Changes on CRAN

2012-11-29 to 2013-05-25

by Kurt Hornik and Achim Zeileis

New CRAN task views

MetaAnalysis Topic: Meta-Analysis. Maintainer: Michael Dewey. Packages: CRTSize, HSROC, MADAM, MAMA, MAc, MAd, MetABEL, MetaDE, MetaPCA, MetaPath, MetaQC, RcmdrPlugin.MA, SAMURAI, SCMA, bamdit, bspmma, compute.es, copas, epiR, gap, gemtc, mada, meta*, metaLik, metaMA, metacor, metafor*, metagen, metamisc, metatest, mvmeta, mvtmeta, psychometric, rmeta, selectMeta, skatMeta.

SpatioTemporal Topic: Handling and Analyzing Spatio-Temporal Data. Maintainer: Edzer Pebesma. Packages: GeoLight, M3, RNetCDF, RandomFields*, RghcnV3, SpatioTemporal, Stem, adehabitatLT*, argosfilter, cshapes, diveMove, googleVis, gstat*, lgcp, lme4, mvtsplot, ncdf, ncdf4, nlme, openair, pastecs, pbdNCDF4, plm, plotKML, raster*, rasterVis, rgl, solaR, sp*, spBayes, spTimer, spacetime*, spate, spatstat, sphet, splancs, splm, stam, stpp*, stppResid, surveillance*, trip*, tripEstimation, xts*.

(* = core package)

New packages in CRAN task views

Bayesian PAWL, RSGHB, bspec, eco, stochvol.

ChemPhys astro, simecol, stepPlr.

ClinicalTrials CRM, epibasix.

Cluster EMCluster, FisherEM, GLDEX, MFDA, Rmpi, latentnet, optpart.

DifferentialEquations PBSmodelling, primer.

Distributions ActuDistns*, CDVine, Delaporte, GLDEX, PhaseType, VineCopula, copBasic, lmom, retimes, rlecuyer.

Econometrics LARF, RSGHB, partsm, survival.

Environmetrics earth, flexmix, fso, ipred, maptree, mda, metacom, primer, pvclust, quantreg, rioja, seas, surveillance, unmarked, untb.

ExperimentalDesign BatchExperiments, crossdes, displayHTS, gsbDesign, planor.

Finance BurStMisc, ESG, FinTS, GUIDE, PIN, SharpeR, highfrequency, nlme, parma, rmgarch, stochvol.

Genetics hierfstat, qtlbim.

Graphics RGtk2, ash, biclust, cba, diagram, igraph, onion, playwith, scagnostics, seriation.

HighPerformanceComputing bayesm, bigrf, doRNG, latentnet, mapReduce, mchof, pbdDEMO, pbdNCDF4, permGPU, rredis, sprint, xgrid.

MachineLearning Rmalschains, bigrf, frbs, maptree.

MedicalImaging bayesm, brainwaver, waveslim.

Multivariate FAiR, MFDA, cwhmisc, fso.

NaturalLanguageProcessing **RcmdrPlugin.temis**, **SnowballC**, **qdap**, **tm.plugin.factiva**.

OfficialStatistics **JoSAE**, **MatchIt**, **SamplingStrata**, **hbsae**, **lavaan**, **lavaan.survey**, **lpSolve**, **odfWeave**, **rsae**, **samplingVarEst**, **tabplot**, **treemap**, **x12GUI**.

Optimization **adagio**.

Pharmacokinetics **PKPDmodels**, **deSolve**, **nlme**.

Phylogenetics **iteRates**.

Psychometrics **FAiR***, **MultiLCIRT**, **classify**, **fastICA**, **kst**, **lavaan.survey**, **mcIRT**, **pks**.

ReproducibleResearch **cacher**, **markdown**, **pander**, **rapport**.

Robust **RobLoxBioC**, **coxrobust**, **lqmm**, **robustX**, **robustlmm**, **rrcovHD**, **rrcovNA**.

SocialSciences **BMA**, **GPArotation**, **acepack**, **latentnet**, **lattice**, **lme4**, **meta**, **mvnmle**, **perturb**, **rgl**, **vcd**.

Spatial **DCluster***, **micromap**.

Survival **Biograph**, **SmoothHazard**, **SvyNom**, **aBioMarVsuit**, **bscr**, **bwsurvival**, **currentSurvival**, **gems**, **ipdmeta**, **jackknifeKME**, **lbiassurv**, **plsRcox**, **randomForestSRC**, **survexp.fr**, **timeROC**.

TimeSeries **FGN**, **MAR1**, **PVAClone**, **Quandl**, **TSTutorial**, **TimeProjection**, **arfima**, **brainwaver**, **bspec**, **events**, **fpp**, **nets**, **partsm**, **perARMA**, **rdatamarket**, **rts**, **seas**, **stochvol**, **surveillance**, **tframe**, **tsbugs**.

gR **BRugs**, **GeneNet**, **dclone**, **gRapHD**, **gRim**, **network**, **parcor**.

(* = core package)

New contributed packages

A3 Accurate, Adaptable, and Accessible Error Metrics for Predictive Models. Author: Scott Fortmann-Roe.

ABCExtremes ABC Extremes. Author: Rob Erhardt.

ABCp2 Approximate Bayesian Computational model for estimating P2. Authors: M. Catherine Duryea, Andrew D. Kern, Robert M. Cox, and Ryan Calsbeek.

ALDqr Algorithm Laplace density quantile regression. Authors: Luis Benites Sanchez, Victor Lachos.

ALKr Generate Age-Length Keys for fish populations. Authors: Jose Francisco Loff, Alberto Murta, Laurence Kell.

ARAMIS A R Adaptive Multiple Importance Sampling. Authors: Luca Pozzi, Antonietta Mira.

AnthropMMD A GUI for Mean Measures of Divergence. Author: Frederic Santos.

ArrayBin My First Collection of Functions. Author: Ed Curry.

BACprior Sensitivity of the Bayesian Adjustment for Confounding (BAC) algorithm to the choice of hyperparameter omega. Authors: Denis jf Talbot, Geneviève Lefebvre, Juli Atherton.

BH The Boost C++ Libraries. Authors: John W. Emerson, Michael J. Kane, Dirk Eddelbuettel, JJ Allaire, and Romain Francois.

BOG Bacterium and virus analysis of Orthologous Groups (BOG) is a package for identifying differentially regulated genes in the light of gene functions. Authors: Jincheol Park, Cenny Taslim, Shili Lin.

BSquare Bayesian Simultaneous Quantile Regression. Author: Luke Smith & Brian Reich.

BaySIC Bayesian Analysis of Significantly Mutated Genes in Cancer. Author: Nicholas B. Larson.

BayesBridge Bridge Regression. Authors: Nicholas G. Polson, James G. Scott, and Jesse Windle.

BayesComm Bayesian community ecology analysis. Author: Nick Golding.

BayesVarSel Bayesian Variable selection in Linear Models. Authors: Gonzalo Garcia-Donato and Anabel Forte.

BcDiag Diagnostics plots for Bicluster Data. Authors: Aregay Mengsteab, Martin Otava, Tatsiana Khamiakova.

BenfordTests Statistical Tests for Evaluating Conformity to Benford's Law. Authors: Dieter William Joenssen, with contributions from Thomas Muellerleile.

BiDimRegression Calculates the bidimensional regression between two 2D configurations. Author: Claus-Christian Carbon.

BlockMessage Creates strings that show a text message in 8 by 8 block letters. Authors: Elliot Noma, Aliona Manvae.

