

- Registering an S3 method for an S3 generic in another package that was converted to an S4 generic in the same package as the S3 method, registered the method in the wrong place.
- `Recall()` used lookup for the function in use and so could fail if that was an S3 method not on the search path.
- `Rdconv -t Ssgm` failed if it encountered `\link[opt]{arg}`.
- `uniroot()` did not give a warning (as documented) if it failed to converge in 'maxiter' steps. (PR#8751)
- `eapply` (and `as.list.environment`) did not work for the base environment/namespace. (PR#8761)
- Added protection in configure against systems for which using `xmkmf` fails to report a C or C++

compiler.

- `expand.grid()` was constructing a data frame 'by hand' and so setting integer row.names (which are documented to be character). It now sets character row names, and `row.names.data.frame()` coerces to character.
- `qbeta()` used `==` on volatile doubles for its convergence test, which failed with gcc 3.3.x on ix86 Linux. We now use a less fragile test (and lose a negligible amount of accuracy).
- `ls.str()` was missing `inherits=FALSE`, and so could have reported on an object of the same name but a different mode in the enclosure of the given environment.
- `logLik.nls` assumed that  $\sigma^2$  had been estimated, but did not count this in the 'df' attribute.

## Changes on CRAN

by Kurt Hornik

### New contributed packages

**BayesTree** Software accompanying the paper "Bayesian Additive Regression Trees" by Chipman, George and McCulloch (2005), see <http://gsbwww.uchicago.edu/fac/robert.mcculloch/research>. By Hugh Chipman and Robert McCulloch.

**BayesValidate** Implements the software validation method described in the paper "Validation of Software for Bayesian Models using Posterior Quantiles" (Cook, Gelman, and Rubin, 2005). It inputs a function to perform Bayesian inference as well as functions to generate data from the Bayesian model being fit, and repeatedly generates and analyzes data to check that the Bayesian inference program works properly. By Samantha Cook.

**CTFS** The CTFS Large Plot Forest Dynamics Analyses. By Pamela Hall.

**CVThresh** Carries out a level-dependent cross-validation method for the selection of a thresholding value in wavelet shrinkage. This procedure is implemented by coupling a conventional cross validation with an imputation method due to a limitation of data length, a power of 2. It can be easily applied to classical leave-one-out and  $k$ -fold cross validation. Since

the procedure is computationally fast, a level-dependent cross validation can be performed for wavelet shrinkage of various data such as a data with correlated errors. By Donghoh Kim and Hee-Seok Oh.

**DescribeDisplay** Produce publication quality graphics from output of GGobi's describe display plug-in. By Hadley Wickham, Di Cook, and Andreas Buja.

**FLCore** Contains the core classes and methods for FLR, a framework for fisheries modeling and management strategy simulation in R. Developed by a team of fisheries scientists in various countries. More information can be found at <http://flr-project.org/>, including a development mailing list. By the FLR Team and various contributors. Initial design by Laurence T. Kell & Philippe Grosjean.

**FactoMineR** Exploratory data analysis. By François Husson, Sébastien Lê, and Jérémie Mazet.

**FortranCallsR** Teaches how to implement Fortran Code calling R functions. By Diethelm Wuertz.

**FracSim** Perform simulation of one- and two-dimensional fractional and multifractional Lévy motions. By S. Déjean and S. Cohen.

**FunCluster** Performs a functional analysis of microarray expression data based on Gene Ontology & KEGG functional annotations. From expression data and functional annotations

**FunCluster** builds classes of putatively co-regulated biological processes through a specially designed clustering procedure. By Corneliu Henegar.

