

Dictionnaire des fonctions de S-PLUS® 4

-	Arithmetic Operators
!	Logical Operators
!=	Comparison Operators
\$	Extract or Replace Parts of an Object - Generic operator
%%	Arithmetic Operators
%*%	Matrix Multiplication Operator
%/%	Arithmetic Operators
%o%	Generalized Outer Products
&	Logical Operators
&&	Conditional Expressions and Operators
*	Arithmetic Operators
.C	Call a Fortran or C Routine
.Device	Control Multiple Graphics Devices
.Devices	Control Multiple Graphics Devices
.First	Startup and Wrapup Actions
.First.lib	Shared Functions and Datasets
.First.local	Startup and Wrapup Actions
.Fortran	Call a Fortran or C Routine
.Internal	Call Internal C Code
.laenv	Tuning Parameters for Linear Algebra Computations
.Last	Startup and Wrapup Actions
.Last.lib	Shared Functions and Datasets
.Last.value	Keep the Value of the Last Un-assigned S Expression
.Machine	Machine Arithmetic Constants
.Program	Control Execution of S-PLUS
.Random.seed	Seeds for Random Number Generators
.S	Call an Old-S (S-PLUS Version 1.x) Function
.Uminus	Arithmetic Operators
/	Arithmetic Operators
:	Sequences of Numbers
[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
[[<-	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
[<-.factor	Subscript a Factor Object
^	Arithmetic Operators
_	Assign a Name to an Object
{	The Structure of S-PLUS Expressions
	Logical Operators
	Conditional Expressions and Operators
~	Model Formula Objects
+	Arithmetic Operators
<-	Assign a Name to an Object
<	Comparison Operators
<<-	Assign a Name to an Object

<=	Comparison Operators
==	Comparison Operators
->	Assign a Name to an Object
>	Comparison Operators
>=	Comparison Operators
abbreviate	Generate Abbreviations
abline	Plot Line in Intercept-Slope Form
abline.default	Plot Line in Intercept-Slope Form
abs	Absolute Value
access	Check for file existence, readability, or writability
ace	Regression Model Linearization
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
acos	Inverse Trigonometric Functions
acosh	Inverse Hyperbolic Trigonometric Functions
add.scope	Resolve Scopes for Formulas
add1	Compute Models by Adding One Term - Generic Function
add1.lm	Add Terms to a Linear Model Object
aggregate	Compute Summary Statistics of Subsets of Data
aggregate.cts	Decrease Periodicity of Time Series by Aggregation
aggregate.data.frame	Compute Column by Column Summaries of Groups of Observations in Data Frame
aggregate.default	Compute Summary Statistics of Subsets of Data
aggregate.rts	Decrease Periodicity of Time Series by Aggregation
agnes	Agglomerative Nesting
agnes.object	Agglomerative Nesting Object
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
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
alias.lm	Alias Pattern for Linear Regression Model Objects
alias.mlm	Alias Pattern for Linear Regression Model Objects
all	Logical Sum and Product
all.equal	Test Two Objects for Full Equality - Generic function
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
anova	Compute an Anova Table - Generic function
anova.gam	ANOVA Table for a GAM Object
anova.lme	Calculate Likelihood Ratio, AIC, and BIC for lme Objects
anova.loess	Anova Method for Loess Objects
any	Logical Sum and Product
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
aperm	Array Permutations
aperm.default	Array Permutations
append	Insert or Merge Data
apply	Apply a Function to Sections of an Array
approx	Linear Interpolation of Points

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
Arg	Basic Complex Number Manipulation
arma.diag	Compute Diagnostics for ARIMA Model
arma.diag.plot	Plot Diagnostics for ARIMA Model
arma.filt	Apply an ARIMA Filter to a Time Series
arma.forecast	Forecast a Time Series Using an ARIMA Model
arma.fracdiff	Fractionally-Differenced ARIMA Modeling via Gaussian MLE
arma.fracdiff.sim	Simulate Long-memory Time-series Data
arma.fracdiff.var	Recompute Covariance Estimate for arma.fracdiff
arma.mle	ARIMA Modeling via Gaussian Maximum Likelihood
arma.sim	Simulate a Univariate ARIMA Series
arma.td	Coefficients for Trading Day Regression
Arithmetic	Arithmetic Operators
array	Multi-Way Arrays
arrows	Plot Disconnected Line Segments or Arrows
as.array	Multi-Way Arrays
as.call	Function Calls
as.character	Character Objects
as.complex	Complex Valued Objects
as.data.frame	Construct a Data Frame Object
as.double	Double Precision Objects
as.expression	Expression Objects
as.factor	Create Factor Object
as.formula	Define or Extract a Model Formula - Generic Function
as.function	Function Objects
as.integer	Integer Objects
as.list	List Objects
as.logical	Logical Objects
as.Matrix	Conversion to Matrix Objects
as.matrix	Matrix Objects
as.name	Name Objects
as.null	Null Objects
as.numeric	Numeric Objects
as.ordered	Create or Modify Ordered Factors
as.qr	QR Matrix Decomposition
as.rts	Regular Time Series Objects
as.shingle	Create a Shingle Object
as.single	Single Precision Objects
as.ts	Time Series Objects
as.variable	Make Factor or Numeric Variable out of Vector
as.vector	Vectors (Simple Objects)
AsciiToInt	Convert ASCII Characters to Decimal Representation
asin	Inverse Trigonometric Functions
asinh	Inverse Hyperbolic Trigonometric Functions
assign	Assign Object to Database or Frame
assign.default	Assign Object to Database or Frame
Assignment	Assign a Name to an Object
atan	Inverse Trigonometric Functions
atanh	Inverse Hyperbolic Trigonometric Functions
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
attr	Attribute of an Object
attributes	All Attributes of an Object

author	Character Counts for Books by Various Authors
author.count	Character Counts for Books by Various Authors
auto	Statistics of Automobile Models
avas	Additivity and Variance Stabilization for Regression
axes	Plot Titling Information and/or Axis Labels
axis	Add an Axis to the Current Plot
axum.options	Control details of how new high level device drivers (axum,obj.graph) work
backsolve	Backsolve Upper-Triangular Equations
banking	Aspect Ratio Computations for Banking
bar.old	Style List for Barplots
bar.splus	Style List for Barplots
barchart	Bar Graph
barley	Barley Disease Data
barley	Sample Data Sets for Trellis Graphics
barley.disease	Barley Disease Data
barley.exposed	Barley Disease Data
barplot	Bar Graph
basis.tree	Compute Orthogonal Basis for a Tree Object
BATCH	Batch (Non-Interactive) Execution of S-PLUS
Beta	Beta Distribution
beyond.limits	Indices of Points Beyond Control Limits in Shewhart Chart
bicoal	Bituminous Coal Production in USA
bicoal.tons	Bituminous Coal Production in USA
biexp	Biexponential Model
binom.test	Exact Binomial Test
Binomial	Binomial Distribution
binomial	Generate a Family Object
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
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
bootstats	Calculate Bootstrap Statistics
bootstrap	General Nonparametric Bootstrapping
box	Add a Box Around a Plot
boxes	Boxplots at Specified Locations
boxplot	Boxplots
break	Controlling Flow of Evaluation
browser	Browse an Object - Generic function
browser.default	Browse Interactively in a Function's Frame
browser.ms	Interactive browser for Tracing Minimization
browser.tree	Return Contents of Selected Nodes of a Tree Object
brush	Brush a Matrix of Scatter Plots
bs	Generate a Basis for Polynomial Splines
burl.tree	View Splits for Nodes of a Tree Object
bwplot	Box and Whisker Plot (Box Plot)
bwps.trellis	Device Colormaps for Trellis Graphics
bxp	Boxplots From Processed Data
bxp.att	Style List for Boxplots
bxp.old	Style List for Boxplots
bxp.splus	Style List for Boxplots
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
c	Combine Values into a Vector or List