BurStMisc Burns Statistics miscellaneous. Author: Burns Statistics. In view: *Finance*.

CAMAN Finite Mixture Models and meta-analysis tools — based on C.A.MAN. Authors: Peter Schlattmann, Johannes Hoehne.

CCAGFA Bayesian canonical correlation analysis and group factor analysis. Authors: Seppo Virtanen and Arto Klami.

CDLasso Coordinate Descent Algorithms for Lasso Penalized L1, L2, and Logistic Regression. Authors: Edward Grant, Kenneth Lange, Tong Tong Wu.

CLAG An unsupervised non hierarchical clustering algorithm handling biological data. Authors: Linda Dib, Raphael Champeimont, Alessandra Carbone.

COBRA Nonlinear Aggregation of Predictors. Author: Benjamin Guedj.

CUMP Analyze Multivariate Phenotypes by Combining Univariate results. Authors: Xuan Liu and Qiong Yang.

CaDENCE Conditional Density Estimation Network Construction and Evaluation. Author: Alex J. Cannon.

CfEstimateQuantiles Estimate quantiles using any order Cornish-Fisher expansion. Author: Maxim Yurchuk.

CheckDigit Calculate and verify check digits. Author: Justin Brantley.

CoinMinD Simultaneous Confidence Interval for Multinomial Proportion. Author: M. Subbiah.

Comp2ROC Compare two ROC curves that intersect. Authors: Ana C. Braga, with contributions from Hugo Frade.

ConConPiWiFun An implementation of continuous convex piecewise (linear) functions. Author: Robin Girard.

CondReg Condition Number Regularized Covariance Estimation. Authors: Sang-Yun Oh, Bala Rajaratnam, Joong-Ho Won.

CountsEPPM Mean and variance modeling of count data. Authors: David M Smith, Malcolm J Faddy.

DMR Delete or Merge Regressors for linear model selection. Authors: Aleksandra Maj, Agnieszka Prochenka, Piotr Pokarowski.

DPw Semiparametric Bayesian procedure for selecting a subset containing the weakest species with an acceptably high probability. Author: Yumi Kondo.

DTComPair Comparison of Binary Diagnostic Tests in a Paired Study Design. Authors: Christian Stock, Thomas Hielscher.

DataCombine R tools for making it easier to combine and clean data sets. Author: Christopher Gandrud.

DataFrameConstr Constrained data frames and homogenous list classes. Author: Jeffrey Arnold.

Delaporte Statistical functions for the Delaporte distribution. Author: Avraham Adler. In view: *Distributions*.

Demerelate Functions to calculate relatedness on diploid genetic data. Authors: Philipp Kraemer and Gabriele Gerlach.

DendSer Dendrogram seriation: ordering for visualisation. Authors: Catherine B. Hurley and Denise Earle.

Digiroo2 An application programming interface for generating null models of social contacts based on individuals' space use. Authors: Ross Dwyer, Emily Best and Anne Goldizen.

Dominance ADI (average dominance index) and social network graphs with dual directions. Authors: Knut Krueger, with contributions from Konstanze Krueger.

EMCluster EM Algorithm for Model-Based Clustering of Finite Mixture Gaussian Distribution. Authors: Wei-Chen Chen [aut, cre], Ranjan Maitra [aut], Volodymyr Melnykov [aut]. In view: *Cluster*.

ESG Asset projection. Authors: Jean-Charles Croix, Thierry Moudiki, Frédéric Planchet, Wassim Youssef. In view: *Finance*.

EasyHTMLReport Easy to send HTML reports. Author: Yohei Sato.

EasyUpliftTree Easy Uplift Tree Model. Authors: Yohei Sato, Issei Kurahashi.

EpiModel Mathematical Modeling of Infectious Disease. Author: Samuel Jenness [cre, aut].

ExactCIdiff Inductive Confidence Intervals for the difference between two proportions. Authors: Guogen Shan, Weizhen Wang.

ExactNumCI Exact Confidence Interval for binomial proportions. Authors: Deqiang Sun, Hyun Jung Park.

ExactPath Exact solution paths for regularized LASSO regressions with L_1 penalty. Author: Kai Wang.

ExactSampling ExactSampling: risk evaluation using exact resampling methods for the k Nearest Neighbor algorithm. Author: Kai Li.

ExceedanceTools Confidence Regions for Exceedance Sets. Author: Joshua French.

ExpDes.pt Pacote Experimental Designs (Portuguese). Authors: Eric Batista Ferreira, Pórtya Piscitelli Cavalcanti, Denismar Alves Nogueira.

FAOSTAT A complementary package to the FAOSTAT database and the Statistical Yearbook of the Food and Agricultural Organization of the United Nations. Author: Michael C. J. Kao.

FBFsearch Algorithm for searching the space of Gaussian directed acyclic graphical models through moment fractional Bayes factors. Authors: Davide Altomare, Guido Consonni and Luca La Rocca.

FI Provide functions for forest inventory calculations. Author: David V. Dias [aut, cre].

FRAPO Financial Risk Modelling and Portfolio Optimisation with R. Authors: Bernhard Pfaff [aut, cre], Miguel Sousa Lobo [ctb] (SOCP), Lieven Vandenberge [ctb] (SOCP), Stephen Boyd [ctb] (SOCP), Herve Lebret [ctb] (SOCP).

FastPCS Compute the FastPCS outlyingness index. Author: Kaveh Vakili.

FindIt Find Heterogeneous Treatment Effects. Authors: Marc Ratkovic, Kosuke Imai.

FluOMatic Estimation of background-subtracted fluorescence data. Authors: Sebastien Joucla, Christophe Pouzat.

FuzzyNumbers Tools to deal with fuzzy numbers in R. Author: Marek Gagolewski.

FuzzyStatProb Fuzzy stationary probabilities from a sequence of observations of an unknown Markov chain. Author: Pablo J. Villacorta.

FuzzyToolkitUoN Type 1 Fuzzy Logic Toolkit. Authors: Craig Knott, Luke Hovell, Nathan Karimian with supervision from Jon Garibaldi.

GAIPE Graphical Extension with Accuracy in Parameter Estimation (GAIPE). Author: Tzu-Yao Lin.

GESTr Gene Expression State Transformation. Author: Ed Curry.

GOsummaries Word cloud summaries of GO enrichment analysis. Author: Raivo Kolde.

GRaF Species distribution modelling using latent Gaussian random fields. Author: Nick Golding.

GSIF Global Soil Information Facilities. Authors: Tomislav Hengl [cre, aut], Bas Kempen [aut], Gerard Heuvelink [aut], Brendan Malone [ctb], Hannes Reuter [ctb].

GUIDE GUI for DErivatives in R. Author: S Subramanian. In view: *Finance*.

GWG Calculation of probabilities for inadequate and excessive gestational weight gain. Author: Christina Riedel.

GeneticTools Collection of Genetic Data Analysis Tools. Author: Daniel Fischer.

GetR GetR: Calculate Guttman error trees in R. Authors: Johannes Beller, Soeren Kliem.

GibbsACOV Gibbs Sampler for One-Way Mixed-Effects ANOVA and ANCOVA Models. Authors: Emily Goren and Quan Zhang.

GoFKernel GoFKernel: Testing Goodness-of-fit with the Kernel Density Estimator. Author: Jose M. Pavia.

GriegSmith Uses Grieg-Smith method on 2 dimentional spatial data. Author: Brian McGuire. In view: *Spatial*.

GuardianR Guardian API Wrapper. Author: Marco Toledo Bastos & Cornelius Puschmann.

