pweibull	Weibull Distribution
pwilcox	Distribution of Wilcoxon Rank Sum Statistic
qbeta	Beta Distribution
qbinom	Binomial Distribution
qcauchy	Cauchy Distribution
qchisq	Chi-Square Distribution
qdunnett	Quantiles for Dunnett's Comparisons with Control

qexp	Exponential Distribution
qf	F Distribution
qgamma	Gamma Distribution
qgeom	Geometric Distribution
qhyper	Hypergeometric Distribution
qlnorm	Lognormal Distribution
qlogis	Logistic Distribution
qmvt	Quantiles for the Equicorrelated Multivariate-t Distribution
qmvt.sim	Simulation-based Quantiles of the Multivariate-t Distribution
qnbinom	Negative Binomial Distribution
qnorm	Normal (Gaussian) Distribution
qnrangle	Distribution of the Range of Standard Normals
qpois	Poisson Distribution
qqnorm	Quantile-Quantile Plots - Generic Function
qqnorm.default	Quantile-Quantile Plots - Generic Function
qqplot	Quantile-Quantile Plots - Generic Function
qt	Student's t-Distribution
qtukey	Quantiles of Tukey's Studentized Range Distribution
quantile	Empirical Quantiles
qunif	Uniform Distribution
qweibull	Weibull Distribution
qwilcox	Distribution of Wilcoxon Rank Sum Statistic
rbeta	Beta Distribution
rbinom	Binomial Distribution
rcauchy	Cauchy Distribution
rchisq	Chi-Square Distribution
rexp	Exponential Distribution
rf	F Distribution
rgamma	Gamma Distribution
rgeom	Geometric Distribution
rhyper	Hypergeometric Distribution
rlnorm	Lognormal Distribution
rlogis	Logistic Distribution
rmvnorm	Multivariate Normal (Gaussian) Distribution
rnbinom	Negative Binomial Distribution
rnorm	Normal (Gaussian) Distribution
rnrange	Distribution of the Range of Standard Normals
rpois	Poisson Distribution
rstab	Stable Family of Distributions
rt	Student's t-Distribution
runif	Uniform Distribution
rweibull	Weibull Distribution
rwilcox	Distribution of Wilcoxon Rank Sum Statistic
sample	Generate Random Samples or Permutations of Data
set.seed	Set Seed for Random Number Generators
stem	Stem and Leaf Display

## Programming

&&	Conditional Expressions and Operators
.First	Startup and Wrapup Actions
.First.local	Startup and Wrapup Actions
.Last	Startup and Wrapup Actions
.Program	Control Execution of S-PLUS
DBLEPR	Printing from a Fortran Routine
For	Manage Compute-Intensive Iteration
INTPR	Printing from a Fortran Routine
NextMethod	Methods Invoked from S-PLUS Functions

REALPR	Printing from a Fortran Routine
Recall	Recursive Call of the Current Function
S.format	Format a File of Expressions
S_alloc	Storage Allocation in C
Syntax	The Structure of S-PLUS Expressions
UseMethod	Methods Invoked from S-PLUS Functions
XERROR	Error Output and Termination for Fortran Routines
XERRWV	Error Output and Termination for Fortran Routines
{	The Structure of S-PLUS Expressions
access	Check for file existence, readability, or writability
all.names	Find All Names in an Expression
all.vars	Find All Variables Used in an Expression
allocated	Memory Allocated in S-PLUS Frames
amatch	Argument Matching
as.call	Function Calls
as.double	Double Precision Objects
as.expression	Expression Objects
as.function	Function Objects
as.integer	Integer Objects
as.name	Name Objects
as.null	Null Objects
assign	Assign Object to Database or Frame
assign.default	Assign Object to Database or Frame
break	Controlling Flow of Evaluation
browser	Browse an Object - Generic function
browser.default	Browse Interactively in a Function's Frame
call	Function Calls
call_S	Call S-PLUS from a C Routine
charmatch	Partial Matching of Character Strings
clear.frame	Move or Clear a Created Frame
dataset.date	Time Dataset was Last Changed
deparse	Turn Parsed Expression into Character Form
dll.load	Load a Dynamic Link Library
dll.load.info	Dynamic Link Library Support
dll.load.list	Dynamic Link Library Support
dll.symbol.list	Dynamic Link Library Support
dll.unload	Unload a Dynamic Link Library
do.call	Execute a Function Call
double	Double Precision Objects
dyn.load	Dynamically Load an Object File
dyn.load.lib	Dynamically Load Code Needed for Library Section
else	Conditional Expressions and Operators
eval	Evaluate an Expression
expression	Expression Objects
file.exists	Check if a File Exists
files.in.dir	Files in a Directory
find.calls	Find Calls to a Function
fix	Fix a Function.
for	Controlling Flow of Evaluation
frame.attr	Attributes of the Current Evaluation Frame
frame.attributes	Attributes of the Current Evaluation Frame
function	The Structure of S-PLUS Expressions
if	Conditional Expressions and Operators
inspect	Diagnostic Evaluation Under Interactive Control
integer	Integer Objects
interactive	Test For Interactive Execution of S-PLUS
invisible	Mark Function as Non-Printing
is.atomic	Test for Recursive or Atomic Objects