C	Factor with Chosen Contrasts
call	Function Calls
call_S	Call S-PLUS from a C Routine
cancor	Canonical Correlation Analysis
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
casefold	Convert Case of Character Strings
cat	General Printing
catalyst	Comparing the Yield of Two Catalysts
Cauchy	Cauchy Distribution
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
cbind	Build Matrix from Columns or Rows
cbind.data.frame	Build Data Frame from Columns
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
cdf.compare	Graphs Two Cumulative Distribution Functions.
ceiling	Integer Values
cereal	Consumer Attitudes Towards Breakfast Cereals
cereal.attitude	Consumer Attitudes Towards Breakfast Cereals
character	Character Objects
charmatch	Partial Matching of Character Strings
chb	Constants for Huber and Bisquare Psi
check.factor	Check for a Legitimate Factor Object
chernoff2	Mineral Contents Data (used by Chernoff)
chisq.gof	Chi square Goodness-of-Fit Test
chisq.test	Pearson's Chi-square Test for Count Data
Chisquare	Chi-Square Distribution
chol	Choleski Decomposition of Symmetric Matrix
choose	Factorial, Combinations, Permutations
choose.multinomial	Factorial, Combinations, Permutations
chron	Create a Chronological Object
chull	Convex Hull of a Planar Set of Points
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
clara	Clustering Large Applications
clara.object	Clustering Large Applications Object
class	Class Attribute of an Object

clear.frame	Move or Clear a Created Frame
clorder	Re-Order Leaves of a Cluster Tree
close.screen	Split a Graphics Display and Control Multiple Screens
cloud	3-D Point Cloud
cluster	Identify clusters.
cmdscale	Classical Metric Multi-Dimensional Scaling
co.intervals	Conditioning Intervals
CO2	CO2 Uptake Versus Concentration Data
co2	Mauna Loa Carbon Dioxide Concentration
CO2.func	Carbon Dioxide Uptake Model
CO2.plot	Trellis Plot of Carbondioxide Uptake Data
codes	Codes of an Ordered Factor
coef	Extract Coefficients, etc. from a Model
coef.default	Extract Coefficients, etc. from a Model
coef.lme	Calculate Cluster Coefficients for lme Objects
coef.lmList	Calculate Coefficients for lmList Objects
coefficients	Extract Coefficients, etc. from a Model
col	Column and Row Identification in a Matrix
colMeans	Row and Column Summaries
color.key	Put a Color Key on a Plot
colorps.trellis	Device Colormaps for Trellis Graphics
colSums	Row and Column Summaries
colVars	Row and Column Summaries
Command.edit	Command Line Editing in S-PLUS
compare	Signum Function and Comparison
Comparison	Comparison Operators
COMPILE	Compile files for use with S-PLUS.
Complex	Basic Complex Number Manipulation
complex	Complex Valued Objects
conflicts	Report on Conflicts Among Databases
Conj	Basic Complex Number Manipulation
contour	Contour Plot
contour.old	Contour Plot
contourplot	Produce a Contour Plot or Level Plot
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
coplot	Conditioning Plot
cor	Variance, Covariance, and Correlation
cor.test	Test for Zero Correlation
corn	Corn Yields and Rainfall
corn.rain	Corn Yields and Rainfall
corn.yield	Corn Yields and Rainfall
cos	Trigonometric Functions
cosh	Hyperbolic Trigonometric Functions
count.fields	Count the Number of Fields per Line
County	United States Map
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
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
crossprod	Matrix Cross Product
crosstabs	Create a Contingency Table from Factor Data
cts	Regular Calendar Time Series Objects
cu.dimensions	Automobile Data from Consumer Reports
cu.specs	Automobile Data from Consumer Reports
cu.summary	Automobile Data from Consumer Reports
cummax	Cumulative Maxima and Minima
cummin	Cumulative Maxima and Minima
cumprod	Cumulative Sums and Products
cumsum	Cumulative Sums and Products
cusum	Plot a Cumulative Sum Quality Control Chart
cusum.object	Cusum Quality Control Chart Object
cut	Create Category by Cutting Continuous Data
cut.dates	Create a Factor from a Dates Object
cut.default	Create Category by Cutting Continuous Data
cutree	Create Groups from Hierarchical Clustering
cv.tree	Cross Validation of a Tree Sequence
cycle	Create Time Vector or Index of Frequency.
daisy	Dissimilarity Matrix Calculation
data.class	Class of an Object
data.dump	Produce Text Representations of S-PLUS Objects
data.ed	Defunct: use Edit.data
data.frame	Construct a Data Frame Object
data.frame.object	Data Frame Objects
data.matrix	Convert a Data Frame into a Numeric Matrix
data.restore	Bring Back Dumped Objects
data.tree	Return Data Used To Grow a Tree
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
dataset.date	Time Dataset was Last Changed
date	Today's Date and Time
dates	Generate Dates
dating	Sample Data Sets for Trellis Graphics
day.of.week	Convert between Julian and Calendar Dates
days	Return Various Periods from a Dates Object
dbdetach	Database Manipulation Routines - Generic functions
dbeta	Beta Distribution
dbexists	Database Manipulation Routines - Generic functions
dbinom	Binomial Distribution
DBLEPR	Printing from a Fortran Routine
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
dcauchy	Cauchy Distribution
dchisq	Chi-Square Distribution
debugger	Computational State at the Time of an Error
deltat	Sampling Frequency of a Time Series
demod	Complex Demodulation with Least Squares Lowpass Filter
density	Estimate Probability Density Function
densityplot	Probability Density Plots
deparse	Turn Parsed Expression into Character Form

deriv	Symbolic Partial Derivatives of Expressions
deriv.default	Symbolic Partial Derivatives of Expressions
design	Generate a Design Object
design.object	Design Objects
design.table	Arrange Response as a Array
det	Determinant of a Matrix --- Generic Function
det.eigen.Hermitian	Determinant of Hermitian Matrix from Eigenvalues
det.eigen.Matrix	Determinant of a Matrix from Eigenvalue Decomposition
det.Hermitian	Determinant of a Hermitian Matrix
det.LowerTriangular	Determinant of a Triangular Matrix
det.lu.Hermitian	Determinant of a Hermitian Matrix from Triangular Factorization
det.lu.Matrix	Determinant of a Matrix from LU Decomposition
det.Matrix	Determinant of a Matrix
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
det.UnitLowerTriangular	Determinant of a Triangular Matrix
det.UnitUpperTriangular	Determinant of a Triangular Matrix
det.UpperTriangular	Determinant of a Triangular Matrix
detach	Detach Data from Search List
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
deviance	Deviance of a Fitted Model - Generic Function
deviance.tree	Deviance of a Tree Object
Device.Default	Initialize Graphics Device
Devices	List of Graphical Devices
dexp	Exponential Distribution
df	F Distribution
dgamma	Gamma Distribution
dgeom	Geometric Distribution
dget	Write a Text Representation of an S-PLUS Object
dhyper	Hypergeometric Distribution
diag	Diagonal Matrices
diana	Divisive Analysis
diana.object	Divisive Analysis Object
diff	Create an Object of Differences
dim	Dim Attribute of an Object
dim<-	Dim Attribute of an Object
dimnames	Dimnames Attribute of an Object
discr	Multiple Discriminant Analysis
display.messagebox	Display a Message Box
dissimilarity.object	Dissimilarity Matrix Object
dist	Distance Matrix Calculation
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
dlnorm	Lognormal Distribution