HAP.ROR Recursive Organizer (ROR). Authors: Lue Ping Zhao and Xin Huang.

HPOSim Analysis similarities between HPO terms and phenotypic similarity between genes and between diseases. Authors: Yue Deng, Gang Wang, Xiaocheng Huang and Tingting Ma.

IBDhaploRtools Functions for the Analysis of IBD Haplo output. Author: Marshall Brown.

IBHM Approximation using the IBHM method. Author: Pawel Zawistowski.

IM Orthogonal Moment Analysis. Authors: Bartek Rajwa, Murat Dundar, Allison Irvine, Tan Dang.

Iboot Iboot: iterated bootstrap tests and confidence sets. Author: Nicola Lunardon.

InferenceSMR Inference about the standardized mortality ratio when evaluating the effect of a screening program on survival. Authors: Denis Talbot, Thierry Duchesne, Jacques Brisson, Nathalie Vandal.

InteractiveIGraph Interactive network analysis and visualization. Author: Vygantas Butkus.

KappaGUI GUI for Cohen's and Fleiss' Kappa. Author: Frederic Santos.

Kmisc Miscellaneous functions intended to improve the R coding experience. Author: Kevin Ushey.

LARF Local Average Response Functions for Estimating Treatment Effects. Authors: Weihua An and Xuefu Wang. In view: *Econometrics*.

LDExplorer Efficient Whole-Genome LD Based Haplotpe Block Recognition. Authors: Daniel Taliun, Johann Gamper, Cristian Pattaro.

LDOD Finding Locally D-optimal optimal designs for some nonlinear and generalized linear models. Authors: Ehsan Masoudi, Majid Sarmad and Hooshang Talebi.

Lock5Data Datasets for "Statistics: UnLocking the Power of Data". Author: Robin Lock.

MALDIquantForeign Import/Export routines for **MALDIquant**. Author: Sebastian Gibb [aut, cre].

MAR1 Multivariate Autoregressive Modeling for Analysis of Community Time-Series Data. Author: Lindsay P. Scheef. In view: *TimeSeries*.

MASSTIMATE Body Mass Estimation Equations for Vertebrates. Author: Nicolas E. Campione.

MCPerm A Monte Carlo permutation method for multiple test correlation in case/control association study. Authors: Lanying Zhang and Yongshuai Jiang.

MDPtoolbox Markov Decision Processes toolbox. Authors: Iadine Chades, Guillaume Chapron, Marie-Josee Cros, Frederick Garcia, Regis Sabbadin.

MEET Motif Elements Estimation Toolkit. Authors: Joan Maynou and Erola Pairo.

MOJOV Mojo Variants: Rare Variants analysis. Author: Ke-Hao Wu.

MSwM Fitting Markov Switching Models. Authors: Josep A. Sanchez-Espigares, Alberto Lopez-Moreno.

MVN Multivariate Normality Tests. Author: Selcuk Korkmaz.

MapGAM Mapping Smoothed Odds Ratios from Individual-Level Data. Authors: Veronica Vieira, Scott Bartell, and Robin Bliss.

MedOr Median Ordering Statistical R package. Authors: Adriano Polpo, Carlos Alberto de Braganca Pereira.

MetaSKAT Meta analysis for SNP-set (Sequence) Kernel Association Test. Author: Seunggeun Lee.

MiClip A Model-based Approach to Identify Binding Sites in CLIP-Seq Data. Author: Tao Wang.

MiST Mixed effects Score Test for continuous outcomes. Authors: Jianping Sun, Yingye Zheng, and Li Hsu.

MicroStrategyR Author: Rick Pechter.

MixMAP Implements the MixMAP algorithm. Author: Gregory J. Matthews.

MixtureInf Inference for Finite Mixture Models. Authors: Jiahua Chen and Pengfei Li.

MonetDB.R Connect MonetDB to R. Authors: Hannes Muehleisen [aut, cre], Thomas Lumley [ctb], Anthony Damico [ctb].

MonoPoly Functions to fit monotone polynomials. Authors: Berwin A. Turlach [aut, cre], Kevin Murray [ctb].

Morpho Calculations and visualizations related to Geometric Morphometrics. Author: Stefan Schlager.

MuFiCokriging Multi-Fidelity Cokriging models. Author: Loic Le Gratiet.

MultinomialCI Simultaneous confidence intervals for multinomial proportions according to the method by Sison and Glaz. Author: Pablo J. Villacorta.

NHEMOtree Non-hierarchical evolutionary multi-objective tree learner to perform cost-sensitive classification. Author: Swaantje Casjens.

NPCD Nonparametric Methods for Cognitive Diagnosis. Authors: Yi Zheng and Chia-Yi Chiu, with contributions from Jeffrey A. Douglas.

NPCirc Nonparametric Circular Methods. Authors: María Oliveira, Rosa M. Crujeiras and Alberto Rodríguez-Casal.

Nozzle.R1 Nozzle Reports. Author: Nils Gehlenborg.

OPDOE OPtimal Design Of Experiments. Authors: Petr Simecek, Juergen Pilz Mingui Wang, Albrecht Gebhardt.

OmicKriging OmicKriging for Phenotypic Prediction. Authors: Hae Kyung Im, Heather E. Wheeler.

OneTwoSamples Deal with one and two (normal) samples. Author: Ying-Ying Zhang (Robert).

OpenMPController Control number of OpenMP threads dynamically. Author: Simon Guest.

OptInterim Optimal Two and Three Stage Designs for Single-Arm and Two-Arm Randomized Controlled Trials with a Long-Term Binary Endpoint. Authors: Bo Huang and Neal Thomas.

OrdLogReg Ordinal Logic Regression. Author: Bethany Wolf.

OutlierDC Outlier Detection using Quantile Regression for Censored Data. Authors: Soo-Heang Eo and HyungJun Cho.

PAGI Identify the dysregulated KEGG pathways based on global influence from the internal effect of pathways and crosstalk between pathways. Authors: Junwei Han, Yanjun Xu, Haixiu Yang, Chunquan Li and Xia Li.

PBSmapping Mapping Fisheries Data and Spatial Analysis Tools. Authors: Jon T. Schnute, Nicholas Boers, Rowan Haigh, Chris Grandin, Angus Johnson, Paul Wessel, Franklin Antonio. In view: *Spatial*.

PCovR Principal Covariates Regression. Authors: Marlies Vervloet [aut, cre], Henk Kiers [aut], Eva Ceulemans [ctb].

PIN Estimates the parameters of a trading-tree model for the computation of the probability of informed trading. Author: P. Zagaglia. In view: *Finance*.

PROTOLIDAR PRocess TOol LIdar DAta in R. Author: Monica Fernanda Rinaldi.

PReMiuM Dirichlet Process Bayesian Clustering, Profile Regression. Authors: David I. Hastie, Silvia Liverani and Sylvia Richardson, with a contribution by Lamiae Azizi.

PResiduals Probability scale residuals and residual correlations. Authors: Charles Dupont, Chun Li, Bryan Shepherd.

PST Probabilistic Suffix Trees. Author: Alexis Gabadinho.

PamGeneMixed Preprocessing and Modeling Kinase Activity Profiles in PamChip Data. Authors: Pushpike Thalikarathne, Ziv Shkedy, Dan Lin, Lieven Clement, and Geert Verbeke.

PlotRegionHighlighter Creates an envelope that surrounds a set of points plotted in a two dimensional space. Author: Elliot Noma.

PracTools Tools for Designing and Weighting Survey Samples. Authors: Richard Valliant, Jill A. Dever, Frauke Kreuter.