is.call	Function Calls
is.dir	Check if a Directory Exists
is.double	Double Precision Objects
is.expression	Expression Objects
is.function	Function Objects
is.integer	Integer Objects
is.language	Test for Recursive or Atomic Objects
is.name	Name Objects
is.null	Null Objects
is.recursive	Test for Recursive or Atomic Objects
make.names	Make Character Strings into Legal S-PLUS Names
match.arg	Argument Verification Using Partial Matching
match.call	Argument Matching
missing	Check for Missing Arguments
mkdir	Make a Directory
mode	Data Mode of the Values in a Vector
move.frame	Move or Clear a Created Frame
nargs	Number of Arguments to Function
new.frame	Create Explicit Frames in the Evaluator
next	Controlling Flow of Evaluation
null	Null Objects
objcopy	Assign Copies of Objects to a Database
objdiff	Differences Between S-PLUS Objects
on.exit	Exit Expression For a Function
parse	Parse Expressions
parse.test	Check if String is a Valid S-PLUS Expression
readline	Read a Line from the Terminal
repeat	Controlling Flow of Evaluation
restart	Take Over Error Handling
return	The Structure of S-PLUS Expressions
rmdir	Remove a Directory
silent.startup	Silent startup.
std.trace	Control over Tracing
std.xtrace	Control over Tracing
stop	Error and Warning Messages
storage	Show Memory Usage
storage.mode	Data Mode of the Values in a Vector
substitute	Substitute in an Expression
switch	Evaluate One of Several Expressions
synchronize	Synchronize Datasets
sys.call	System Evaluator State
sys.calls	System Evaluator State
sys.frame	System Evaluator State
sys.frames	System Evaluator State
sys.function	System Evaluator State
sys.nframe	System Evaluator State
sys.on.exit	System Evaluator State
sys.parent	System Evaluator State
sys.parents	System Evaluator State
sys.status	System Evaluator State
sys.trace	Control over Tracing
tempfile	Create Unique Names for Files
tprint	Trace Calls to Functions
trace	Trace Calls to Functions
trace.on	Control over Tracing
traceback	Print Call Stack
unlink	Remove a File
untrace	Trace Calls to Functions

warning	Error and Warning Messages
while	Controlling Flow of Evaluation
win3	Execute a Windows Application
xerror	Error Message Handling and Control for Fortran Routines
xerror.clear	Error Message Handling and Control for Fortran Routines
xerror.maxpr	Error Message Handling and Control for Fortran Routines
xerror.setfile	Error Message Handling and Control for Fortran Routines
xerror.summary	Error Message Handling and Control for Fortran Routines
	Conditional Expressions and Operators

## Quality Control

beyond.limits	Indices of Points Beyond Control Limits in Shewhart Chart
cusum	Plot a Cumulative Sum Quality Control Chart
cusum.object	Cusum Quality Control Chart Object
dnrange	Distribution of the Range of Standard Normals
identify.cusum	Identify Points On a Cusum Quality Control Chart.
identify.shewhart	Identify Points On a Shewhart Quality Control Chart.
limits.R	Shewhart Quality Control Limits
limits.c	Shewhart Quality Control Limits
limits.np	Shewhart Quality Control Limits
limits.p	Shewhart Quality Control Limits
limits.s	Shewhart Quality Control Limits
limits.u	Shewhart Quality Control Limits
limits.xbar	Shewhart Quality Control Limits
pnrange	Distribution of the Range of Standard Normals
pointwise	Pointwise Confidence Limits for Predictions
qcc	Create a Quality Control Chart Object
qnrange	Distribution of the Range of Standard Normals
rnrange	Distribution of the Range of Standard Normals
runs.target	Determine Indices of Points Violating the Runs Rule.
sd.R	Within Group Standard Deviation for Control Charts
sd.c	Within Group Standard Deviation for Control Charts
sd.np	Within Group Standard Deviation for Control Charts
sd.p	Within Group Standard Deviation for Control Charts
sd.s	Within Group Standard Deviation for Control Charts
sd.u	Within Group Standard Deviation for Control Charts
sd.xbar	Within Group Standard Deviation for Control Charts
shewhart	Plot a Shewhart Quality Control Chart
shewhart.object	Shewhart Quality Control Chart Object
shewhart.rules	Apply Default Rules Functions to a Shewhart Control Chart.
stats.R	Summary Statistics for Control Charts
stats.c	Summary Statistics for Control Charts
stats.np	Summary Statistics for Control Charts
stats.p	Summary Statistics for Control Charts
stats.s	Summary Statistics for Control Charts
stats.u	Summary Statistics for Control Charts
stats.xbar	Summary Statistics for Control Charts

## Regression

ace	Regression Model Linearization
add1.lm	Add Terms to a Linear Model Object
alias.lm	Alias Pattern for Linear Regression Model Objects
alias.mlm	Alias Pattern for Linear Regression Model Objects
avas	Additivity and Variance Stabilization for Regression
coxph	Fit Proportional Hazards Regression Model
drop1.lm	Compute an Anova Object by Dropping Terms
dummy.coef	Extract Original Coefficients from a Linear Model - Generic Function