dlogis	Logistic Distribution
dmvnorm	Multivariate Normal (Gaussian) Distribution
DNase	Assay Data for the Protein DNase
DNase.plot	Trellis Plot of DNase Data
dnbinom	Negative Binomial Distribution
dnorm	Normal (Gaussian) Distribution
dnrange	Distribution of the Range of Standard Normals
do.call	Execute a Function Call
dos	Execute a DOS Command
dos.time	Execution Times
dotchart	Draw a Dot Chart
dotplot	Multi-way Dot Plot
double	Double Precision Objects
double.buffer	Control double buffering of graphics window for dynamic graphics
dpois	Poisson Distribution
dput	Write a Text Representation of an S-PLUS Object
drop	Drop Length One Dimensions of an Array
drop.scope	Resolve Scopes for Formulas
drop1	Compute Models by Dropping Terms - Generic function
drop1.lm	Compute an Anova Object by Dropping Terms
drug.mult	Drug Study Data for Repeated Measures
dt	Student's t-Distribution
dummy.coef	Extract Original Coefficients from a Linear Model - Generic Function
dump	Produce Text Representations of S-PLUS Objects
dump.calls	Save All Calls or Frames on Errors
dump.frames	Save All Calls or Frames on Errors
dump.loaded	Code Availability
dunif	Uniform Distribution
duplicated	Unique or Duplicated Values in a Vector
dweibull	Weibull Distribution
dwilcox	Distribution of Wilcoxon Rank Sum Statistic
dyn.load	Dynamically Load an Object File
dyn.load.lib	Dynamically Load Code Needed for Library Section
ed	Invoke ed Text Editor
Edit	Edit function using S-PLUS script window
edit	Text Editor
Edit.data	Edit a dataset
edit.tree	Change Node Splits in a Binary Tree
eff.aovlist	Compute Efficiency Factors for aovlist Model Terms
effects	Single Degree of Freedom Effects from Fitted Model
effects.lm	Single Degree-of-freedom Effects for an lm Object
eigen	Eigenvalues and Eigenvectors of a Matrix
eigen.default	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
else	Conditional Expressions and Operators
emacs	Invoke emacs Text Editor
end	Starting and Ending Times for Time Series
environmental	Sample Data Sets for Trellis Graphics
equal.count	Create Shingle of Conditioning Intervals
erase.screen	Split a Graphics Display and Control Multiple Screens
error.bar	Plot Pointwise Error Bars
ethanol	Measurement of Exhaust from Burning Ethanol
eval	Evaluate an Expression
evap	Soil Evaporation Data
evap.x	Soil Evaporation Data

evap.y	Soil Evaporation Data
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.drapping	Example Functions For Trellis Displays
example.drapping2	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
exists	Search for an S-PLUS Object
exists.default	Search for an S-PLUS Object
exp	Exponential Functions
expand	Expand a Decomposition into Factors --- Generic Function
expand.eigen.Matrix.object	Expanded Eigenvalue Decomposition Object
expand.grid	Create Data Frame from Marginal Grid
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
Exponential	Exponential Distribution
export.data	Export Data
export.graph	Export Graph
expression	Expression Objects

F	F Distribution
fac.design	Generate Factorial Designs
faces	Plot Symbolic Faces
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
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
factor	Create Factor Object
factor.names	Factor and Level Names
factor.names<-	Factor and Level Names
factor.scope	Resolve Scopes for Formulas
factorial	Factorial, Combinations, Permutations
family	Generate a Family Object
family.default	Generate a Family Object
family.object	A Family of GLM Models
fanny	Fuzzy Analysis
fanny.object	Fuzzy Analysis Object
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
fft	Fast Fourier Transform
file.exists	Check if a File Exists
files.in.dir	Files in a Directory
filter	Apply a Filter to a Time Series
find	Find the Database that Contains an Object
find.calls	Find Calls to a Function
first.order.log	First Order Compartment Model
fisher.test	Fisher's Exact Test for Count Data
fitted	Extract Coefficients, etc. from a Model
fitted.default	Extract Coefficients, etc. from a Model
fitted.factanal	Extract Fitted Correlation Matrix or Residuals
fitted.values	Extract Coefficients, etc. from a Model
fix	Fix a Function.
fixed.effects	Calculate Fixed Effects Estimates
fixed.effects.lme	Calculate Fixed Effects Estimates for lme Objects
fixed.effects.lmList	Calculate Fixed Effects Estimates for lmList Objects
floor	Integer Values
font	Vector Drawn Fonts
for	Controlling Flow of Evaluation
For	Manage Compute-Intensive Iteration
format	Formatted Character Data
format.dates	Support for Function dates.
format.default	Format Atomic Data
formula	Define or Extract a Model Formula - Generic Function
formula.default	Define or Extract a Model Formula - Generic Function
formula.object	Model Formula Objects
fpl	Four-Parameter Logistic Model
fractionate	Produce a Fractional Factorial Design
frame	Advance Graphics Device to Next Frame or Figure
frame.attr	Attributes of the Current Evaluation Frame
frame.attributes	Attributes of the Current Evaluation Frame
freeny	Revenue Data

freeny.x	Revenue Data
freeny.y	Revenue Data
frequency	Sampling Frequency of a Time Series
friedman.test	Friedman Rank Sum Test
fuel.frame	Automobile Data from Consumer Reports
function	The Structure of S-PLUS Expressions
fusion.time	Sample Data Sets for Trellis Graphics
galaxy	Radial Velocity of Galaxy NGC7531
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
GAMMA	Gamma Distribution
gamma	Gamma Function (and its Natural Logarithm)
Gamma	Generate a Family Object
ganglion	Sample Data Sets for Trellis Graphics
gas	Measurement of Exhaust from Burning Ethanol
gaussian	Generate a Family Object
Geometric	Geometric Distribution
get	Search for an S-PLUS Object
get.default	Search for an S-PLUS Object
getenv	Get Environment Variables
getTextOutputRouting	Text Output Routing Preference
geyser	Old Faithful Geyser Data
ginverse	Generalized Inverse of a Matrix
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
gr.pars	Names of Graphical Parameters
graft.tree	Graft a Subtree onto the Original Tree
graphics.off	Turn Off All Graphics Devices
graphsheat	Graphics Device for Windows/NT
grep	Search for Pattern in Text
guayule	Rate of Germination of Treated Guayule Seeds
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
guiLocator	Get Coordinates from GUI plot
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
gun	Speed of Firing Naval Guns
halibut	Halibut Data
hamster	Sample Data Sets for Trellis Graphics
hat	Hat Diagonal Regression Diagnostic
hclust	Hierarchical Clustering
heart	Sample Data Sets For Survival Analysis
help	On-Line Documentation
Hermitian.test	Test for Symmetry or Conjugate Symmetry in a Matrix
hex.legend	Add a Legend Hexagonal Lattice Plot
hexagons	Add Hexagonal Cells to Plot of "hexbin" Object
hist	Plot a Histogram
hist.factor	Plot a Histogram
hist.tree	Histograms of Predictors at Tree Nodes
hist2d	Calculate Two-Dimensional Histogram
histogram	Histogram of a Distribution
hours	Return Hours, Minutes, or Seconds from a Times Object
hpgl	Hewlett-Packard HP-GL Plotters
hstart	US Housing Starts
htest.object	Hypotheses Testing Objects
Hypergeometric	Hypergeometric Distribution
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
if	Conditional Expressions and Operators
ifelse	Conditional Data Selection
Im	Basic Complex Number Manipulation
image	Plot a Grayscale or Color Image
image.legend	Add a Legend to an Image Plot
import.data	Import Data From a File
Indometh	Pharmacokinetics of Indomethicin
Indometh.plot	Trellis Plot of Indomethicin Data
info	Information on the Current S-PLUS
inherits	Test Inheritance of an Object
inspect	Diagnostic Evaluation Under Interactive Control
integer	Integer Objects
integrate	Integral of a Real-valued Function over an Interval.
interaction	Compute the Interaction of Several Factors
interaction.plot	Two-Way Interaction Plots
interactive	Test For Interactive Execution of S-PLUS
interp	Bivariate Interpolation for Irregular Data
intersect	Find the Intersection of Multiple Sets
INTPR	Printing from a Fortran Routine
inverse	Matrix Inverse
inverse.gaussian	Generate a Family Object
invisible	Mark Function as Non-Printing
iris	Fisher's Iris Data
iris.trellis	Device Colormaps for Trellis Graphics
is.all.white	Test for White Space
is.array	Multi-Way Arrays
is.atomic	Test for Recursive or Atomic Objects
is.call	Function Calls