**GammaTest** A suite of Gamma test analysis tools. By Samuel E. Kemp.

**GroupSeq** Performing computations related to group sequential boundaries. The computations are done via the alpha spending approach i.e., interim analyses need not to be equally spaced, and their number need not to be specified in advance. It is appropriate for any trial based on normally distributed test statistics with independent increments, survival studies, and certain longitudinal designs. Among other things it computes critical boundaries for various spending functions and for prespecified power and drift. Confidence intervals are also obtained. The package provides this in a GUI and users have the option of graphical output of the results and/or saving designs into '.html' file tables allowing further processing. By Roman Pahl.

**HSAUR** Functions, data sets, analyses and examples from the book "A Handbook of Statistical Analyses Using R" by Brian S. Everitt and Torsten Hothorn, Chapman & Hall/CRC, 2006. The first chapter of the book, which is entitled "An Introduction to R", is completely included in this package, for all other chapters, a vignette containing all data analyses is available. By Brian S. Everitt and Torsten Hothorn.

**JointGLM** Joint modeling of mean and dispersion through two interlinked GLM's. By Mathieu Ribatet and Bertrand Iooss.

**LoopAnalyst** Tools to conduct Levins' Loop Analysis. Loop analysis makes qualitative predictions of variable change in a system of causally interdependent variables, where "qualitative" means sign only (i.e., increases, decreases, non change, and ambiguous). This implementation includes output support for graphs in '.dot' file format for use with visualization software such as graphviz (<http://www.graphviz.org>). LoopAnalyst provides tools for the construction and output of community matrices, computation and output of community effect matrices, tables of correlations, adjoint, absolute feedback, weighted feedback and weighted prediction matrices, and feedback, path and loop enumeration tools. By Alexis Dinno.

**LowRankQP** Routines and documentation for solving quadratic programming problems where the hessian is represented as the product of two matrices. By J. T. Ormerod and M. P. Wand.

**PK** Estimation of pharmacokinetic parameters. By Martin J. Wolfsegger and Thomas Jaki.

**QCA** Performs the Quine-McCluskey algorithm for Qualitative Comparative Analysis, as described in "The Comparative Method. Moving beyond qualitative and quantitative strategies" by Charles C. Ragin, Berkeley: University of California Press, 1987. It currently handles about 8 conditions and one outcome. While theoretically it could handle more conditions, it requires a lot of computer resources and is memory hungry; future versions will have more functions to address this problem, as well as functions for fuzzy-set QCA. The package doesn't currently handle missing values in the data, therefore it is not yet possible to perform simplifying assumptions. By Adrian Dusa.

**RBloomberg** Fetch data from Bloomberg. By Robert Sams.

**RWeka** An R interface to Weka (Version 3.4.7). Weka is a collection of machine learning algorithms for data mining tasks written in Java, containing tools for data pre-processing, classification, regression, clustering, association rules, and visualization. Both the R interface and Weka itself are contained in the **RWeka** package. For more information on Weka see <http://www.cs.waikato.ac.nz/ml/weka/>. By Kurt Hornik, with contributions from Christian Buchta, Torsten Hothorn, Alexandros Karatzoglou, David Meyer, and Achim Zeileis.

**RcppTemplate** Package template illustrating the use of the Rcpp R/C++ interface class library. By Dominick Samperi.

**Rmdr** R-Multifactor Dimensionality Reduction (MDR), a nonparametric and genetic model-free alternative to logistic regression for detecting and characterizing nonlinear interactions among discrete genetic and environmental attributes. By Mounir Aout, with contributions from C. Wachter.

**StoppingRules** Stopping rules for microarray classifiers. By Wenjiang J. Fu et al. (functions) and M. T. Mader (packaging).

**VDCutil** The VDC system is an open source digital library system for quantitative data. This package supports on-line analysis using VDC and **Zelig**, **accuracy**, and **R2HTML**. By Micah Altman and Akio Sone.

**actuar** Collection of functions related to actuarial science applications, namely credibility theory and risk theory, for the moment. The package also includes the famous Hachemeister (1975) data set. By Vincent Goulet and Sébastien Auclair.