effects	Single Degree of Freedom Effects from Fitted Model
effects.lm	Single Degree-of-freedom Effects for an lm Object
glim	Generalized Linear Models via Maximum Likelihood
glim.print	Print the Results of a glim Fit
glm	Fit a Generalized Linear Model
glm.control	Set Control Parameters for Generalized Linear Model
glm.fit	Fit a GLM without Computing the Model Matrix
glm.links	Family Support Objects
glm.object	Generalized Linear Model Object
glm.variances	Family Support Objects
glm.weights	Family Support Objects
hat	Hat Diagonal Regression Diagnostic
kappa	Estimate the Condition Number
kappa.default	Estimate the Condition Number
ksmooth	Densities or Regressions Using Kernel Smoothers
l1fit	Minimum Absolute Residual (L1) Regression
leaps	All-Subset Regressions by Leaps and Bounds
lm	Fit Linear Regression Model
lm.fit	General Fitting for Linear Models
lm.fit.chol	Fit a Linear Model
lm.fit.qr	Fit a Linear Model
lm.fit.svd	Fit a Linear Model
lm.influence	Influence of Observations on Linear Model
lm.object	Linear Least Squares Model Object
lms.object	Least Median of Squares Object
lmsreg	Least Median of Squares Regression
lmsreg.default	Use lmsreg on a Vector, Matrix, or Data Frame
lmsreg.formula	Use lmsreg with a `formula' Object
lowess	Scatter Plot Smoothing
ls.diag	Compute Regression Diagnostics
ls.print	Print a Regression Summary
ls.summary	Compute Regression Diagnostics
lsfit	Linear Least-Squares Fit
lts.object	Least Trimmed Squares Object
ltsreg	Least Trimmed Squares Robust Regression
ltsreg.default	Use ltsreg on a Vector, Matrix, or Data Frame
ltsreg.formula	Use ltsreg with a `formula' Object
mlm	Linear Least Squares Model Object
mlm.object	Linear Least Squares Model Object
plot.lm	Generate Diagnostic Plots for an LM Object
plot.lms	Generate Diagnostic Plots for an "lms" Object
plot.lts	Generate Diagnostic Plots for an "lts" Object
poly	Generate a Basis for Polynomial Regression
poly.transform	Transform Coefficients from Orthogonal Polynomial Form
ppreg	Projection Pursuit Regression
proj	Projection Matrix
proj.default	Projection Matrix
rbiwt	Robust Simple Regression by Biweight
rreg	M-Estimates of Regression
step.glm	Build a GLM Model in a Step-Wise Fashion
stepwise	Stepwise Subset Selection for Multiple Regression
summary.glm	Summary Method for Fitted Generalized Linear Models
summary.lm	Summary Method for Linear Models
survreg.object	Parametric Survival Model Object
wt.andrews	M-Estimates of Regression
wt.bisquare	M-Estimates of Regression
wt.cauchy	M-Estimates of Regression
wt.default	M-Estimates of Regression

wt.fair	M-Estimates of Regression
wt.hampel	M-Estimates of Regression
wt.huber	M-Estimates of Regression
wt.logistic	M-Estimates of Regression
wt.median	M-Estimates of Regression
wt.talworth	M-Estimates of Regression
wt.welsch	M-Estimates of Regression

## Regression and Classification Trees

Subscript.tree	Subscript a Tree Object
[.tree	Subscript a Tree Object
basis.tree	Compute Orthogonal Basis for a Tree Object
browser.tree	Return Contents of Selected Nodes of a Tree Object
burl.tree	View Splits for Nodes of a Tree Object
cv.tree	Cross Validation of a Tree Sequence
data.tree	Return Data Used To Grow a Tree
deviance.tree	Deviance of a Tree Object
edit.tree	Change Node Splits in a Binary Tree
graft.tree	Graft a Subtree onto the Original Tree
hist.tree	Histograms of Predictors at Tree Nodes
identify.tree	Identify Observations in Tree Nodes
meanvar.tree	Mean-Variance Plot for a Tree Object
misclass.tree	Misclassification Errors for a Classification Tree
na.tree.replace	Replace NA's in Predictor Variables
na.tree.replace.all	Replace NA's in Predictor Variables
order.tree	Reorder Terminal Nodes of a Binary Tree.
partition.tree	Plot a Low-Dimensional Tree Object
path.tree	Follow Paths to Selected Nodes of a Tree
plot.tree	Plot a Tree Object
plot.tree.sequence	Plot a Tree Sequence
post.tree	PostScript Presentation Plot of a Tree Object
pred.tree	Predicted Terminal Node from a Fitted Tree Object
predict.tree	Predictions from a Fitted Tree Object
print.tree	Print a Tree Object
prune.misclass	Cost-complexity Pruning of Tree Object
prune.tree	Cost-complexity Pruning of Tree Object
residuals.tree	Residuals From a Fitted Tree Object
rug.tree	Augment a Dendrogram with a Rug
select.tree	Select Subtrees of a Tree Object
shrink.tree	Optimal Recursive Shrinking of Tree Objects
snip.tree	Snip Subtrees of a Tree Object
summary.tree	Summarize a Fitted Tree Object
text.tree	Place Text on a Dendrogram
tile.tree	Augment a Dendrogram with Tiles
tree	Fit a Regression or Classification Tree
tree.control	Control For Tree Growing
tree.object	Regression or Classification Tree Object
tree.screens	Partition the Graphics Area for Tree Plots
tree.sequence.object	Regression or Classification Tree Object

## Resampling (Bootstrap, Jackknife, and Permutations)

bootstats	Calculate Bootstrap Statistics
bootstrap	General Nonparametric Bootstrapping
jack.after.bootstrap	Perform Jackknife-After-Bootstrap
jackknife	General Nonparametric Jackknife
jackstats	Calculate Jackknife Statistics
limits.bca	Calculate BCa Percentiles



limits.emp	Calculate Empirical Percentiles of Replicates
plot.jack.after.bootstrap	Influence Plot Using Jackknife-After-Bootstrap
plot.resamp	Plot Method for Resample Objects
print.jack.after.bootstrap	Print a Jackknife-After-Bootstrap Object
print.resamp	Print a Resample Object
print.summary.bootstrap	Print a Summary of Bootstrap Object
print.summary.resamp	Print a Summary of Resample Object
qqnorm.resamp	Quantile-Quantile Plots for Resample Objects
resamp.get.dimnames	Helper Functions for Bootstrap and Jackknife
resamp.get.fit.func	Helper Functions for Bootstrap and Jackknife
resamp.get.indices	Helper Functions for Bootstrap and Jackknife
samp.boot.bal	Construct Matrix of Resamples
samp.boot.mc	Construct Matrix of Resamples
samp.permute	Construct Matrix of Resamples
summary.bootstrap	Summary Method for Bootstrap Objects
summary.resamp	Summary Method for Resample Objects
update.bootstrap	Add New Replicates to Bootstrap Object