is.character	Character Objects
is.ColOrthonormal	Test for Orthonormality in a Matrix
is.complex	Complex Valued Objects
is.cts	Regular Calendar Time Series Objects
is.data.frame	Construct a Data Frame Object
is.dir	Check if a Directory Exists
is.double	Double Precision Objects
is.expression	Expression Objects
is.factor	Create Factor Object
is.finite	Check IEEE Arithmetic Values
is.function	Function Objects
is.Hermitian	Test for Symmetry or Conjugate Symmetry in a Matrix
is.infinite	Check IEEE Arithmetic Values
is.integer	Integer Objects
is.its	Irregular Time Series Object
is.language	Test for Recursive or Atomic Objects
is.list	List Objects
is.loaded	Code Availability
is.logical	Logical Objects
is.LowerTriangular	Test for Triangularity in a Matrix
is.matrix	Matrix Objects
is.na	Test For Missing Values - Generic function
is.name	Name Objects
is.nan	Check IEEE Arithmetic Values
is.null	Null Objects
is.number	Check IEEE Arithmetic Values
is.numeric	Numeric Objects
is.ordered	Create or Modify Ordered Factors
is.Orthonormal	Test for Orthonormality in a Matrix
is.qr	QR Matrix Decomposition
is.random	Random Factors
is.ratetable	Verify that an object is of class ratetable.
is.recursive	Test for Recursive or Atomic Objects
is.RowOrthonormal	Test for Orthonormality in a Matrix
is.rts	Regular Time Series Objects
is.shingle	Create a Shingle Object
is.single	Single Precision Objects
is.Surv	Create a Survival Object
is.ts	Time Series Objects
is.UpperTriangular	Test for Triangularity in a Matrix
is.vector	Vectors (Simple Objects)
its	Irregular Time Series Object
ivp.ab	Initial Value Solver for Systems of Ordinary Differential Equations
jack.after.bootstrap	Perform Jackknife-After-Bootstrap
jackknife	General Nonparametric Jackknife
jackstats	Calculate Jackknife Statistics
jitter	Separate Data Points by Jittering
julian	Convert between Julian and Calendar Dates
kappa	Estimate the Condition Number
kappa.default	Estimate the Condition Number
key	Put a Key or Legend on a Plot
kmeans	Hartigan's K-Means Clustering
kronecker	Kronecker Products
kruskal.test	Kruskal-Wallis Rank Sum Test
ks.gof	Kolmogorov-Smirnov Goodness-of-Fit Test
ksmooth	Densities or Regressions Using Kernel Smoothers
kyphosis	Spinal Disease in Children Data
l1fit	Minimum Absolute Residual (L1) Regression

la.env	Set Tuning Parameters for Linear Algebra Computations
labclust	Label a Cluster Plot
labels	Labels for Printing or Plotting - Generic function
labels.default	Labels for Printing or Plotting - Generic function
lag	Create a Lagged Time Series
lag.plot	Plot Lagged Scatter Plots
lapply	Apply a Function to Components of a List
leap.year	Convert between Julian and Calendar Dates
leaps	All-Subset Regressions by Leaps and Bounds
legend	Put a Legend on a Plot
length	Length of a Vector or List
LETTERS	The Alphabet
letters	The Alphabet
leukemia	Sample Data Sets For Survival Analysis
levelplot	Produce a Contour Plot or Level Plot
levels	Levels Attribute
levels.factor	Levels Attribute for Factor Objects.
levels<-.factor	Levels Attribute for Factor Objects.
lgamma	Gamma Function (and its Natural Logarithm)
library	Shared Functions and Datasets
limits.bca	Calculate BCa Percentiles
limits.c	Shewhart Quality Control Limits
limits.emp	Calculate Empirical Percentiles of Replicates
limits.np	Shewhart Quality Control Limits
limits.p	Shewhart Quality Control Limits
limits.R	Shewhart Quality Control Limits
limits.s	Shewhart Quality Control Limits
limits.u	Shewhart Quality Control Limits
limits.xbar	Shewhart Quality Control Limits
lines	Add Lines or Points to Current Plot
lines.survfit	Add Lines to a Survival Plot
list	List Objects
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
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
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
lmList	Create a List of lm Objects with Common Regression Model
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
lo	Specify a Loess Fit in a GAM Formula
LOAD	Create a Private Version of S-PLUS
loadings	Extract Loadings from an Object
loadings.default	Extract Loadings from an Object

loadings.object	Loadings Matrix Objects
location.lms	Univariate Least Median Squares Location and Scale Estimation
location.lts	Univariate Location and Scale Estimation
location.m	Robust M-estimates of Location
locator	Get Coordinates from Plot
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
log	Exponential Functions
log10	Exponential Functions
Logic	Logical Operators
logical	Logical Objects
Logistic	Logistic Distribution
logistic	Logistic Model (Three-Parameter)
loglin	Contingency Table Analysis
Lognormal	Lognormal Distribution
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)
lower.tri	Logical Matrix Giving the Lower Triangle
LowerTriangular.test	Test for Triangularity in a Matrix
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
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
lung	Sample Data Sets For Survival Analysis
lynx	Canadian Lynx Trappings
mad	Median Absolute Deviation
mahalanobis	Mahalanobis Distance
make.fields	Convert Fixed Format Data to Fields
make.names	Make Character Strings into Legal S-PLUS Names
manova	Fit a Multivariate Analysis of Variance Model
mantelhaen.test	Mantel-Haenszel Chi-Square Test for Count Data

maov.object	Analysis of Variance Objects
map	Draw Geographical Maps
mapproject	Apply a Map Projection
market.survey	AT&T Telemarketing Data
masked	Report Masked S-PLUS Objects
match	Match Items in Vector - Generic function
match.arg	Argument Verification Using Partial Matching
match.call	Argument Matching
Math.data.frame	Math Group Method for Data Frame Objects
matlines	Plot Columns of Matrices
matplot	Plot Columns of Matrices
matpoints	Plot Columns of Matrices
Matrix	Construct a Classed Matrix
matrix	Matrix Objects
Matrix.class	Subclass Determination for Matrices.
Matrix-product	Matrix Multiplication Operator
max	Extremes
mcd.object	Minimum Covariance Determinant Object
mclass	Classification Produced By mclust
mclust	Model-based Hierarchical Clustering
mcnemar.test	McNemar's Chi-Square Test for Count Data
mean	Mean Value (Arithmetic Average)
meanvar.tree	Mean-Variance Plot for a Tree Object
median	Median
melanoma	Sample Data Sets for Trellis Graphics
mem.tally.report	Measure Memory Usage
mem.tally.reset	Measure Memory Usage
memory.size	Total Memory Used by Running S-PLUS
menu	Menu Interaction Function
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
menuLoess	Local Regression Dialog Functions
menuLoSmooth	Loess Smoothing Dialog Function
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
menuTree	Tree Regression Dialog Functions
menuTTest1	One-sample t Test
menuTTest2	Two-sample t Test
menuWilcoxTest1	One-sample Wilcoxon Signed Rank Test
menuWilcoxTest2	Two-sample Wilcoxon Test