- aplpack** Functions for drawing some special plots: stem and leaf, bagplot, Chernoff faces, and an inspection of a 3-dimensional point cloud. By Peter Wolf.
- blockrand** Create randomizations for block random clinical trials. Can also produce a PDF file of randomization cards. By Greg Snow.
- calibrate** Draw calibrated scales with tick marks on (non-orthogonal) variable vectors in scatterplots and biplots. By Jan Graffelman.
- classInt** Choose univariate class intervals for mapping or other graphics purposes. By Roger Bivand.
- clusterRepro** Validate microarray clusters via reproducibility. By Amy Kapp and Rob Tibshirani.
- cocorresp** Fits predictive and symmetric co-correspondence analysis (CoCA) models to relate one data matrix to another data matrix. More specifically, CoCA maximizes the weighted covariance between the weighted averaged species scores of one community and the weighted averaged species scores of another community. CoCA attempts to find patterns that are common to both communities. Original Matlab routines by C.J.F. ter Braak and A.P. Schaffers. R port by Gavin L. Simpson. Function `simpls` based on `simpls.fit` from package `pIs` by Ron Wehrens and Bjorn-Helge Mevik.
- coxrobust** Fit robustly proportional hazards regression model. By Tadeusz Bednarski and Filip Borowicz.
- crq** Quantile regression for randomly censored data. By Stephen Portnoy, with contributions from Tereza Neocleous and Roger Koenker.
- cwhmisc** A bundle of miscellaneous functions by Christian W. Hoffmann. Contains packages `cwhmath`, `cwhplot`, `cwhprint`, `cwhstring`, `cwhstat`, and `cwhtool`.
- data.table** Data frames without rownames. The white book specifies that data frames must have rownames. This package defines a new class `data.table` which operates just like a `data.frame`, but uses up to 10 times less memory, and can be up to 10 times faster to create (and copy). It also takes the opportunity to allow `subset()` and `with()` like expressions for subscripting. By Matt Dowle.
- denpro** Provides tools to visualize (1) multivariate density functions and density estimates with level set trees, (2) level sets with shape trees, (3) multivariate data with tail trees, (4) scales of multivariate density estimates with mode graphs and branching maps, and (5) anisotropic spread with 2D volume functions and 2D probability content functions. With level set trees one visualizes mode structure, with shape trees one visualizes shapes of level sets of unimodal densities, and with tail trees one visualizes connected data sets. The kernel estimator is implemented but the package may be applied for visualizing other density estimates, which have to be setwise constant. By Jussi Klemelä.
- diveMove** Functions to filter and summarize time-depth recorder (TDR) data, and miscellaneous functions for handling location data. By Sebastian P. Luque.
- doBy** Facilities for groupwise computations. By Søren Højsgaard.
- drc** Non-linear regression analysis for multiple curves with focus on concentration-response, dose-response and time-response curves used, for example, in environmental sciences, pharmacology, toxicology and weed science. By Christian Ritz and Jens Streibig.
- ecodist** Dissimilarity-based analysis functions including ordination and Mantel test functions, intended for use with spatial and community data. By Sarah Goslee and Dean Urban.
- femmeR** Plot and summarize results calculated by the modeling environment FEMME (Soetaert, 2002). By Henrik Andersson, Andreas Hofmann and Karline Soetaert.
- financial** Time value of money, cash flows and other financial functions. By Lukasz Komsta.
- fuzzyRankTests** Fuzzy rank tests and confidence intervals. By Charles J. Geyer.
- gamair** Data sets used in the book "Generalized Additive Models: An Introduction with R" by Simon Wood, CRC, 2006. By Simon Wood.
- ggplot** Grammar of graphics based plots for R. See <http://had.co.nz/ggplot/> for more information. By Hadley Wickham.
- glmpath** A path-following algorithm for  $L_1$  regularized generalized linear models and Cox proportional hazards model. By Mee Young Park and Trevor Hastie.
- grnnR** Synthesizes a generalized regression neural network from the supplied training data, `P(atterns)` and `T(argets)`. By Arnold Arrington.
- gsubfn** Miscellaneous string utilities. By G. Grothendieck.