## Robust/Resistant Techniques

acm.ave	Two Filter Robust Smoother
acm.filt	Approximate Conditional Mean Robust Filter
acm.smo	Approximate Conditional Mean Robust Smoother
ar.gm	Fit Autoregression Using Robust GM-Estimates
chb	Constants for Huber and Bisquare Psi
cov.mcd	Minimum Covariance Determinant Estimation - Generic function
cov.mcd.default	Use cov.mcd on a Vector, Matrix, or Data Frame
cov.mcd.formula	Use cov.mcd with a `formula' Object
cov.mve	Minimum Volume Ellipsoid Covariance Estimation
cov.mve.default	Use cov.mve on a Vector, Matrix, or Data Frame
cov.mve.formula	Use cov.mve with a `formula' Object
llfit	Minimum Absolute Residual (L1) Regression
lms.object	Least Median of Squares Object
lmsreg	Least Median of Squares Regression
lmsreg.default	Use lmsreg on a Vector, Matrix, or Data Frame
lmsreg.formula	Use lmsreg with a `formula' Object
location.lms	Univariate Least Median Squares Location and Scale Estimation
location.lts	Univariate Location and Scale Estimation
location.m	Robust M-estimates of Location
lowess	Scatter Plot Smoothing
lts.object	Least Trimmed Squares Object
ltsreg	Least Trimmed Squares Robust Regression
ltsreg.default	Use ltsreg on a Vector, Matrix, or Data Frame
ltsreg.formula	Use ltsreg with a `formula' Object
mad	Median Absolute Deviation
mcd.object	Minimum Covariance Determinant Object
mean	Mean Value (Arithmetic Average)
median	Median
mve.object	Minimum Volume Ellipsoid Object
plot.lms	Generate Diagnostic Plots for an "lms" Object
plot.lts	Generate Diagnostic Plots for an "lts" Object
plot.mcd	Generate Diagnostic Plots for an "mcd" Object
plot.mve	Generate Diagnostic Plots for an "mve" Object
rbiwt	Robust Simple Regression by Biweight
robust	Generate a Robust Family Object
rreg	M-Estimates of Regression
sabl	Seasonal Decomposition
scale.a	Median Absolute Deviation

scale.tau	Median Absolute Deviation
smooth	Nonlinear Smoothing Using Running Medians
twoway	Fit of a Two-Way Table
varcomp	Variance Components
varcomp.object	Variance Component Objects
wt.andrews	M-Estimates of Regression
wt.bisquare	M-Estimates of Regression
wt.cauchy	M-Estimates of Regression
wt.default	M-Estimates of Regression
wt.fair	M-Estimates of Regression
wt.hampel	M-Estimates of Regression
wt.huber	M-Estimates of Regression
wt.logistic	M-Estimates of Regression
wt.median	M-Estimates of Regression
wt.talworth	M-Estimates of Regression
wt.welsch	M-Estimates of Regression

## S-PLUS Session Environment

.Program	Control Execution of S-PLUS
Command.edit	Command Line Editing in S-PLUS
allocated	Memory Allocated in S-PLUS Frames
dos.time	Execution Times
getenv	Get Environment Variables
info	Information on the Current S-PLUS
mem.tally.report	Measure Memory Usage
mem.tally.reset	Measure Memory Usage
memory.size	Total Memory Used by Running S-PLUS
object.size	Internal Size of an Object
options	Set or Return Options
par	Graphical Parameters
platform	S-PLUS Platform Information.
print.mem.tally	Measure Memory Usage
proc.time	Running Time of S-PLUS
q	Quit From S-PLUS
resize	Set Session Options to Reflect New Window Size
storage	Show Memory Usage
sys.call	System Evaluator State
sys.calls	System Evaluator State
sys.frame	System Evaluator State
sys.frames	System Evaluator State
sys.function	System Evaluator State
sys.nframe	System Evaluator State
sys.on.exit	System Evaluator State
sys.parent	System Evaluator State
sys.parents	System Evaluator State
sys.status	System Evaluator State
system.stat	System Information
version	S-PLUS Version Information.
win3	Execute a Windows Application

## Smoothing Operations

ace	Regression Model Linearization
acm.ave	Two Filter Robust Smoother
acm.filt	Approximate Conditional Mean Robust Filter
acm.smo	Approximate Conditional Mean Robust Smoother
avas	Additivity and Variance Stabilization for Regression
density	Estimate Probability Density Function

ksmooth	Densities or Regressions Using Kernel Smoothers
lowess	Scatter Plot Smoothing
ppreg	Projection Pursuit Regression
predict.smooth.spline	Smoothing Spline at New Data
s	Specify a Smoothing Spline Fit in a GAM Formula
scatter.smooth	Scatterplot with a Smooth Curve
smooth	Nonlinear Smoothing Using Running Medians
smooth.spline	Fit a Smoothing Spline
spec.pgram	Estimate Spectrum with Smoothed Periodogram
spec.smo	Perform Modified Daniell (Rectangular) Smoothing
spectrum	Estimate Spectrum of Time Series
supsmu	Scatter Plot Smoothing Using Super Smoother

## Statistical Inference

binom.test	Exact Binomial Test
cdf.compare	Graphs Two Cumulative Distribution Functions.
chisq.gof	Chi square Goodness-of-Fit Test
chisq.test	Pearson's Chi-square Test for Count Data
cor.test	Test for Zero Correlation
fisher.test	Fisher's Exact Test for Count Data
friedman.test	Friedman Rank Sum Test
hstest.object	Hypotheses Testing Objects
kruskal.test	Kruskal-Wallis Rank Sum Test
ks.gof	Kolmogorov-Smirnov Goodness-of-Fit Test
mantelhaen.test	Mantel-Haenszel Chi-Square Test for Count Data
mcnemar.test	McNemar's Chi-Square Test for Count Data
prop.test	Proportions Tests
t.test	Student's t-Tests
var.test	F Test to Compare Two Variances
wilcox.test	Wilcoxon Rank Sum and Signed Rank Sum Tests