merge	Merge Two Datasets and Match Columns
merge.data.frame	Merge Two Datasets and Match Columns
merge.default	Merge Two Datasets and Match Columns
merge.levels	Merge the Levels of a Factor
methods	List Methods of Generic Functions
Methods	Object-Oriented Methods
min	Extremes
minutes	Return Hours, Minutes, or Seconds from a Times Object
misclass.tree	Misclassification Errors for a Classification Tree
missing	Check for Missing Arguments
mkdir	Make a Directory
mlm	Linear Least Squares Model Object
mlm.object	Linear Least Squares Model Object
Mod	Basic Complex Number Manipulation
mode	Data Mode of the Values in a Vector
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
module	Access Add-On Module
mona	Monothetic Analysis
mona.object	Monothetic Analysis Object
month	Month Names and Abbreviations
month.abb	Month Names and Abbreviations
month.day.year	Convert between Julian and Calendar Dates
month.name	Month Names and Abbreviations
monthplot	Seasonal Subseries Plot
months	Return Various Periods from a Dates Object
move.frame	Move or Clear a Created Frame
mreloc	Iterative Relocation For mclust/^mclass'
ms	Fit a Nonlinear Model by Minimum Sums
ms.control	Control of minimization in ms
ms.object	Nonlinear Fitting Object
mstree	Minimal Spanning Tree and Multivariate Planing
mtext	Text in the Margins of a Plot
mulbar	Multiple Bar Plot
multicomp	Multiple Comparisons
multicomp.default	Multiple Comparisons
multicomp.lm	Multiple Comparisons
mve.object	Minimum Volume Ellipsoid Object
MVNormal	Multivariate Normal (Gaussian) Distribution
na.fail	Filter Missing Values From a Data Frame
na.gam.replace	A Missing Data Filter
na.include	Replace NA's in a Factor with a New Level
na.omit	Filter Missing Values From a Data Frame
na.tree.replace	Replace NA's in Predictor Variables
na.tree.replace.all	Replace NA's in Predictor Variables
names	Names Attribute of an Object
napsack	Solve Knapsack Problems
nargs	Number of Arguments to Function
nchar	Lengths of Character Strings
ncol	Extents of a Matrix
NegBinomial	Negative Binomial Distribution
new.database	Make a New Directory Database
new.frame	Create Explicit Frames in the Evaluator
next	Controlling Flow of Evaluation
NextMethod	Methods Invoked from S-PLUS Functions
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
nlmin	Find Local Minimum of a Nonlinear Function
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
nnls.fit	Nonnegative Least Squares
norm	Norms and Related Functions for Matrices --- Generic Function
norm.eigen.Hermitian	Spectral Norm for Hermitian Matrices
norm.Hermitian	Norm of a Hermitian Matrix
norm.LowerTriangular	Matrix Norm for Triangular Matrices.
norm.Matrix	Norm of a Matrix
norm.svd.Matrix	Spectral Norm from Eigenvalue Decomposition
norm.UnitLowerTriangular	Matrix Norm for Triangular Matrices.
norm.UnitUpperTriangular	Matrix Norm for Triangular Matrices.
norm.UpperTriangular	Matrix Norm for Triangular Matrices.
Normal	Normal (Gaussian) Distribution
nrow	Extents of a Matrix
ns	Generate Basis Matrix for Natural Cubic Splines
null	Null Objects
numeric	Numeric Objects
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.design	Generate an Orthogonal Array Design
oa.Matrices	Standard Orthogonal Array Designs
objcopy	Assign Copies of Objects to a Database
objdiff	Differences Between S-PLUS Objects
object.size	Internal Size of an Object
objects	Find S-PLUS Object Names
objects.summary	Summary Information about S-PLUS Objects
objprint	Print an S-PLUS object on a printer.
obliquemin	Oblimin Rotations of Loadings Matrix
odometer	Multi Radix Counter
on.exit	Exit Expression For a Function
oneway	Fits a One-way Model to Univariate Data Grouped by a Factor
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
optimize	Univariate Optimization of a Continuous Function.
options	Set or Return Options
Orange	Growth of Orange Trees
Orange.plot	Trellis Plot of Orange Data

order	Ordering to Create Sorted Data
order.tree	Reorder Terminal Nodes of a Binary Tree.
ordered	Create or Modify Ordered Factors
ordered<-	Create or Modify Ordered Factors
ordered<- .default	Create or Modify Ordered Factors
origin	Generate Dates
Orthodont	Orthodontic Measurements on Children
Orthodont.plot	Trellis Plot of Orthodontic Data
orthomax	Orthomax Rotations of Orthogonal Matrices
Orthonormal.test	Test for Orthonormality in a Matrix
outer	Generalized Outer Products
ovarian	Sample Data Sets For Survival Analysis
Ovary	Counts of Ovarian Follicles in Mares
Ovary.plot	Trellis Plot of Ovary Data
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.
page	Page Through Data
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
pairs.lmList	Use pairs() on an `lmList' Object
pam	Partitioning Around Medoids
pam.object	Partitioning Around Medoids Object
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.smooth	Smoothing Scatterplots on Multipanel Displays
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
par	Graphical Parameters
parallel	Parallel Coordinate Plots
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