- haplo.ccs** Estimates haplotype and covariate relative risks in case-control data by weighted logistic regression. Diploptype probabilities, which are estimated by EM computation with progressive insertion of loci, are utilized as weights. By Benjamin French and Thomas Lumley.
- hddplot** Use known groups in high-dimensional data to derive scores for plots. Cross-validated linear discriminant calculations determine the optimum number of features. Test and training scores from successive cross-validation steps determine, via a principal components calculation, a low-dimensional global space onto which test scores are projected, in order to plot them. Further functions are included for didactic purposes. By John Maindonald.
- hdcde** Computation of highest density regions in one and two dimensions and kernel estimation of univariate density functions conditional on one covariate. By Rob Hyndman.
- hybridHclust** Hybrid hierarchical clustering via mutual clusters. By Hugh Chipman and Rob Tibshirani, with tsvq code originally from Trevor Hastie.
- igraph** Routines for creating and manipulating graphs, and graph visualization. It can handle graphs with millions of vertices and edges. By Gabor Csardi.
- km.ci** Computes various confidence intervals for the Kaplan-Meier estimator, namely: Petos CI, Rothman CI, CI's based on Greenwood's variance, Thomas and Grunkemeier CI and the simultaneous confidence bands by Nair and Hall and Wellner. By Ralf Strobl.
- knnFinder** Finds the  $p$  number of near neighbors for every point in a given data set in  $O(M \log M)$  time. By Samuel E. Kemp.
- kzft** Functions implementing Kolmogorov-Zurbenko Fourier transform based periodograms and smoothing methods. By Wei Yang and Igor Zurbenko.
- lmomco** Implements the statistical theory of L-moments including L-moment estimation, probability-weighted moment estimation, parameter estimation for numerous familiar and not-so-familiar distributions, and L-moment estimation for the same distributions from the parameters. L-moments are derived from the expectations of order statistics and are linear with respect to the probability-weighted moments. L-moments are directly analogous to the well-known product moments; however, L-moments have many advantages including unbiasedness, robustness, and consistency with respect to the product moments. This package is oriented around the FORTRAN algorithms of J.R.M. Hosking, and the nomenclature for many of the functions parallels that of the Hosking library. Numerous additional features are added to aid in extension of the breadth of L-moment application. Much theoretical extension of L-moment theory has occurred in recent years. E.A.H. Elamir and A.H. Seheult have developed the trimmed L-moments, which are implemented in this package. Further, recent developments by Robert Serfling and Peng Xiao have extended L-moments into multivariate space; the so-called sample L-comoments are implemented here. The supported distributions with moment type shown as L (L-moments) or TL (trimmed L-moments) include the Cauchy(TL), Exponential(L), Gamma(L), Generalized Extreme Value(L), Generalized Lambda(L/TL), Generalized Logistic (L), Generalized Normal(L), Generalized Pareto(L/TL), Gumbel(L), Normal(L), Kappa(L), Pearson Type III(L), and Wakeby(L). By William H. Asquith.
- longitudinal** General data structures and functions for longitudinal data with multiple variables, repeated measurements, and irregularly spaced time points. It also implements a shrinkage estimator of dynamical correlation and dynamical covariance. By Rainer Opgen-Rhein and Korbinian Strimmer.
- lsa** Latent Semantic Analysis (LSA). The basic idea of LSA is that texts do have a higher order (latent semantic) structure which, however, is obscured by word usage (e.g., through the use of synonyms or polysemy). By using conceptual indices that are derived statistically via a truncated singular value decomposition (a two-mode factor analysis) over a given document-term matrix, this variability problem can be overcome. By Fridolin Wild.
- lspls** Implements the LS-PLS (least squares — partial least squares) method described in for instance Jørgensen, K., Segtnan, V. H., Thyholt, K., Næs, T. (2004) A Comparison of Methods for Analysing Regression Models with Both Spectral and Designed Variables. *Journal of Chemometrics*, 18(10), 451–464. By Bjørn-Helge Mevik.
- mapLD** Measures linkage disequilibrium and constructs haplotype blocks using the method described in Gabriel et al (2002) and Wall & Prichard (2003). By Peter Hu and Jared Lunceford, with contributions from Xiang Yu, Bret Musser and Peggy Wong.