## Statistical Models

ace	Regression Model Linearization
add.scope	Resolve Scopes for Formulas
add1	Compute Models by Adding One Term - Generic Function
anova	Compute an Anova Table - Generic function
anova.gam	ANOVA Table for a GAM Object
aov	Fit an Analysis of Variance Model
ar	Fit Univariate or Multivariate Autoregressive Model
arima.mle	ARIMA Modeling via Gaussian Maximum Likelihood
as.data.frame	Construct a Data Frame Object
avas	Additivity and Variance Stabilization for Regression
cmdscale	Classical Metric Multi-Dimensional Scaling
coef	Extract Coefficients, etc. from a Model
coef.default	Extract Coefficients, etc. from a Model
coefficients	Extract Coefficients, etc. from a Model
coxph	Fit Proportional Hazards Regression Model
data.frame	Construct a Data Frame Object
drop.scope	Resolve Scopes for Formulas
drop1	Compute Models by Dropping Terms - Generic function
dummy.coef	Extract Original Coefficients from a Linear Model - Generic Function
factanal	Estimate a Factor Analysis Model
factor.scope	Resolve Scopes for Formulas
fitted	Extract Coefficients, etc. from a Model
fitted.default	Extract Coefficients, etc. from a Model
fitted.values	Extract Coefficients, etc. from a Model
gam	Fit a Generalized Additive Model

glim	Generalized Linear Models via Maximum Likelihood
glm	Fit a Generalized Linear Model
is.data.frame	Construct a Data Frame Object
l1fit	Minimum Absolute Residual (L1) Regression
leaps	All-Subset Regressions by Leaps and Bounds
lm	Fit Linear Regression Model
lmList	Create a List of lm Objects with Common Regression Model
lme	Fit a Linear Mixed Effects Model
lme.lmList	Fit a Linear Mixed Effects Model
loess	Fit a Local Regression Model
loglin	Contingency Table Analysis
lsfit	Linear Least-Squares Fit
manova	Fit a Multivariate Analysis of Variance Model
ms	Fit a Nonlinear Model by Minimum Sums
mstree	Minimal Spanning Tree and Multivariate Planing
nlme	Fit a Nonlinear Mixed Effects Model
nlme.nlsList	Fit a Nonlinear Mixed Effects Model
nlregb	Nonlinear Least Squares Subject to Box Constraints
nls	Nonlinear Least Squares Regression
nlsList	Create a List of nls Objects with Common Regression Model
plot.lm	Generate Diagnostic Plots for an LM Object
ppreg	Projection Pursuit Regression
predict	Make Predictions from a Fitted Model Object
princomp	Principal Components Analysis
random	Include a Random Effects Term in an Additive Model
resid	Extract Coefficients, etc. from a Model
residuals	Extract Coefficients, etc. from a Model
residuals.default	Extract Coefficients, etc. from a Model
rreg	M-Estimates of Regression
spectrum	Estimate Spectrum of Time Series
step	Build a Model in a Stepwise Fashion - Generic Function
stepwise	Stepwise Subset Selection for Multiple Regression
tree	Fit a Regression or Classification Tree
update	Update a Fitted Model Object
update.default	Update a Fitted Model Object
update.formula	Update a Fitted Model Object
varcomp	Variance Components
wt.andrews	M-Estimates of Regression
wt.bisquare	M-Estimates of Regression
wt.cauchy	M-Estimates of Regression
wt.default	M-Estimates of Regression
wt.fair	M-Estimates of Regression
wt.hampel	M-Estimates of Regression
wt.huber	M-Estimates of Regression
wt.logistic	M-Estimates of Regression
wt.median	M-Estimates of Regression
wt.talworth	M-Estimates of Regression
wt.welsch	M-Estimates of Regression

## Statistics Menu Functions

menuAnova	ANOVA Dialog Function
menuAov	Fixed Effects Analysis of Variance Dialog Functions
menuChisqGof	Chi-square Goodness-of-Fit Test
menuCoxph	Cox Proportional Hazards Dialog Function
menuCrosstabs	Contingency Table
menuFactanal	Factor Analysis Dialog Function
menuGam	Generalized Linear Model Dialog Functions

menuGlm	Generalized Linear Model Dialog Functions
menuKsGof1	One-sample Kolmogorov-Smirnov Goodness-of-Fit Test
menuKsGof2	Two-sample Kolmogorov-Smirnov Goodness-of-Fit Test
menuKsmooth	Kernel Smoother Dialog Function
menuLm	Linear Regression Dialog Functions
menuLoSmooth	Loess Smoothing Dialog Function
menuLoess	Local Regression Dialog Functions
menuLtsreg	Robust Regression (Least Trimmed Squares) Dialog Functions
menuManova	Multivariate Analysis of Variance Dialog Functions
menuMulticomp	Multiple Comparisons Dialog Function
menuNls	Nonlinear Regression Dialog Functions
menuPrincomp	Principal Components Analysis Dialog Function
menuRaov	Random Effects Analysis of Variance Dialog Functions
menuSmooth.spline	Spline Smoother Dialog Function
menuSupsmu	Supersmoother Dialog Function
menuSurvfit	Nonparametric Survival Dialog Functions
menuSurvreg	Parametric Survival Dialog Functions
menuTTest1	One-sample t Test
menuTTest2	Two-sample t Test
menuTree	Tree Regression Dialog Functions
menuWilcoxTest1	One-sample Wilcoxon Signed Rank Test
menuWilcoxTest2	Two-sample Wilcoxon Test
tabAnova.aov	Fixed Effects Analysis of Variance Dialog Functions
tabPlot.factanal	Factor Analysis Dialog Function
tabPlot.lm	Linear Regression Dialog Functions
tabPlot.loess	Local Regression Dialog Functions
tabPlot.lts	Robust Regression (Least Trimmed Squares) Dialog Functions
tabPlot.princomp	Principal Components Analysis Dialog Function
tabPlot.survfit	Nonparametric Survival Dialog Functions
tabPlot.tree	Tree Regression Dialog Functions
tabPredict.coxph	Cox Proportional Hazards Dialog Function
tabPredict.factanal	Factor Analysis Dialog Function
tabPredict.lm	Linear Regression Dialog Functions
tabPredict.loess	Local Regression Dialog Functions
tabPredict.nls	Nonlinear Regression Dialog Functions
tabPredict.princomp	Principal Components Analysis Dialog Function
tabPredict.tree	Tree Regression Dialog Functions
tabPrune.tree	Tree Regression Dialog Functions
tabResults.manova	Multivariate Analysis of Variance Dialog Functions
tabShrink.tree	Tree Regression Dialog Functions
tabSummary.coxph	Cox Proportional Hazards Dialog Function
tabSummary.factanal	Factor Analysis Dialog Function
tabSummary.lm	Linear Regression Dialog Functions
tabSummary.loess	Local Regression Dialog Functions
tabSummary.lts	Robust Regression (Least Trimmed Squares) Dialog Functions
tabSummary.nls	Nonlinear Regression Dialog Functions
tabSummary.princomp	Principal Components Analysis Dialog Function
tabSummary.survfit	Nonparametric Survival Dialog Functions
tabSummary.survreg	Parametric Survival Dialog Functions
tabSummary.tree	Tree Regression Dialog Functions
tabSurvfit.coxph	Cox Proportional Hazards Dialog Function