parse	Parse Expressions
parse.test	Check if String is a Valid S-PLUS Expression
partition.object	Partitioning Object
partition.tree	Plot a Low-Dimensional Tree Object
paste	Concatenate Data to Make Character Data
path.tree	Follow Paths to Selected Nodes of a Tree
path.tree	Follow Paths to Selected Nodes of a Tree
pbeta	Beta Distribution
pbinom	Binomial Distribution
pcauchy	Cauchy Distribution
pchisq	Chi-Square Distribution
pdf.graph	Graphics Device to Produce Adobe Portable Document Format
peaks	Find Local Maxima
persp	Three-Dimensional Perspective Plots
persp.setup	Line Styles for Perspective Plots
perspp	Project Points onto Three-Dimensional Perspective Plots
pexp	Exponential Distribution
pf	F Distribution
pframe	Construct a Parameterized Data Frame Object
pframe.object	Parameterized Data Frame Objects
pgamma	Gamma Distribution
pgeom	Geometric Distribution
Pheno.func	Phenobarbital Model
Pheno.plot	Trellis Plot of Phenobarbital Data
Phenobarb	Pharmacokinetics Study of Phenobarbital
phyper	Hypergeometric Distribution
pi	Fundamental Constant
pie	Pie Charts
piechart	Pie Charts
pigment	Moisture Content of Pigments Experiment
pingpong	US Table Tennis Association Data
Pixel	Pixel Intensity Data
Pixel.plot	Trellis Plot of Pixel Intensity Data
platform	S-PLUS Platform Information.
plclust	Plot Trees From Hierarchical Clustering
plnorm	Lognormal Distribution
plogis	Logistic Distribution
plot	Plots - Generic function
plot.agnes	Banner Of Agglomerative Hierarchical Clusterings
plot.cox.zph	Graphical Test of Proportional Hazards
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.jack.after.bootstrap	Influence Plot Using Jackknife-After-Bootstrap
plot.lm	Generate Diagnostic Plots for an LM Object
plot.lme	Plot Components of an lme Object
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.resamp	Plot Method for Resample Objects
plot.shingle	Plot Method for Shingles
plot.stl	Plot an STL Object
plot.survfit	Plot Method for survfit
plot.times	Plot Method for Dates or Times Objects
plot.tree	Plot a Tree Object
plot.tree.sequence	Plot a Tree Sequence
plot.varcomp	Plot of Random Components
plotfit	Plot of a Two-Way Fit
plotlabels	Labels for Printing or Plotting - Generic function
plotlabels.default	Labels for Printing or Plotting - Generic function
pltree	Clustering Trees - Generic Function
pltree.agnes	Clustering Tree Of Agglomerative Hierarchical Clusterings
pltree.diana	Clustering Tree Of Divisive Hierarchical Clusterings
pmatch	Partial Matching of Character Items in a Vector
pmax	Parallel Maximum or Minimum
pmin	Parallel Maximum or Minimum
pmvnorm	Multivariate Normal (Gaussian) Distribution
pnbinom	Negative Binomial Distribution
pnorm	Normal (Gaussian) Distribution
pnrangle	Distribution of the Range of Standard Normals
points	Add Lines or Points to Current Plot
pointwise	Pointwise Confidence Limits for Predictions
poisson	Generate a Family Object
Poisson	Poisson Distribution
polarization	Sample Data Sets for Trellis Graphics
poly	Generate a Basis for Polynomial Regression
poly.transform	Transform Coefficients from Orthogonal Polynomial Form
polygon	Shade in a Polygonal Figure
polyroot	Find the Roots of a Polynomial
post.tree	PostScript Presentation Plot of a Tree Object
postscript	Graphics Device for PostScripttm Printers
ppoints	Plotting Points for QQplots
ppois	Poisson Distribution
ppreg	Projection Pursuit Regression
prcomp	Principal Components Analysis
pred.tree	Predicted Terminal Node from a Fitted Tree Object
predict	Make Predictions from a Fitted Model Object
predict.factanal	Factor Analysis Scores
predict.gam	Make Predictions from a Fitted GAM Object
predict.lme	Make Predictions from a Fitted lme Object
predict.loess	Evaluation of Local Regression Surfaces
predict.princomp	Principal Component Scores
predict.smooth.spline	Smoothing Spline at New Data
predict.tree	Predictions from a Fitted Tree Object
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
preplot	Precompute a Plotting Object - Generic Function
preplot.loess	Display of Fitted LOESS Models by Coplots
pretty	Vector of Prettied Values
prim	Particle Physics Data
prim4	Particle Physics Data

prim9	Particle Physics Data
princomp	Principal Components Analysis
princomp.object	Principal Component Objects
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.jack.after.bootstrap	Print a Jackknife-After-Bootstrap Object
print.list	Print a List
print.lme	Use print() on an `lme' Object
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.mem.tally	Measure Memory Usage
print.mona	Use print() on a `mona' object
print.objects.summary	Summary Information about S-PLUS Objects
print.pam	Use print() on a `pam' object
print.princomp	Print a Principal Components Object
print.resamp	Print a Resample 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.bootstrap	Print a Summary of Bootstrap 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.resamp	Print a Summary of Resample Object
print.summary.survfit	Print Survfit Summary
print.survfit	Print a Short Summary of a Survival Curve
print.tree	Print a Tree Object
print.trellis	Plot (!) a Trellis Object
print.ts	Print a Time Series
printer	Graphics Device for any Terminal
proc.time	Running Time of S-PLUS
procrustes	Procrustes Rotations
prod	Sums and Products
profile	Profile a Nonlinear Model - Generic Function
profile.ms	Profile Method for MS Objects
proj	Projection Matrix
proj.default	Projection Matrix

prompt.screen	Split a Graphics Display and Control Multiple Screens
prop.test	Proportions Tests
prune.misclass	Cost-complexity Pruning of Tree Object
prune.tree	Cost-complexity Pruning of Tree Object
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
pt	Student's t-Distribution
punif	Uniform Distribution
Puromycin	Biochemical Reactions of Cells Treated with Puromycin
pweibull	Weibull Distribution
pwilcox	Distribution of Wilcoxon Rank Sum Statistic
pyears	Person Years
q	Quit From S-PLUS
qbeta	Beta Distribution
qbinom	Binomial Distribution
qcauchy	Cauchy Distribution
qcc	Create a Quality Control Chart Object
qcc.object	Quality Control Chart Object
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
qq	Quantile-Quantile Plots for Comparing Multiple Distributions
qqline	Produce a Line through a Normal QQ-Plot
qqmath	Q-Q Plot Using a Theoretical or Empirical Distribution
qqnorm	Quantile-Quantile Plots - Generic Function
qqnorm.aov	Normal or Half-Normal Plots of Effects
qqnorm.aovlist	Normal or Half-Normal Plots of Effects
qqnorm.default	Quantile-Quantile Plots - Generic Function
qqnorm.maov	Normal or Half-Normal Plots of Effects
qqnorm.resamp	Quantile-Quantile Plots for Resample Objects
qqplot	Quantile-Quantile Plots - Generic Function
qr	QR Matrix Decomposition
qr.coef	Use a QR Matrix Decomposition
qr.default	QR Matrix Decomposition
qr.fitted	Use a 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.qty	Use a QR Matrix Decomposition
qr.qy	Use a QR Matrix Decomposition
qr.R	Reconstruct the Q, R, or X Matrices from a QR Object
qr.resid	Use a QR Matrix Decomposition
qr.X	Reconstruct the Q, R, or X Matrices from a QR Object
qt	Student's t-Distribution

qtukey	Quantiles of Tukey's Studentized Range Distribution
quakes.bay	Bay Area Earthquakes
quantile	Empirical Quantiles
quarters	Return Various Periods from a Dates Object
quasi	Generate a Family Object
quickvu	Make Simple Vu-Graphs
Quin.func	Quinidine Model
Quinidine	Population Pharmacokinetics of Quinidine
qunif	Uniform Distribution
qweibull	Weibull Distribution
qwilcox	Distribution of Wilcoxon Rank Sum Statistic
rain	New York City Precipitation
rain.nyc1	New York City Precipitation
rain.nyc2	New York City Precipitation
random	Include a Random Effects Term in an Additive Model
random.effects	Calculate Random Effects Estimates
random.effects.lme	Calculate Random Effects Estimates for lme Objects
random.effects.lmList	Calculate Random Effects Estimates for lmList Objects
randomize	Random Ordering for the Runs of a Design
range	Range of Data
rank	Ranks of Data
raov	Random Effects Analysis of Variance
ratetable	Specify Variables to Match in Rate Table
rayplot	Adds Rays with Optional Confidence Arcs (Sectors)
rbeta	Beta Distribution
rbind	Build Matrix from Columns or Rows
rbind.data.frame	Create a Data Frame from Rows
rbinom	Binomial Distribution
rbiwt	Robust Simple Regression by Biweight
rcauchy	Cauchy Distribution
rchisq	Chi-Square Distribution
rcond	Reciprocal Condition Estimation for Matrices --- Generic Function
rcond.eigen.Hermitian	Condition Number for Hermitian Matrices from Eigenvalues
rcond.Hermitian	Condition Estimation for Hermitian Matrices
rcond.LowerTriangular	Condition Estimation for Triangular Matrices
rcond.lu.Hermitian	Condition Estimation for Hermitian Matrices from Triangular Decomposition
rcond.lu.Matrix	Condition Estimation for Matrices from LU Decomposition
rcond.Matrix	Condition Estimation for Matrices
rcond.qr.Matrix	Condition Estimation for Matrices from QR Decomposition
rcond.svd.Matrix	Condition Number for Matrices from Singular Values
rcond.UnitLowerTriangular	Condition Estimation for Triangular Matrices
rcond.UnitUpperTriangular	Condition Estimation for Triangular Matrices
rcond.UpperTriangular	Condition Estimation for Triangular Matrices
Re	Basic Complex Number Manipulation
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
REALPR	Printing from a Fortran Routine
Recall	Recursive Call of the Current Function
regexpr	Pattern Matching in Strings
Relaxin	Bioassay of the Protein Relaxin
Relaxin.plot	Trellis Plot of Relaxin Data
remove	Remove Objects from a Database
reorder.factor	Reorder the Levels of a Factor
rep	Replicate Data Values
rep.int	Replicate Integer Vector
repeat	Controlling Flow of Evaluation
replace	Insert or Merge Data