- monreg** Estimates monotone regression and variance functions in a nonparametric model. By Kay Pilz and Steffanie Titoff, with earlier developments by Holger Dette and Kay Pilz.
- nltm** Implements nonlinear transformation models (proportional odds, Gamma frailty, proportional hazards, ) for survival analysis, see Tsodikov (2003) "Semiparametric models: a generalized self-consistency approach", *Journal of the Royal Statistical Society B*, **65**, Part 3, 759–774. By Gilda Garibotti and Alexander Tsodikov.
- numDeriv** Accurate Numerical Derivatives. By Paul Gilbert.
- nws** Coordination and parallel execution facilities, as well as limited cross-language data exchange, using the netWorkSpaces server developed by Scientific Computing Associates, Inc. By Nick Carriero with support and contributions from Gregory R. Warnes.
- pbatR** A frontend to the PBAT software, automatically reading in the output from the pbat program and displaying the corresponding figure when appropriate (i.e., PBAT-logrank). Includes support for multiple processes. By Christoph Lange (PBAT) and Thomas Hoffmann (R interface).
- pcaPP** Robust PCA by Projection Pursuit. By Peter Filzmoser, Heinrich Fritz, and Klaudius Kalcher.
- polyapost** Generate dependent samples from a non-full dimensional polytope via a Markov Chain sampler. By Glen Meeden and Radu Lazar.
- portfolio** Classes for analyzing and implementing portfolios. By Jeff Enos and David Kane.
- pwr** Power analysis functions along the lines of Cohen (1988). By Stéphane Champely.
- quantregForest** Quantile Regression Forests is a tree-based ensemble method for estimation of conditional quantiles. It is particularly well suited for high-dimensional data. Predictor variables of mixed classes can be handled. By Nicolai Meinshausen.
- rJava** Low-level interface to Java VM very much like `.C/.Call` and friends. Allows creation of objects, calling methods and accessing fields. By Simon Urbanek.
- rake** Raking a survey data set entails re-weighting a sample by making the sample marginal totals agree with the population marginal totals for two survey response variables. Raking is a robust technique that is often useful for dealing with nonresponse. This package streamlines the process of Raking by creating the special rake class, which is essentially a summary of the sample weights. By Toby Dylan Hocking.
- rankreg** Obtain rank regression estimator for the AFT model with right censored data. Testing a given value of the regression coefficient and Re-sampling variance estimator can also be computed. By Mai Zhou; Splus original of `aft.fun` by Jin Zhezhen.
- rda** Shrunk Centroids Regularized Discriminant Analysis for classification in high dimensional data. By Yaqian Guo, Trevor Hastie, and Robert Tibshirani.
- relaimpo** Provides several metrics for assessing relative importance in linear models. These can be printed, plotted and bootstrapped. The recommended metric is `lmg`, which provides a decomposition of the model explained variance into non-negative contributions. There is a version of this package available that additionally provides a new and also recommended metric called `pmvd`. If you are a non-US user, you can download this extended version from Ulrike Groemping's web site. By Ulrike Groemping.
- rggobi** An interface from R to ggobi for programmatic dynamic, interactive visualization. By Duncan Temple Lang, Debby Swayne, Hadley Wickham, and Michael Lawrence.
- riv** Finds a robust instrumental variables estimator using a high breakdown point S-estimator of multivariate location and scatter matrix. By Beat Kaufmann, with contributions from R. H. Zamar and G. V. Cohen-Freue.
- robIm** Robust regression estimators. By Matias Salibian-Barrera.
- robustbase** "Essential" Robust Statistics. The goal is to provide tools for analyzing data with robust methods. This includes regression methodology including model selections and multivariate statistics where we strive to cover the upcoming book "Robust Statistics, Theory and Methods" by Maronna, Martin and Yohai; Wiley 2006. By Valentin Todorov, Andreas Ruckstuhl, Matias Salibian-Barrera, and Martin Maechler, based on code by many authors, notably Peter Rousseeuw, Christophe Croux, see file 'Copyrights'.
- rrp** Random Recursive Partitioning method to match, missing data imputation and nonparametric classification and prediction. By S. M. Iacus.