## Survival Analysis

Surv	Create a Survival Object
bladder	Sample Data Sets For Survival Analysis
capacitor	Sample Data Sets For Survival Analysis
cluster	Identify clusters.

cox.zph	Test the Proportional Hazards Assumption
coxph	Fit Proportional Hazards Regression Model
coxph.detail	Details of a Cox Model Fit
coxph.object	Proportional Hazards Regression Object
heart	Sample Data Sets For Survival Analysis
is.Surv	Create a Survival Object
is.ratable	Verify that an object is of class ratetable.
leukemia	Sample Data Sets For Survival Analysis
lines.survfit	Add Lines to a Survival Plot
lung	Sample Data Sets For Survival Analysis
ovarian	Sample Data Sets For Survival Analysis
plot.cox.zph	Graphical Test of Proportional Hazards
plot.survfit	Plot Method for survfit
print.survfit	Print a Short Summary of a Survival Curve
pyears	Person Years
ratetable	Specify Variables to Match in Rate Table
residuals.coxph	Calculate Residuals for a Cox Regression
residuals.survreg	Compute Residuals for a Parametric Survival Model
strata	Identify Strata Variables
summary.survfit	Summary of a Survival Curve
survdif	Test Survival Curve Differences
survexp	Compute Expected Survival
survexp.az	Census Data Sets for the Expected Survival and Person Years Functions
survexp.azr	Census Data Sets for the Expected Survival and Person Years Functions
survexp.fit	Compute Expected Survival
survexp.fl	Census Data Sets for the Expected Survival and Person Years Functions
survexp.flr	Census Data Sets for the Expected Survival and Person Years Functions
survexp.mn	Census Data Sets for the Expected Survival and Person Years Functions
survexp.mnwhite	Census Data Sets for the Expected Survival and Person Years Functions
survexp.us	Census Data Sets for the Expected Survival and Person Years Functions
survexp.usr	Census Data Sets for the Expected Survival and Person Years Functions
survexp.uswhite	Census Data Sets for the Expected Survival and Person Years Functions
survfit	Compute a Survival Curve for Censored Data
survfit.object	Survival Curve Object
survival.datasets	Sample Data Sets For Survival Analysis
survreg	Regression for a Parametric Survival Model
survreg.control	Set Control Parameters for survreg
survreg.object	Parametric Survival Model Object
tcut	Create Categories From Time Based Data
untangle.specials	Process the 'specials' Argument of the Terms Function

## Time Series

[.cts	Subscript a Time Series Object
[.its	Subscript a Time Series Object
[.rts	Subscript a Time Series Object
acf	Estimate Autocovariance, Autocorrelation or Partial Autocorrelation
acf.plot	Plot Autocovariance or Autocorrelation
acm.ave	Two Filter Robust Smoother
acm.filt	Approximate Conditional Mean Robust Filter
acm.smo	Approximate Conditional Mean Robust Smoother
aggregate	Compute Summary Statistics of Subsets of Data
aggregate.cts	Decrease Periodicity of Time Series by Aggregation
aggregate.default	Compute Summary Statistics of Subsets of Data
aggregate.rts	Decrease Periodicity of Time Series by Aggregation
ar	Fit Univariate or Multivariate Autoregressive Model
ar.burg	Fit Autoregression Using Burg's Algorithm
ar.gm	Fit Autoregression Using Robust GM-Estimates