replications	Number of Replications of Terms
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
resid	Extract Coefficients, etc. from a Model
residuals	Extract Coefficients, etc. from a Model
residuals.coxph	Calculate Residuals for a Cox Regression
residuals.default	Extract Coefficients, etc. from a Model
residuals.factanal	Extract Fitted Correlation Matrix or Residuals
residuals.survreg	Compute Residuals for a Parametric Survival Model
residuals.tree	Residuals From a Fitted Tree Object
resize	Set Session Options to Reflect New Window Size
restart	Take Over Error Handling
return	The Structure of S-PLUS Expressions
rev	Reverse the Order of a Vector or List
rexp	Exponential Distribution
rf	F Distribution
rfs	Residual and Fit Spread Plots
rgamma	Gamma Distribution
rgeom	Geometric Distribution
rhyper	Hypergeometric Distribution
rle	Run Length Encoding
rlnorm	Lognormal Distribution
rlogis	Logistic Distribution
rm	Remove by Name
rmdir	Remove a Directory
rmvnorm	Multivariate Normal (Gaussian) Distribution
rnbinom	Negative Binomial Distribution
rnorm	Normal (Gaussian) Distribution
rnrange	Distribution of the Range of Standard Normals
robust	Generate a Robust Family Object
rotate	Perform Rotations
rotate.default	Perform Rotations
rotate.factanal	Rotate Factor Analysis Object
rotate.princomp	Rotate Factor Analysis Object
round	Rounding Functions
row	Column and Row Identification in a Matrix
row.names	Row Names Attribute
row.names<-	Row Names Attribute
rowMeans	Row and Column Summaries
Rows	Select Rows of a Data Frame or List
rowsum	Row Sums of a Matrix, Based on a Grouping Variable.
rowSums	Row and Column Summaries
rowVars	Row and Column Summaries
rpois	Poisson Distribution
rreg	M-Estimates of Regression
rstab	Stable Family of Distributions
rt	Student's t-Distribution
rts	Regular Time Series Objects
rubber	Sample Data Sets for Trellis Graphics
rug	Add a Rug to a Plot
rug.tree	Augment a Dendrogram with a Rug
runif	Uniform Distribution
runs.target	Determine Indices of Points Violating the Runs Rule.
rweibull	Weibull Distribution
rwilcox	Distribution of Wilcoxon Rank Sum Statistic
s	Specify a Smoothing Spline Fit in a GAM Formula
S.format	Format a File of Expressions

S_alloc	Storage Allocation in C
sabl	Seasonal Decomposition
sablplot	Plot a Sabl Decomposition
samp.boot.bal	Construct Matrix of Resamples
samp.boot.mc	Construct Matrix of Resamples
samp.permute	Construct Matrix of Resamples
sample	Generate Random Samples or Permutations of Data
sapply	Apply a Function to Components of a List
saving	Savings Rates for Countries
saving.x	Savings Rates for Countries
scale	Scale Columns of a Matrix
scale.a	Median Absolute Deviation
scale.tau	Median Absolute Deviation
scan	Input Data from a File
scatter.smooth	Scatterplot with a Smooth Curve
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
screen	Split a Graphics Display and Control Multiple Screens
screepplot	Plot of the Variances of Derived Variables
screepplot.princomp	Plot of the Variances of Derived Variables
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.R	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
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
search	Add to or View the Search List
seconds	Return Hours, Minutes, or Seconds from a Times Object
segments	Plot Disconnected Line Segments or Arrows
select.tree	Select Subtrees of a Tree Object
selfStart	Construct Self-starting Model Functions
selfStart.default	Construct Self-starting Model Functions
selfStart.formula	Construct Self-starting Nonlinear Models
send.self	Send a Signal to the S Process
seq	Sequences of Numbers
seq.dates	Sequences of Dates
seq.default	Sequences of Numbers
set.seed	Set Seed for Random Number Generators
setdiff	Find the Unique Values of a Set
setTextOutputRouting	Text Output Routing Preference
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.
shingle	Create a Shingle Object
ship	Manufacturing Shipments
show	Graphics Device for any Terminal
show.settings	Show the Trellis Customization Settings
shrink.tree	Optimal Recursive Shrinking of Tree Objects
sign	Signum Function and Comparison
signif	Rounding Functions
silent.startup	Silent startup.
sin	Trigonometric Functions

singer	Sample Data Sets for Trellis Graphics
single	Single Precision Objects
sinh	Hyperbolic Trigonometric Functions
sink	Send S-PLUS Output to a File
sink.number	Send S-PLUS Output to a File
slice.index	Slice Identification in an Array
smatrix	Symbolic Matrix for Multivariate Data
smooth	Nonlinear Smoothing Using Running Medians
smooth.spline	Fit a Smoothing Spline
snip.tree	Snip Subtrees of a Tree Object
solder	AT&T Solder Experiment
solder.balance	AT&T Solder Experiment
solder2	AT&T Solder Experiment
solve	Solve Linear Equations and Invert Matrices - Generic Function
solve.default	Solve Linear Equations and Invert Matrices - Generic Function
solve.eigen.Hermitian	Solve and Inverse with Hermitian Eigenvalue Decomposition
solve.Hermitian	Solve and Inverse for Hermitian Matrices
solve.LowerTriangular	Solve and Inverse for Triangular Matrices
solve.lu.Hermitian	Solve and Inverse with Symmetric Indefinite Decomposition
solve.lu.Matrix	Solve and Inverse with LU Decomposition
solve.Matrix	Solve and Inverse for General Matrices
solve.qr.Matrix	Solve and Pseudo-Inverse with QR Decomposition
solve.svd.Matrix	Solve/Pseudo-Inverse with Singular Value Decomposition
solve.UnitLowerTriangular	Solve and Inverse for Triangular Matrices
solve.UnitUpperTriangular	Solve and Inverse for Triangular Matrices
solve.UpperTriangular	Solve and Inverse for Triangular Matrices
sort	Sort into Ascending Numeric or Alphabetic Order
sort.list	Vector of Indices that Sort Data
source	Parse and Evaluate S-PLUS Expressions from a File
Soybean	Leaf Weight Over Time for Two Varieties of Soybean
Soybean.plot	Trellis Plot of Soybean Data
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
specs	Specifications of a Model - Generic Function
specs.loess	Specifications of Local Regression Model
spectrum	Estimate Spectrum of Time Series
spin	Display Rotating Three Dimensional Scatterplots
spline	Cubic Spline Approximation
split	Split Data by Groups
split.screen	Split a Graphics Display and Control Multiple Screens
spiom	Multi-Panel Scatterplot Matrices
sqrt	Exponential Functions
Stable	Stable Family of Distributions
stack	Stack-loss Data
stack.loss	Stack-loss Data
stack.x	Stack-loss Data
stamp	Time Stamp Output, Graph, and Audit File
stars	Star Plots of Multivariate Data
starsymb	Plot a Single Star Symbol
start	Starting and Ending Times for Time Series
state	States of the U.S.
State	United States Map
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.vbm	Visibility Base Map of the United States
state.vbm.center	Visibility Base Map of the United States
state.x77	States of the U.S.
stats.c	Summary Statistics for Control Charts
stats.np	Summary Statistics for Control Charts
stats.p	Summary Statistics for Control Charts
stats.R	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
std.tolerance	Tolerances for Numeric Comparisons
std.trace	Control over Tracing
std.xtrace	Control over Tracing
steam	Steam Usage Data
steam.x	Steam Usage Data
steam.y	Steam Usage Data
stem	Stem and Leaf Display
step	Build a Model in a Stepwise Fashion - Generic Function
step.gam	Build a GAM Model in a Step-Wise Fashion
step.glm	Build a GLM Model in a Step-Wise Fashion
stepwise	Stepwise Subset Selection for Multiple Regression
stl	Seasonal Decomposition of a Time Series
stl.control	Computational Options for STL
stop	Error and Warning Messages
storage	Show Memory Usage
storage.mode	Data Mode of the Values in a Vector
strata	Identify Strata Variables
string.bounding.box	Bounding Boxes of Multiline Strings
string.break.line	Change Strings with Line Breaks into Multiple Strings
strip.default	Generate Strip Labels
stripplot	One-Dimensional Scatter Plot
structure	An Object with Given Attributes
subplot	Add a Plot to an Existing Plot
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
substitute	Substitute in an Expression
substring	Get Portions of Character Strings
subtree	Extract Part of a Cluster Tree
sum	Sums and Products
summary	Summarize an Object - Generic Function
summary.agnes	Summary method for agnes objects
summary.aov	Summary of an Analysis of Variance Object
summary.aovlist	Summary of an Analysis of Variance Object
summary.bootstrap	Summary Method for Bootstrap Objects
summary.clara	Summary method for clara objects
summary.cts	Summary Method for a Calendar Time Series
Summary.data.frame	Summary Group Method for Data Frame Objects
summary.default	Default Summary Method
summary.diana	Summary method for diana objects
summary.factanal	Summary for a Factor Analysis Object
summary.fanny	Summary Method for fanny Objects
summary.glm	Summary Method for Fitted Generalized Linear Models
summary.its	Summary Method for an Irregularly Spaced Time Series
summary.lm	Summary Method for Linear Models