PropClust Propensity Clustering and Decomposition. Authors: John Michael O Ranola, Kenneth Lange, Steve Horvath, Peter Langfelder.

PropScrRand Propensity score methods for assigning treatment in randomized trials. Author: Travis M. Loux.

PurBayes Bayesian Estimation of Tumor Purity and Clonality. Author: Nicholas B. Larson.

Quandl Quandl Data Connection. Authors: Raymond McTaggart, Gergely Daroczi. In view: *TimeSeries*.

RAFM Admixture F-model. Author: Markku Karhunen.

RAP Reversal Association Pattern. Authors: U. Sangeetha, M. Subbiah with considerable contribution from M.R. Srinivasan.

RCA Relational Class Analysis. Authors: Amir Goldberg, Gabor Csardi, Jinjian Zhai.

RCircos Circos 2D Track Plot. Author: Hongen Zhang.

RClimMAWGEN R Climate Index Multi-site Auto-regressive Weather GENeretor: a package to generate time series of climate indices from RMAWGEN generations. Authors: Emanuele Cordano, Annalisa Di Piazza.

RDIDQ Perform Quality check on data. Author: Rahul Mehta.

RDSTK An R wrapper for the Data Science Toolkit API. Authors: Ryan Elmore and Andrew Heiss.

REBayes Empirical Bayes Estimation and Inference in R. Author: Roger Koenker.

RFGLS a family GWAS data-analysis tool that uses a generalized least squares method to perform single-marker association analysis. Authors: Xiang Li, Robert M. Kirkpatrick, and Saonli Basu.

RMessenger IM Client for R. Authors: Wush Wu, Jack Moffitt and Patrick Powell.

ROSE ROSE: Random Over-Sampling Examples. Authors: Nicola Lunardon, Giovanna Menardi, Nicola Torelli.

RSA Response surface analyses. Author: Felix Schönbrodt.

RSAP SAP Netweaver RFC connector for R. Author: Piers Harding.

RSGHB Functions for Hierarchical Bayesian Estimation: A Flexible Approach. Authors: Jeff Dumont, Jeff Keller, Chase Carpenter. In views: *Bayesian*, *Econometrics*.

RSiteCatalyst Adobe (Omniture) Reporting API. Author: Randy Zwitch & Jowanza Joseph.

RadialPlotter Statistical age models analysis in optically stimulated luminescence dating. Author: Peng Jun.

RbioRXN Process Rhea and MetaCyc (BioCyc, EcoCyc) biochemical reaction data. Authors: Byoungnam Min, Kyoung Heon Kim and In-Geol Choi.

RcmdrPlugin.EZR R Commander Plug-in for the EZR (Easy R) Package. Author: Yoshinobu Kanda.

RcmdrPlugin.MA Graphical User Interface for Conducting Meta-Analyses in R. Author: AC Del Re. In view: *MetaAnalysis*.

RcmdrPlugin.SM Rcmdr Sport Management Plug-In. Author: Stéphane Champely.

RcmdrPlugin.lfstat Rcmdr Plug-In for low flow analysis. Authors: Daniel Koffler and Gregor Laaha.

RcmdrPlugin.plotByGroup Rcmdr plots by group using lattice. Author: Poul Svante Eriksen with contributions by Ege Rubak.

RcmdrPlugin.seeg Rcmdr Plugin for **seeg**. Author: Miguel F. Acevedo.

RcmdrPlugin.temis Graphical user interface providing an integrated text mining solution. Authors: Milan Bouchet-Valat [aut, cre], Gilles Bastin [aut]. In view: *NaturalLanguageProcessing*.

RcppClassicExamples Examples using RcppClassic to interface R and C++. Authors: Dirk Eddelbuettel and Romain Francois, based on code written during 2005 and 2006 by Dominick Samperi.

RcppProgress An interruptible progress bar with OpenMP support for C++ in R packages. Author: Karl Forner.

RcppRoll Fast rolling functions through Rcpp and RcppArmadillo. Author: Kevin Ushey.

RcppXts Interface the xts API via Rcpp. Author: Dirk Eddelbuettel.

Reol R interface to the Encyclopedia of Life. Authors: Barb Banbury, Brian O'Meara.

Rgbp Bayesian Hierarchical Modeling and Frequentist Method Check. Authors: Joseph Kelly, Carl Morris, and Hyungsuk Tak.

Rgnuplot R interface for gnuplot. Authors: Göran Högnäs [ths], Nicolas Devillard [aut], Mauricio Galo [ctb], Patrick J. Bartlein [ctb], Oscar Perpiñán Lamigueiro [ctb], José Gama [aut, cre].

Ritc Isothermal Titration Calorimetry (ITC) Data Analysis. Author: Yingyun Liu.

SAMURAI Sensitivity Analysis of a Meta-analysis with Unpublished but Registered Analytical Investigations. Authors: Noory Y. Kim. Advisors: Shrikant I. Bangdiwala, Gerald Gartlehner. In view: *MetaAnalysis*.

SAVE Implementation of the SAVE approach for Computer Models. Authors: Rui Paulo, Gonzalo Garcia-Donato, and Jesus Palomo, with contributions from J. Berger, S. Bayarri and J. Sacks.

SDBP Calculate the third-order accurate Unbiased P-values via Speedy double bootstrap method. Author: Aizhen Ren.

SDD Serial Dependence Diagrams. Authors: Luca Bagnato, Lucio De Capitani, Angelo Mazza and Antonio Punzo.

SEMID Identifiability of linear structural equation models. Authors: Rina Foygel, Mathias Drton.

SLHD Maximin-Distance (Sliced) Latin Hypercube Designs. Author: Shan Ba.

SMCRM Data Sets for Statistical Methods in Customer Relationship Management by Kumar and Petersen (2012). Authors: Tobias Verbeke, based on datasets provided on the book's website.

SMFI5 R functions and data from Chapter 5 of "Statistical Methods for Financial Engineering". Author: Bruno Remillard.

SMNCensReg Fitting univariate censored regression model under the scale mixture of normal distributions. Authors: Aldo M. Garay, Victor Lachos and Monique Bettio Massuia.

SNPMClust A bivariate Gaussian genotype clustering and calling algorithm for Illumina microarrays. Authors: Stephen W. Erickson, with contributions from Joshua Callaway.

SNPtools Accessing, subsetting and plotting mouse SNPs. Author: Daniel Gatti.

SODC Optimal Discriminant Clustering (ODC) and Sparse Optimal Discriminant Clustering (SODC). Author: Yanhong Wang.

SOLOMON Parentage analysis. Author: Mark Christie.

SSDforR SSD for R to analyze single system data. Authors: Charles Auerbach, Wendy Zeitlin Schudrich.

SSN Spatial Modeling on Stream Networks. Authors: Jay Ver Hoef and Erin Peterson.

SUE Subsampling method. Author: Jim Yi.

SemiMarkov Multi-States Semi-Markov Models. Authors: Agnieszka Listwon, Philippe Saint-Pierre.

Sequential Exact Sequential Analysis for Poisson Data. Authors: Ivair Ramos Silva and Martin Kulldorff.

SetMethods SetMethods: A Package Companion to "Set-Theoretic Methods for the Social Sciences"" Author: Mario Quaranta.

SharpeR Statistical significance of Sharpe ratio. Author: Steven E. Pav. In view: *Finance*.

Skillings.Mack The Skillings-Mack test Statistic for block designs with missing observations. Authors: Patchanok Srisuradetchai, John J. Borkowski.