ar.yw	Fit Autoregression Using the Yule-Walker Equations
arima.diag	Compute Diagnostics for ARIMA Model
arima.diag.plot	Plot Diagnostics for ARIMA Model
arima.filt	Apply an ARIMA Filter to a Time Series
arima.forecast	Forecast a Time Series Using an ARIMA Model
arima.fracdiff	Fractionally-Differenced ARIMA Modeling via Gaussian MLE
arima.fracdiff.sim	Simulate Long-memory Time-series Data
arima.fracdiff.var	Recompute Covariance Estimate for arima.fracdiff
arima.mle	ARIMA Modeling via Gaussian Maximum Likelihood
arima.sim	Simulate a Univariate ARIMA Series
arima.td	Coefficients for Trading Day Regression
as.rts	Regular Time Series Objects
as.ts	Time Series Objects
chb	Constants for Huber and Bisquare Psi
cts	Regular Calendar Time Series Objects
cycle	Create Time Vector or Index of Frequency.
deltat	Sampling Frequency of a Time Series
demod	Complex Demodulation with Least Squares Lowpass Filter
diff	Create an Object of Differences
end	Starting and Ending Times for Time Series
fft	Fast Fourier Transform
filter	Apply a Filter to a Time Series
frequency	Sampling Frequency of a Time Series
is.cts	Regular Calendar Time Series Objects
is.its	Irregular Time Series Object
is.rts	Regular Time Series Objects
is.ts	Time Series Objects
its	Irregular Time Series Object
lag	Create a Lagged Time Series
lag.plot	Plot Lagged Scatter Plots
monthplot	Seasonal Subseries Plot
peaks	Find Local Maxima
plot.stl	Plot an STL Object
plot.times	Plot Method for Dates or Times Objects
print.cts	Print a Calendar Time Series
print.its	Print Method for Irregular Time Series
print.rts	Print Method for Regular Time Series
print.ts	Print a Time Series
rts	Regular Time Series Objects
sabl	Seasonal Decomposition
sablplot	Plot a Sabl Decomposition
spec.ar	Compute Autoregressive Spectrum
spec.pgram	Estimate Spectrum with Smoothed Periodogram
spec.plot	Plot Spectra
spec.smo	Perform Modified Daniell (Rectangular) Smoothing
spec.taper	Apply Split Cosine Bell Taper to a Time Series
spectrum	Estimate Spectrum of Time Series
start	Starting and Ending Times for Time Series
stl	Seasonal Decomposition of a Time Series
stl.control	Computational Options for STL
summary.cts	Summary Method for a Calendar Time Series
summary.its	Summary Method for an Irregularly Spaced Time Series
summary.rts	Summary Method for a Regular Time Series
time	Create Time Vector or Index of Frequency.
ts	Time Series Objects
ts.intersect	Intersection of Time Series
ts.lines	Plot Multiple Time Series
ts.plot	Plot Multiple Time Series

ts.points	Plot Multiple Time Series
ts.union	Union of Time Series
tslines	Plot Multiple Time Series
tsmatrix	Create Matrix with Time Series as Columns
tsp	Tsp Attribute of a Time Series Object
tspar	Time Parameters of a Time Series Object
tsplot	Plot Multiple Time Series
tspoints	Plot Multiple Time Series
units	Time Units of a Time Series
window	Window a Time Series

## Trellis Displays Library

as.shingle	Create a Shingle Object
banking	Aspect Ratio Computations for Banking
barchart	Bar Graph
barley	Sample Data Sets for Trellis Graphics
bwplot	Box and Whisker Plot (Box Plot)
bwps.trellis	Device Colormaps for Trellis Graphics
cloud	3-D Point Cloud
color.key	Put a Color Key on a Plot
colorps.trellis	Device Colormaps for Trellis Graphics
contourplot	Produce a Contour Plot or Level Plot
dating	Sample Data Sets for Trellis Graphics
densityplot	Probability Density Plots
dotplot	Multi-way Dot Plot
environmental	Sample Data Sets for Trellis Graphics
equal.count	Create Shingle of Conditioning Intervals
example.bwplot	Example Functions For Trellis Displays
example.calendar	Example Functions For Trellis Displays
example.cloud	Example Functions For Trellis Displays
example.contour	Example Functions For Trellis Displays
example.coplot.fit	Example Functions For Trellis Displays
example.coplot.one	Example Functions For Trellis Displays
example.coplot.three	Example Functions For Trellis Displays
example.coplot.two	Example Functions For Trellis Displays
example.coplot2.fit	Example Functions For Trellis Displays
example.density	Example Functions For Trellis Displays
example.difscale	Example Functions For Trellis Displays
example.dotplot	Example Functions For Trellis Displays
example.draping	Example Functions For Trellis Displays
example.draping2	Example Functions For Trellis Displays
example.ecount	Example Functions For Trellis Displays
example.frames2	Example Functions For Trellis Displays
example.given	Example Functions For Trellis Displays
example.histo	Example Functions For Trellis Displays
example.level	Example Functions For Trellis Displays
example.level.fit	Example Functions For Trellis Displays
example.levelplot	Example Functions For Trellis Displays
example.normal.qq	Example Functions For Trellis Displays
example.oneway	Example Functions For Trellis Displays
example.overplot	Example Functions For Trellis Displays
example.pages	Example Functions For Trellis Displays
example.parallel	Example Functions For Trellis Displays
example.qqplot	Example Functions For Trellis Displays
example.qqpool	Example Functions For Trellis Displays
example.quantile	Example Functions For Trellis Displays
example.reorder	Example Functions For Trellis Displays