summary.lme	Summarize an lme Object
summary.lmList	Summarize an lmList Object
summary.loess	Summary Method for Local Regression Models
summary.manova	Create a Manova Table
summary.mona	Summary Method for mona Objects
summary.ms	Summary of an MS Model
summary.nlsList	Summarize an nlsList Object
summary.pam	Summary Method for pam Objects
summary.princomp	Summary of a Principal Components Object
summary.resamp	Summary Method for Resample Objects
summary.rts	Summary Method for a Regular Time Series
summary.survfit	Summary of a Survival Curve
summary.tree	Summarize a Fitted Tree Object
sunspots	Monthly Mean Relative Sunspot Numbers
supsmu	Scatter Plot Smoothing Using Super Smoother
Surv	Create a Survival Object
survdiff	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
svd	Singular Value Decomposition of a Matrix
svd.default	Singular Value Decomposition of a Matrix
svd.Matrix	Singular Value Decomposition of a Matrix
svd.Matrix.object	Singular Value Decomposition Object
sweep	Sweep Out Array Summaries
swiss	Fertility Data for Switzerland in 1888
swiss.fertility	Fertility Data for Switzerland in 1888
swiss.x	Fertility Data for Switzerland in 1888
switch	Evaluate One of Several Expressions
switzerland	Heights of Switzerland on 12 by 12 Grid
symbol.C	Code Availability
symbol.For	Code Availability
symbol.S	Code Availability
symbols	Draw Symbols on a Plot
synchronize	Synchronize Datasets
Syntax	The Structure of S-PLUS Expressions
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
system.stat	System Information
t	Matrix Transpose
T	Student's t-Distribution
t.default	Matrix Transpose
t.test	Student's t-Tests
tabAnova.aov	Fixed Effects Analysis of Variance Dialog Functions
table	Create Contingency Table from Categories
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
tabulate	Count Entries in Bins
tan	Trigonometric Functions
tanh	Hyperbolic Trigonometric Functions
tapply	Apply a Function to a Ragged Array
TBS	Transform Both Sides of a Nonlinear Regression Model
tcut	Create Categories From Time Based Data
telsam	Interviewer Response Data
telsam.response	Interviewer Response Data
tempfile	Create Unique Names for Files
terms.object	Class of Objects for Terms in a Model
testscores	Scores from Mathematics Qualifying Exams
text	Plot Text
text.default	Plot Text
text.tree	Place Text on a Dendrogram
Theoph	Pharmacokinetic Study of Theophylline
Theoph.plot	Trellis Plot of Theophylline Data
tile.tree	Augment a Dendrogram with Tiles
time	Create Time Vector or Index of Frequency.
title	Plot Titling Information and/or Axis Labels
tmd	Tukey Mean-Difference Plot

tone	Bricker's Tone-Ringer Preference Data
tone.appeal	Bricker's Tone-Ringer Preference Data
tprint	Trace Calls to Functions
trace	Trace Calls to Functions
trace.on	Control over Tracing
traceback	Print Call Stack
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
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
true.file.name	Map Object Name into File Name
trunc	Integer Values
TRUNC_AUDIT	Truncate the Audit File
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
twoway	Fit of a Two-Way Table
unclass	Class Attribute of an Object
Uniform	Uniform Distribution
union	Find the Union of Multiple Sets
unique	Unique or Duplicated Values in a Vector
uniroot	Root Finder for Continuous Univariate Functions.
units	Time Units of a Time Series
unlink	Remove a File
unlist	Simplify the Structure of a List
unpack	Full Storage Representation for Packed Matrices --- Generic Function
untangle.specials	Process the 'specials' Argument of the Terms Function
untrace	Trace Calls to Functions
update	Update a Fitted Model Object
update.bootstrap	Add New Replicates to Bootstrap Object
update.default	Update a Fitted Model Object
update.formula	Update a Fitted Model Object
UpperTriangular.test	Test for Triangularity in a Matrix

usa	United States Coastline and State Boundaries
Usa	United States Map
UseMethod	Methods Invoked from S-PLUS Functions
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
validate	Validation Tests
var	Variance, Covariance, and Correlation
var.test	F Test to Compare Two Variances
varcomp	Variance Components
varcomp.object	Variance Component Objects
vecnorm	p-norm of a Vector
vector	Vectors (Simple Objects)
version	S-PLUS Version Information.
vi	Invoke vi Text Editor
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
vu	Create Vu-Graphs (Slides)
wafer	AT&T Wafer Experiment
warning	Error and Warning Messages
warnings	Print Warning Messages
weekdays	Return Various Periods from a Dates Object
Weibull	Weibull Distribution
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
while	Controlling Flow of Evaluation
wilcox.test	Wilcoxon Rank Sum and Signed Rank Sum Tests
Wilcoxon	Distribution of Wilcoxon Rank Sum Statistic
win.colorscheme	Set the Color Scheme Used By graphsheet.
win3	Execute a Windows Application
window	Window a Time Series
wireframe	3-D Wireframe Surface
World	World Map
World.thin	World Map
write	Write Data to ASCII File
write.table	Write Matrix of Data to a File
write.to.clipboard	Copy Text to the Windows Clipboard
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
xerror	Error Message Handling and Control for Fortran Routines
XERROR	Error Output and Termination 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

XERRWV	Error Output and Termination for Fortran Routines
xor	Logical Operators
xyplot	Conditioning Plots/Scatter Plots
xysort	Rearrange x-y Data for Fast Plotting
years	Return Various Periods from a Dates Object
zapsmall	Coerce Small Numbers to Zero for Printing