SmoothHazard Fitting illness-death model for interval-censored data. Authors: Celia Touraine, Pierre Joly, Thomas A. Gerds. In view: *Survival*.

SnowballC Snowball stemmers based on the C libstemmer UTF-8 library. Author: Milan Bouchet-Valat [aut, cre]. In view: *NaturalLanguageProcessing*.

SparseTSCGM Sparse time series chain graphical models. Authors: Fentaw Abegaz and Ernst Wit.

SphericalCubature Numerical integration over spheres and balls in n-dimensions; multivariate polar coordinates. Authors: John P. Nolan.

StVAR Student's t Vector Autoregression (StVAR). Author: Niraj Poudyal.

Stack Stylized concatenation of data.frames or ffdfs. Author: Mike Malecki.

StandardizeText Standardize Text. Author: David Nepomechie.

Stat2Data Datasets for Stat2. Author: Robin Lock.

SvyNom Nomograms for Right-Censored Outcomes from Survey Designs. Authors: Mithat Gonen, Marinela Capanu. In view: *Survival*.

TDD Time-Domain Deconvolution of Seismometer Response. Author: Jake Anderson.

TestScorer Scores tests, shows and saves the results. Author: Manel Salamero.

TimeMachine Time Machine. Authors: Gianluca Campanella [aut, cre], Marc Chadeau-Hyam [aut], Maria De Iorio [ctb], Ajay Jasra [ctb].

TimeProjection Time Projections. Author: Jeffrey Wong. In view: *TimeSeries*.

TraMineRextras Extras for use with the **TraMineR** package. Authors: Gilbert Ritschard, Reto Bürgin and Matthias Studer, with contributions from Alexis Gabadinho, Nicolas Müller and Patrick Rousset.

TreeSimGM Simulating Phylogenetic Trees under a General Model. Authors: Oskar Hagen, Tanja Stadler.

UWHAM Unbinned weighted histogram analysis method (UWHAM). Authors: Zhiqiang Tan and Emilio Gallicchio.

VGAMdata Data supporting the **VGAM** package. Author: Thomas W. Yee.

VisuClust Authors: Michael Sieger and Georg Ohmayer.

WARN Weaning Age Reconstruction with Nitrogen isotope analysis. Author: Takumi Tsutaya.

WebDevelopR Website development package for R. Authors: Evan Ray, Peter Krafft, John Staudenmayer.

WeightedCluster Clustering of Weighted Data. Author: Matthias Studer.

WordPools Classical word pools used in studies of learning and memory. Author: Michael Friendly.

XiMpLe A simple XML tree parser and generator. Author: m.eik michalke.

YplantQMC Plant architectural analysis with Yplant and QuasiMC. Authors: Remko Duursma. QuasiMC by Mik Cieslak. Uses code by Robert Pearcy (Yplant) and Belinda Medlyn (MAESTRA).

YuGene YuGene for comparing gene expression across platforms. Authors: Leo McHugh, Kim-Anh Le Cao.

ZeBook ZeBook Working with dynamic models for agriculture and environment. Authors: Francois Brun, David Makowski, Daniel Wallach, James W. Jones.

aBioMarVsuit A Biomarker Validation Suit for predicting Survival using gene signature. Authors: Pushpike Thalikarathne and Ziv Shkedy. In view: *Survival*.

aCRM Convenience functions for analytical Customer Relationship Management. Authors: Dirk Van den Poel, Michel Ballings, Andrey Volkov, Jeroen D'haen, Michiel Vanherwegen.

abctools Tools for ABC analyses. Authors: Matt Nunes and Dennis Prangle.

agrmt Calculate agreement. Author: Didier Ruedin.

akmeans Adaptive Kmeans algorithm based on threshold. Author: Jungsuk Kwac.

alr4 Data to accompany "Applied Linear Regression" 4rd edition. Author: Sanford Weisberg.

aods3 Analysis of Overdispersed Data using S3 methods. Authors: Matthieu Lesnoff and Renaud Lancelot.

arfima Fractional ARIMA Time Series Modeling. Authors: Justin Q. Veenstra, A.I. McLeod. In view: *TimeSeries*.

argparse Command line optional and positional argument parser. Author: Trevor L Davis. Ports examples from the argparse Python module by the Python Software Foundation. Ports examples from the **getopt** package by Allen Day.

astro Astronomy Functions, Tools and Routines. Author: Lee Kelvin. In view: *ChemPhys*.

audiolyzR Give your data a listen. Authors: Eric Stone, Jesse Garrison.

bPeaks A simple and intuitive approach for detection of basic peaks (bPeaks) from ChIP-seq data. Authors: Jawad MERHEJ and Gaelle LELANDAIS.

bagRboostR Ensemble bagging and boosting classifiers. Author: Shannon Rush.

bayess Bayesian Essentials with R. Authors: Christian P. Robert, Universite Paris Dauphine, and Jean-Michel Marin, Universite Montpellier 2.

bbo Biogeography-Based Optimization. Authors: Sarvesh Nikumbh (BBO originally invented by Prof. Dan Simon, Cleveland State University, Ohio).

bgeva Binary Generalized Extreme Value Additive Models. Authors: Raffaella Calabrese, Giampiero Marra and Silvia Anlgela Osmetti.

bigRR Generalized Ridge Regression (with special advantage for $p \gg n$ cases). Authors: Xia Shen, Moudud Alam and Lars Ronnegard.

bigrf Big Random Forests: Classification and Regression Forests for Large Data Sets. Authors: Aloysius Lim, Leo Breiman, Adele Cutler. In views: *HighPerformanceComputing*, *MachineLearning*.

biom Interface (beta) for the BIOM file format. Authors: Paul J. McMurdie and the biom-format team.

bmrm Bundle Methods for Regularized Risk Minimization Package. Author: Julien Prados.

bnpmr Bayesian monotonic nonparametric regression. Author: Bjoern Bornkamp.

boilerpipeR Interface to the boilerpipe Java library by Christian Kohlschutter (`http://code.google.com/p/boilerpipe/`). Author: Mario Annau [aut, cre].

bride Brier score decomposition of probabilistic forecasts for binary events. Author: Stefan Siegert.

brnn Bayesian regularization for feed-forward neural networks. Authors: Paulino Perez Rodriguez, Daniel Gianola.

bscr Bayesian parametric and semi-parametric analyses for semi-competing risks data. Authors: Kyu Ha Lee, Sebastien Haneuse, Deborah Schrag, and Francesca Dominici. In view: *Survival*.

c060 Additional variable selection, model validation and parameter tuning functions for glmnet models. Authors: Martin Sill, Thomas Hielscher, Manuela Zucknick, Natalia Becker.

cape Combined analysis of pleiotropy and epistasis. Authors: Anna L. Tyler, Wei Lu, Justin J. Hendrick, Vivek M. Philip, and Greg W. Carter.

catenary Fits a catenary to given points. Authors: Jonathan Tuke, Matthew Roughan.

causalsens Selection Bias Approach to Sensitivity Analysis for Causal Effects. Author: Matthew Blackwell.

cdb Reading and Writing Constant DataBases. Author: Emilio Torres Manzanera [aut, cre].

cec2013 Benchmark functions for the Special Session and Competition on Real-Parameter Single Objective Optimization at CEC-2013. Authors: Mauricio Zambrano-Bigiarini [aut, cre], Yasser Gonzalez Fernandez [aut].

celestial Collection of common astronomical conversion routines. Author: Aaron Robotham.