example.rfs	Example Functions For Trellis Displays
example.robust	Example Functions For Trellis Displays
example.shingle	Example Functions For Trellis Displays
example.sl	Example Functions For Trellis Displays
example.slice.box	Example Functions For Trellis Displays
example.smooth	Example Functions For Trellis Displays
example.splom	Example Functions For Trellis Displays
example.splom2	Example Functions For Trellis Displays
example.splom3	Example Functions For Trellis Displays
example.strip	Example Functions For Trellis Displays
example.tmd	Example Functions For Trellis Displays
example.units.cm	Example Functions For Trellis Displays
example.wire	Example Functions For Trellis Displays
example.wire2	Example Functions For Trellis Displays
fusion.time	Sample Data Sets for Trellis Graphics
ganglion	Sample Data Sets for Trellis Graphics
hamster	Sample Data Sets for Trellis Graphics
histogram	Histogram of a Distribution
iris.trellis	Device Colormaps for Trellis Graphics
is.shingle	Create a Shingle Object
levelplot	Produce a Contour Plot or Level Plot
melanoma	Sample Data Sets for Trellis Graphics
oneway	Fits a One-way Model to Univariate Data Grouped by a Factor
panel.abline	Add Lines to a Panel
panel.barchart	Panel Function for Barcharts
panel.bwplot	Panel Function for Box and Whisker Plots (Box Plots)
panel.cloud	Panel Function for 3D Point Cloud
panel.contourplot	Panel Function for Contour Plots and Level Plots
panel.densityplot	Panel Function for Density Plots
panel.dotplot	Panel Function for Dotplots
panel.fill	Fill in a Panel
panel.grid	Add Reference Grid to Panels
panel.histogram	Panel Function for Histograms
panel.levelplot	Panel Function for Contour Plots and Level Plots
panel.lmline	Add Linear Regression Line to Panel
panel.loess	Add Smooth Loess Curve to Panel
panel.parallel	Panel Function for Parallel Coordinates Plots
panel.piechart	Panel Function for Pie Charts
panel.plot.shingle	Panel Function for plot.shingle
panel.qq	Panel Function for Scatterplots
panel.qqmath	Panel Function for Scatterplots
panel.qqmathline	Fit Line to QQ-Plot in Panel
panel.splom	Panel Function for Scatterplots
panel.stripplot	Panel Function for 1-D Strip Plot
panel.superpose	Panel Function for Superposition
panel.tmd	Panel Function for Tukey Mean-Difference Displays
panel.wireframe	Panel Function for Wireframe Surface
panel.xyplot	Panel Function for Scatterplots
parallel	Parallel Coordinate Plots
piechart	Pie Charts
plot.shingle	Plot Method for Shingles
polarization	Sample Data Sets for Trellis Graphics
prepanel.lmline	Preliminary Computations to Add Linear Regression Line
prepanel.loess	Preliminary Computations to Add Smooth Loess Curve
prepanel.qqmathline	Preliminary Computations to Fit Line to QQ-Plot
print.trellis	Plot (!) a Trellis Object
qq	Quantile-Quantile Plots for Comparing Multiple Distributions
qqmath	Q-Q Plot Using a Theoretical or Empirical Distribution

reorder.factor	Reorder the Levels of a Factor
rfs	Residual and Fit Spread Plots
rubber	Sample Data Sets for Trellis Graphics
shingle	Create a Shingle Object
show.settings	Show the Trellis Customization Settings
singer	Sample Data Sets for Trellis Graphics
spiom	Multi-Panel Scatterplot Matrices
strip.default	Generate Strip Labels
stripplot	One-Dimensional Scatter Plot
tmd	Tukey Mean-Difference Plot
trellis.datasets	Sample Data Sets for Trellis Graphics
trellis.device	Starts Display Device For Trellis Functions
trellis.examples	Example Functions For Trellis Displays
trellis.par.get	Get and Set Trellis Parameters
trellis.par.set	Get and Set Trellis Parameters
trellis.settings	Device Customization Settings For Trellis Displays
trellis.settings.bw	Device Customization Settings For Trellis Displays
trellis.settings.bwps	Device Customization Settings For Trellis Displays
trellis.settings.color	Device Customization Settings For Trellis Displays
trellis.settings.colorps	Device Customization Settings For Trellis Displays
trellis.settings.motif	Device Customization Settings For Trellis Displays
trellis.settings.winbwps	Device Customization Settings For Trellis Displays
trellis.settings.wincolorps	Device Customization Settings For Trellis Displays
trellis.settings.wingraph	Device Customization Settings For Trellis Displays
trellis.settings.winpcl	Device Customization Settings For Trellis Displays
wireframe	3-D Wireframe Surface
xyplot	Conditioning Plots/Scatter Plots

## User Interface Programming

cbGetActiveProp	Get Property Associated With Dialog Control
cbGetCurrValue	Get/Set Current Value of a Property
cbGetDialogId	Get Unique Dialog Id
cbGetEnableFlag	Get/Set Enable Flag for a Dialog Property
cbGetOptionList	Get/Set Options List for a Dialog Property
cbGetPrompt	Get/Set Prompt for a Dialog Property
cbIsApplyMessage	Checks Message Type from Dialog
cbIsCancelMessage	Checks Message Type from Dialog
cbIsInitDialogMessage	Checks Message Type from Dialog
cbIsOkMessage	Checks Message Type from Dialog
cbIsUpdateMessage	Checks Message Type from Dialog
cbSetCurrValue	Get/Set Current Value of a Property
cbSetEnableFlag	Get/Set Enable Flag for a Dialog Property
cbSetOptionList	Get/Set Options List for a Dialog Property
cbSetPrompt	Get/Set Prompt for a Dialog Property
display.messagebox	Display a Message Box
export.data	Export Data
export.graph	Export Graph
getTextOutputRouting	Text Output Routing Preference
guiCopy	Copy a GUI Object
guiCreate	Creates a New GUI Object
guiDisplayDialog	Display a Dialog Box
guiDisplayFileDialog	Display a File Dialog
guiEval	Evaluate an expression and commit change to the database
guiGetArgumentNames	Get Argument Names For a GUI Class
guiGetClassNames	Get the List of All GUI Classnames
guiGetObjectNames	Get GUI Object Names
guiGetPropertyNames	Get Property Names of a GUI Class.

guiGetPropertyValue	Get Property Value on a GUI Object.
guiGetSelectionNames	Get Selection Object Names
guiLoadDefaultObjects	Load/Store GUI objects
guiModify	Modify a GUI object
guiModifyDialog	Modify a Property of a Live Dialog.
guiMove	Move a GUI Object
guiOpen	Open an S-PLUS Document File
guiOpenView	Open a New View on a Document.
guiPrint	Print a document to the printer.
guiRemove	Remove A GUI Object.
guiSave	Saves a Document Object
guiStoreDefaultObjects	Load/Store GUI objects
import.data	Import Data From a File
setTextOutputRouting	Text Output Routing Preference

## Utilities

BATCH	Batch (Non-Interactive) Execution of S-PLUS
COMPILE	Compile files for use with S-PLUS.
Command.edit	Command Line Editing in S-PLUS
LOAD	Create a Private Version of S-PLUS
TRUNC_AUDIT	Truncate the Audit File
masked	Report Masked S-PLUS Objects
std.tolerance	Tolerances for Numeric Comparisons
validate	Validation Tests