- rtiff** Read TIFF format images and return them as a pixmap object. Because the resulting object can be very large for even modestly sized TIFF images, images can be reduced as they are read for improved performance. This package is a wrapper around `libtiff` (<http://www.libtiff.org>), on which it depends. By using `libtiff`'s high-level `TIFFReadRGBAImage` function, this package inherently supports a wide range of image formats and compression schemes. It also provides an implementation of the Ridler Autothresholding algorithm for easy generation of binary masks. By Eric Kort.
- rv** Simulation-based random variable object class. By Jouni Kerman.
- scope** Calculate, per data frame row, a value that depends on information in a relevant subset of rows and columns. These functions create and refine scope objects, which identify relevant rows on a per-row basis. Columns can be aggregated within relevant scopes to aid identification of a row of interest, from which an arbitrary column value can be selected. By Tim Bergsma.
- scuba** Dive profiles, decompression models and gas calculations for scuba diving. By Adrian Baddeley.
- seas** Capable of deriving seasonal statistics, such as "normals", and analysis of seasonal data, such as departures. This package also has graphics capabilities for representing seasonal data, including boxplots for seasonal parameters, and bars for summed normals. There are many specific functions related to climatology, including precipitation normals, temperature normals, cumulative precipitation departures and precipitation interarrivals. However, this package is designed to represent any time-varying parameter with a discernible seasonal signal, such as found in hydrology and ecology. By M. W. Toews.
- seewave** Functions for analyzing, manipulating, displaying, editing and synthesizing time waves (particularly sound). This package processes time analysis (oscillograms and envelopes), spectral content, resonance quality factor, cross correlation and autocorrelation, zero-crossing, dominant frequency, 2D and 3D spectrograms. By Jérôme Sueur, Thierry Aubin and Caroline Simonis-Sueur.
- smatr** Provides methods of fitting bivariate lines in allometry using the major axis (MA) or standardised major axis (SMA), and for making inferences about such lines. The available methods of inference include confidence intervals and one-sample tests for slope and elevation, testing for a common slope or elevation amongst several allometric lines, constructing a confidence interval for a common slope or elevation, and testing for no shift along a common axis, amongst several samples. By David Warton, translated to R by John Ormerod.
- spgwr** Functions for computing geographically weighted regressions based on work by Chris Brunsdon, Martin Charlton and Stewart Fortheringham, <http://ncg.nuim.ie/ncg/GWR/index.htm>. By Roger Bivand and Danlin Yu.
- ssanv** Functions to calculate sample size for two-sample difference in means tests. Does adjustments for either nonadherence or variability that comes from using data to estimate parameters. By Michael Fay.
- sudoku** Generates, plays, and solves Sudoku puzzles. The GUI `playSudoku()` needs package `tkrplot` if you are not on Windows. By David Brahm and Greg Snow, with contributions from Curt Seeliger and Henrik Bengtsson.
- surveillance** A framework for the development and the evaluation of outbreak detection algorithms in routinely collected public health surveillance data. Currently contains an implementation of the procedures described in Stroup et al (1989) and Farrington et al (1996), a Bayesian approach and the method used at the Robert Koch Institute, Germany. Contains several real-world data sets and the ability to simulate outbreak data. By M. Höhle, C. Lang, and A. Riebler.
- tcltk2** A series of widgets (themed controls, `tktable`, `combobox`, `multi-column list`, etc.) and various functions (under Windows: DDE exchange, access to the registry and icon manipulation) to supplement `tcltk`. By Philippe Grosjean.
- tgp** Bayesian semiparametric and nonstationary regression by treed Gaussian processes with jumps to the limiting linear model (LLM). Special cases also implemented include Bayesian linear models, linear CART, stationary separable and isotropic Gaussian process regression. Provides 1-d and 2-d plotting functions (with projection and slice capabilities) and tree drawing, designed for visualization of `tgp`-class output. By Robert B. Gramacy.
- truncgof** Goodness-of-fit tests and some adjusted exploratory tools allowing for left truncated data. By Thomas Wolter.
- tsfa** Extraction of Factors from Multivariate Time Series. By Paul Gilbert and Erik Meijer.