cgAUC Calculate AUC-type measure when gold standard is continuous and the corresponding optimal linear combination of variables with respect to it. Authors: Yuan-chin I. Chang, Yu-chia Chang, and Ling-wan Chen.

chebpol Multivariate Chebyshev interpolation. Author: Simen Gaure.

chillR Statistical methods for phenology analysis in temperate fruit trees. Author: Eike Luedeling.

citccmst CIT Colon Cancer Molecular SubTypes Prediction. Author: Laetitia Marisa.

cladoRcpp C++ implementations of phylogenetic calculations. Author: Nicholas J. Matzke [aut, cre, cph].

cldr Language Identifier based on CLD library. Authors: The Chromium Authors, Mike McCandless, Matt Sanford, Aykut Firat.

clinUtiDNA Clinical Utility of DNA Testing. Author: Thuy Trang Nguyen.

cocor Comparing correlations. Author: Birk Diedenhofen.

coefficientalpha Robust Cronbach's alpha with missing and non-normal data. Authors: Zhiyong Zhang and Ke-Hai Yuan.

colorfulVennPlot Plot and add custom coloring to Venn diagrams for 2-dimensional, 3-dimensional and 4-dimensional data. Authors: Elliot Noma, Aliona Manvae.

compositionsGUI Graphical User Environment for Compositional Data Analysis. Authors: Jiri Eichler, Karel Hron, Raimon Tolosana-Delgado, Gerald van den Boogaart, Matthias Templ, Peter Filzmoser.

conting Bayesian analysis of contingency tables. Author: Antony M. Overstall.

corHMM Analysis of binary character evolution. Authors: Jeremy M. Beaulieu, Jeffrey C. Oliver, Brian O'Meara.

covTest Computes covariance test for adaptive linear modelling. Authors: Richard Lockhart, Jon Taylor, Ryan Tibshirani, Rob Tibshirani.

currentSurvival Estimation of CCI and CLFS Functions. Authors: Eva Janousova, Tomas Pavlik, Jiri Mayer, Ladislav Dusek. In view: *Survival*.

cvAUC Cross-Validated Area Under the ROC Curve Confidence Intervals. Authors: Erin LeDell, Maya Petersen, Mark van der Laan.

cvxclustr Splitting methods for convex clustering. Author: Eric C. Chi.

cwm Cluster Weighted Models by EM algorithm. Authors: Giorgio A. Spedicato, Simona C. Minotti.

datacheck Tools for checking data consistency. Author: Reinhard Simon.

dataone DataONE R Client. Authors: Matthew Jones, Rob Nahf.

dataonelibs DataONE R Client Libraries. Authors: Matthew Jones, Rob Nahf.

datautils Support functions for packages **VBmix**, **semisupKernelPCA**, and **patchPlot**. Author: Pierrick Bruneau.

dave Functions for "Data Analysis in Vegetation Ecology". Author: Otto Wildi.

dbEmpLikeNorm Test for joint assessment of normality. Authors: Lori A. Shepherd, Wan-Min Tsai, Albert Vexler, Jeffrey C. Miecznikowski.

dclong.spt Sequential Permutation Test. Author: Chuanlong (Ben) Du.

ddalpha DDalpha-Classifier. Authors: Oleksii Pokotylo, Pavlo Mozharovskyi.

demi Differential Expression from Multiple Indicators. Authors: Sten Ilmjarv and Hendrik Luuk.

dendroextras Extra functions to cut, label and colour dendrogram clusters. Author: Gregory Jefferis.

designGG Computational tool for designing genetical genomics experiments. Authors: Yang Li, Morris Swertz, Gonzalo Vera, Rainer Breitling, Ritsert Jansen.

df2json Convert a dataframe to JSON. Author: Nacho Caballero.

diffdepprop Calculates Confidence Intervals for two Dependent Proportions. Authors: Daniela Wenzel, Antonia Zapf.

discreteRV Author: Andreas Buja.

discrimARTs Discrimination of Alternative Reproductive Tactics (ARTs). Authors: J. Mark Rowland, Clifford Qualls, and Christian Gunning.

displayHTS Author: Xiaohua Douglas Zhang & Zhaozhi Zhang. In view: *ExperimentalDesign*.

distory Distance Between Phylogenetic Histories. Authors: John Chakerian and Susan Holmes. In view: *Phylogenetics*.

distrRmetrics Package **distr** classes for distributions from Rmetrics. Authors: Nataliya Horbenko, Matthias Kohl, Daria Pupashenko, Myhailo Pupashenko, Peter Ruckdeschel.

driftsel Distinguishing drift and natural selection as causes of phenotypic differentiation. Author: Markku Karhunen & Otso Ovaskainen.

dvn Access to The Dataverse Network API. Author: Thomas J. Leeper.

eHOF Extended and enhanced Hierarchical Logistic Regression models (so called Huisman-Olff-Fresco models). Authors: Florian Jansen, Jari Oksanen.

earlywarnings Early Warning Signals Toolbox for Detecting Critical Transitions in Timeseries. Authors: Vasilis Dakos, with contributions from S.R. Carpenter, T. Cline, L. Lahti.

easystab Clustering Perturbation Stability Analysis. Authors: Hoyt Koepke, Zongjun Hu, Bertrand Clarke.

ecosim Toolbox for Aquatic Ecosystem Modeling. Author: Peter Reichert.

ecp Nonparametric Multiple Change Point Analysis of Multivariate Data. Authors: Nicholas A. James and David S. Matteson.

eive An algorithm for reducing errors-in-variable bias in simple linear regression. Authors: Mehmet Hakan Satman, Erkin Diyarbakirlioglu.

ensembleMOS Ensemble Model Output Statistics. Authors: RA Yuen, Tilmann Gneiting, Thordis Thorarinsdottir, Chris Fraley.

epibase basic tools for the analysis of disease outbreaks. Authors: The Hackout team (In alphabetic order: David Aanensen, Marc Baguelin, Paul Birrell, Simon Cauchemez, Anton Camacho, Caroline Colijn, Anne Cori, Xavier Didelot, Ken Eames, Christophe Fraser, Simon Frost, Niel Hens, Joseph Hugues, Thibaut Jombart, Lulla Opatowski, Oliver Ratmann, Samuel Soubeyrand, Marc Suchard, Jacco Wallinga, Rolf Ypma).

ergm.count Fit, Simulate and Diagnose Exponential-Family Models for Networks with Count Edges. Authors: Pavel N. Krivitsky [aut, cre], Mark S. Handcock [ctb], David R. Hunter [ctb].

ergmharris Local Health Department network data set. Author: Jenine K. Harris.

eventstudies Event study and extreme event analysis. Authors: Ajay Shah, Vimal Balasubramaniam, Vikram Bahure.

expoTree Calculate density dependent likelihood of a phylogenetic tree. Authors: Gabriel E Leventhal, partly adapted from MATLAB code by Awad H. Al-Mohy and using the routines DLNAC1 and DLARPC by Sheung Hun Cheng, and DLAPST from ScaLAPACK.

exsic Convenience functions for botanist to create exsiccatae indices. Authors: Reinhard Simon, David M. Spooner.

fail File Abstraction Interface Layer (FAIL) mimicking a key-value store. Author: Michel Lang.

farsi Translate integers into persian. Author: Sadegh Rasoulinejad.

fastclime A fast solver for constrained l1 minimization approach to sparse precision matrix estimation. Authors: Haotian Pang, Han Liu and Robert Vanderbei.

fbRanks Association Football (Soccer) Ranking via Poisson Regression. Author: Eli Holmes.

fftwtools Author: Karim Rahim.

fit.models Author: Kjell Konis.