**twang** Functions for propensity score estimating and weighting, nonresponse weighting, and diagnosis of the weights. By Greg Ridgeway, Dan McCaffrey, Andrew Morral.

**untb** Utilities for biodiversity data. Includes the simulation of ecological drift under Hubbell's Unified Neutral Theory of Biodiversity, and the calculation of various diagnostics such as Preston curves. By Robin K. S. Hankin.

**wccsom** SOM networks for comparing patterns with peak shifts. By Ron Wehrens.

## Other changes

- Packages **fdim** and **sound** were resurrected from the Archive.
- Packages **Malmig**, **nlrq** and **nprq** were moved from the main CRAN section to the Archive.

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# R Foundation News

by *Kurt Hornik*

## Donations and new members

### Donations

Christof Schramm (Germany)  
 Gordon Blunt (UK)  
 BC Cancer Agency (Canada)  
 David Kinniburgh (UK)  
 Richard Leeuw (USA)

### New benefactors

Numbers Internation Pty Ltd, Australia  
 Institute of Mathematical Statistics, USA

### New supporting institutions

Department of Statistics, University of California at Los Angeles, USA  
 Department of Statistics, Brigham Young University, USA  
 Max-Planck-Institut für demographische Forschung (MPI), Rostock, Germany  
 Center für digitale Systeme, Freie Universität Berlin, Germany

## New supporting members

Axel Benner (Germany)  
 Gordon Blunt (UK)  
 Christopher Brown (USA)  
 Seth Falcon (USA)  
 Jutta Gampe (Germany)  
 Jerome Goudet (Switzerland)  
 Philippe Grosjean (Belgium)  
 Leopoldo E. Guzman (USA)  
 Lorenz Gyax (Switzerland)  
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 Ralph Leonhardt (Germany)  
 A.I. McLeod (Canada)  
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 Christophe Pouzat (France)  
 Michael H. Prager (USA)  
 Manel Salamero (Spain)  
 Keith Satherley (Australia)  
 Gordon Smyth (Australia)  
 Arthur J. Stock (Canada)  
 Matthew Wilkes (UK)  
 Alejandro Veen (USA)

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# News from the Bioconductor Project

by *Seth Falcon*

On April 27, 2006 the Bioconductor project released version 1.8 designed for the 2.3 release series of R. This release brings 35 newly contributed packages for a total of 173 packages. The sustained increase in the number of contributed packages demonstrates that the ideas of “publishing software,

not just papers about software” and “reproducible research” have been adopted by many bioinformaticians around the world.

To help navigate the growing collection of packages, we've implemented a categorization system, inspired by Achim Zeileis' and Kurt Hornik's **ctv** package, called **biocViews**. The views generated by **biocViews** integrate Bioconductor's three main