gIPFrm Generalized Iterative Proportional Fitting for Relational Models. Authors: Anna Klimova, Tamas Rudas.

gains Gains Table Package. Author: Craig A. Rolling.

gamlr Gamma Lasso Regression. Author: Matt Taddy.

gaoptim Genetic Algorithm optimization for real-based and permutation-based problems. Author: Fernando Tenorio.

gazetools Gaze Tools. Author: Ryan M. Hope.

gcookbook Data for "R Graphics Cookbook". Author: Winston Chang.

geigen Calculate generalized eigenvalues of a matrix pair. Author: Berend Hasselman.

gems Generalized multistate simulation model. Authors: Luisa Salazar Vizcaya, Nello Blaser, Thomas Gsponer. In view: *Survival*.

genMOSS An implementation of the MOSS algorithm for the analysis of GWAS data. Authors: Matthew Friedlander and Laurent Briollais.

gensemble Generalized ensemble methods. Authors: Peter Werner, Eugene Dubossarsky.

geoscale Geological timescale plot. Author: Mark A. Bell.

geospacom Helper package to facilitate the generation of distance matrices used in the package **spacom**. Authors: Davide Morselli [aut], Mathieu Cossuta [aut, cre], Till Junge [aut], Sandra Penic [aut], Guy Elcheroth [ctb], Stephanie Glaeser [ctb].

ggdendro Tools for extracting dendrogram and tree diagram plot data for use with **ggplot**. Authors: Andrie de Vries, Brian Ripley.

ggthemes Extra themes, scales and geoms for **ggplot**. Author: Jeffrey B. Arnold.

glassomix High dimensional Sparse Gaussian Graphical Mixture Model. Authors: Anani Lotsi and Ernst Wit.

gplm Generalized partial linear models (GPLM). Author: Marlene Mueller.

grnn General regression neural network. Author: Pierre-Olivier Chasset.

gsg Calculation of selection coefficents. Authors: Michael Morrissey, Krzysztof Sakrejda.

gte Generalized Turnbull's estimator. Authors: Mohammad Hossein Dehghan, Thierry Duchesne and Sophie Baillargeon.

hSDM Hierarchical Bayesian species distribution models. Authors: Ghislain Vieilledent, Andrew M. Latimer, Alan E. Gelfand, Cory Merow, Adam M. Wilson, Frederic Mortier and John A. Silander Jr.

hashFunction A collection of non-cryptographic hash functions. Author: Xiaowei Zhan.

hcc Hidden correlation check. Authors: Yun Shi and A. I. McLeod.

heatex Heat exchange calculations during physical activity. Author: Kerry Atkins.

het.test White's Test for Heteroskedasticity. Author: Sebastian Andersson.

hht The Hilbert-Huang Transform: Tools and Methods. Author: Daniel Bowman [aut, cre].

highfrequency Authors: Jonathan Cornelissen, Kris Boudt, Scott Payseur. In view: *Finance*.

highriskzone Determining and evaluating high-risk zones. Authors: Heidi Seibold, Monia Mahling.

hint Tools for hypothesis testing based on Hypergeometric Intersection distributions. Author: Alex T. Kalinka.

hsicCCA Canonical Correlation Analysis based on Kernel Independence Measures. Author: Billy Chang.

httpuv HTTP and WebSocket server library. Authors: RStudio, Inc.

iWeigReg Improved methods for causal inference and missing data problems. Authors: Zhiqiang Tan and Heng Shu.

ibd Incomplete Block Designs. Author: Baidya Nath Mandal.

inflection Finds the inflection point of a curve. Author: Demetris T. Christopoulos.

installr Functions for updating and installing a new version of R and other software from R. Author: Tal Galili.

jaatha A Fast Parameter Estimation Method for Evolutionary Biology. Authors: Lisha Mathew, Paul R. Staab and Dirk Metzler.

jackknifeKME Jackknife estimates of Kaplan-Meier estimators or integrals. Authors: Hasinur Rahaman Khan and Ewart Shaw. In view: *Survival*.

kdetrees Nonparametric method for identifying discordant trees. Authors: Grady Weyenberg and Peter Huggins.

kernelFactory Kernel Factory: An ensemble of kernel Machines. Authors: Michel Ballings, Dirk Van den Poel.

kolmim An improved evaluation of Kolmogorov's distribution. Author: Luis Carvalho.

lazyData A LazyData Facility. Author: Bill Venables.

lbiassurv Length-biased correction to survival curve estimation. Authors: Pierre-Jerome Bergeron and Vahid Partovi Nia. In view: *Survival*.

lfstat Calculates Low Flow Statistics for daily stream flow data. Author: Daniel Koffler.

lisrelToR Import output from LISREL into R. Author: Sacha Epskamp.

llama Leveraging Learning to Automatically Manage Algorithms. Authors: Lars Kotthoff, contributions by Barry Hurley.

lmeNB Fit negative binomial mixed-effect regression model. Authors: Zhao, Y. and Kondo, Y.

lmeNBBayes Sample from the posterior of the negative binomial mixed-effect regression model. The random effect is modeled with DP mixture of beta distributions. Author: Yumi Kondo.

lmerTest Tests for random and fixed effects for linear mixed effect models (lmer objects of **lme4** package). Authors: Alexandra Kuznetsova, Per Bruun Brockhoff, Rune Haubo Bojesen Christensen.

localgauss Estimating local Gaussian parameters. Author: Tore Selland Kleppe.

logistiX Exact logistic regression including Firth correction. Authors: Georg Heinze and Tobias Ladner.

longCatEDA Plotting Categorical Longitudinal and Time-Series Data. Author: Stephen Tueller.

ltmle Longitudinal Targeted Maximum Likelihood Estimation. Authors: Joshua Schwab, Maya Petersen, and Mark van der Laan, with contributions from Susan Gruber.

madsim A Flexible Microarray Data Simulation Model. Author: Doulaye Dembele.

margie Log Marginal Likelihood of Gaussian Mixture. Authors: Elisa Loza [aut, cre], David Phillips [aut, com].

marked R Code for mark-recapture analysis. Authors: Jeff Laake, Devin Johnson, Paul Conn.

marmap Import, plot and analyze bathymetric and topographic data. Authors: Eric Pante and Benoit Simon-Bouhet.

matie Measuring Association and Testing Independence Efficiently. Authors: Ben Murrell, Dan Murrell & Hugh Murrell.

mcIRT IRT models for multiple choice items (mcIRT). Author: Manuel Reif. In view: *Psychometrics*.

mchof multicore higher-order functions. Author: Ryan Grannell. In view: *HighPerformanceComputing*.

medSTC A max-margin supervised Sparse Topical Coding Model. Authors: Jun Zhu, Aykut FIRAT.

melody Statistical Methods for the Quantitative Analysis of Song Spectrograms. Author: Dave Schruth.

metabolomics A collection of functions for analysing metabolomics data. Authors: Alysha M De Livera and Jairus B Bowne.

metacom Analysis of the 'elements of metacommunity structure'. Author: Tad Dallas. In view: *Environmetrics*.

metagen Generalised Inference in the Random Effects Meta Regression Model. Author: Thomas Friedrich. In view: *MetaAnalysis*.

meteogRam Tools for plotting meteograms. Author: Bogdan Bochenek.

micromap Linked Micromap Plots. Authors: Quinn Payton and Tony Olsen with contributions from Marc Weber, Michael McManus, and Tom Kincaid. In view: *Spatial*.

miscF Miscellaneous Functions. Author: Dai Feng.

mistral Methods in Structural Reliability. Authors: Vincent Moutoussamy, Nicolas Bousquet and Bertrand Iooss.

mixture Mixture Models for Clustering and Classification. Authors: Ryan P. Browne and Paul D. McNicholas.

mlearning Machine learning algorithms with unified interface and confusion matrices. Author: Ph. Grosjean & K. Denis.

modiscloud R tools for processing Level 2 Cloud Mask products from MODIS. Authors: Nicholas J. Matzke, Dept. of Integrative Biology, U.C. Berkeley.

move Visualizing and analyzing animal track data. Authors: Bart Kranstauber, Marco Smolla.

msarc Draws diagrams (mis)representing the results of mass spec experiments. Authors: Gord Brown, Hisham Mohammed.

msgl High dimensional multiclass classification using sparse group lasso. Authors: Martin Vincent (Sparse group lasso), Conrad Sanderson (Armadillo), Jaakko Jarvi (Boost Tuple) and Jens Maurer (Boost Random).

msgpackR A library to serialize or unserialize data in MessagePack format. Author: Mikiya Tanizawa.

msme Functions and Datasets for "Methods of Statistical Model Estimation". Authors: Joseph Hilbe and Andrew Robinson.

multilevelPSA Multilevel Propensity Score Analysis. Author: Jason Bryer.

mvinfluence Influence Measures and Diagnostic Plots for Multivariate Linear Models. Author: Michael Friendly.

nCDunnett Noncentral Dunnett's test distribution. Authors: Siomara Cristina Broch, Daniel Furtado Ferreira.

nCal Nonlinear Calibration. Authors: Youyi Fong, Krisztian Sebestyen.

ncbit Retrieve and build NBCI taxonomic data. Author: Jon Eastman.

nephro Biostatistics utilities for nephrology. Author: Cristian Pattaro.

nets Network Estimation for Time Series. Author: Christian Brownlees. In view: *TimeSeries*.

networkTomography Tools for network tomography. Authors: Alexander W Blocker, Paul Koullick, Edoardo Airoldi.

neuroblastoma Author: Toby Dylan Hocking.

nloptwrap Wrapper for Package **nloptr**. Author: Hans W Borchers.

nordklimdata1 Dataset for climate analysis with data from the Nordic region. Authors: Heikki Tuomenvirta [aut], Achim Drebs [aut], Eirik Forland [aut], Ole Einar Tveito [aut], Hans Alexandersson [aut], Ellen Vaarby Laursen [aut], Trausti Jonsson [aut], Jose' Gama [cre].

nose Author: originally written by Subbiah M, packaged by Sumathi R with considerable contributions by Srinivasan M R.

noweb Noweb system for R. Author: Terry Therneau.

nsprcomp Non-Negative Sparse PCA. Authors: Sigg Christian [aut, cre], R Core team [aut].

nutshell.audioscrobbler Audioscrobbler data for "R in a Nutshell". Author: Joseph Adler.

nutshell.bbdb Baseball Database for "R in a Nutshell". Author: Joseph Adler.

optAUC Optimal Combinations of Diagnostic Tests Based on AUC. Authors: Xin Huang, Gengsheng Qin, Yixin Fang.

outbreaker Bayesian inference of outbreak dynamics based on epidemiological and genetic information. Authors: Thibaut Jombart, Anne Cori, Xavier Didelot, Simon Cauchemez, Christophe Fraser, Neil Ferguson.

overlap Estimates of coefficient of overlapping for animal activity patterns. Authors: Mike Meredith and Martin Ridout.

packHV A few useful functions for statisticians. Author: Hugo Varet.

pairwise Rasch Model Parameters by Pairwise Algorithm. Author: Joerg-Henrik Heine.

parallelize.dynamic Automate parallelization of function calls by means of dynamic code analysis. Author: Stefan Boehringer.

parma Portfolio Allocation and Risk Management Applications. Author: Alexios Ghalanos. In view: *Finance*.

partDSA Partitioning using deletion, substitution, and addition moves. Authors: Annette Molinaro, Karen Lostritto, Gregory Ryslik, Steve Weston. In view: *HighPerformance-Computing*.

partialOR Partial Odds Ratio. Authors: Vaclav Fidler and Nico Nagelkerke.

pass Prediction and Stability Selection of Tuning Parameters. Authors: Yixin Fang, Wei Sun, Junhui Wang.

patchDVI Patch '.dvi' files. Author: Duncan Murdoch.

patchPlot Scatterplots of image patches. Author: Pierrick Bruneau.

pavo Perceptual analysis, visualization and organization of spectral color data in R. Authors: Rafael Maia [aut, cre], Chad Eliason [aut], Pierre-Paul Bitton [aut].

pbdDEMO Programming with Big Data – Demonstrations of pbd Packages. Authors: Drew Schmidt [aut, cre], Wei-Chen Chen [aut], George Ostrouchov [aut], Pragneshkumar Patel [aut]. In view: *HighPerformanceComputing*.

pbdNCDF4 Programming with Big Data – Interface to Parallel Unidata NetCDF4 Format Data Files. Authors: Pragneshkumar Patel [aut, cre], George Ostrouchov [aut], Wei-Chen Chen [aut], Drew Schmidt [aut], David Pierce [aut]. In views: *HighPerformanceComputing*, *SpatioTemporal*.

pca3d Three dimensional PCA plots. Author: January Weiner.

pcrsim Simulation of the forensic DNA process. Author: Oskar Hansson.

pearson7 Maximum Likelihood Inference for the Pearson VII Distribution with Shape Parameter 3/2. Author: John Hughes.

perARMA Periodic Time Series Analysis. Authors: Anna Dudek, Harry Hurd and Wioletta Wojtowicz. In view: *TimeSeries*.

permGPU Using GPUs in Statistical Genomics. Authors: Ivo D. Shterev, Sin-Ho Jung, Stephen L. George and Kouros Owzar. In view: *HighPerformanceComputing*.

persiandictionary English to Persian dictionary. Authors: Sadegh Rasoulinejad (R package and database version of the dictionary) Manouchehr Aryanpour (for the original dictionary).

pfa Estimates False Discovery Proportion Under Arbitrary Covariance Dependence. Authors: Jianqing Fan, Tracy Ke, Sydney Li and Lucy Xia.

phenex Auxiliary functions for phenological data analysis. Authors: Lange, Maximilian and Doktor, Daniel.

phtt Panel Data Analysis with Heterogeneous Time Trends. Authors: Oualid Bada, Dominik Liebl.

phylolm Phylogenetic Linear Regression. Authors: Lam Si Tung Ho, Cecile Ane.

pitchRx Tools for Collecting and Visualizing Major League Baseball PITCHf/x Data. Author: Carson Sievert.

plfm Probabilistic latent feature analysis of two-way two-mode frequency data. Author: Michel Meulders.

pmmlTransformations Transform input data from a PMML perspective. Author: Tridivesh Jena.

pnn Probabilistic neural networks. Author: Pierre-Olivier Chasset.

pocrm Dose-finding in drug combination Phase I trials using the partial order continual reassessment method (PO-CRM). Author: Nolan A. Wages.

polyCub Cubature over Polygonal Domains. Authors: Sebastian Meyer [aut, cre, trl], Michael Hoehle [ths].

pom Patch Occupancy Models. Authors: Fawn Hornsby, Ryan Nielson, and Trent McDonald (www.west-inc.com).

popgraph Construct and manipulate population graphs. Author: Rodney J. Dyer.

poppr Genetic analysis of populations with mixed reproduction. Authors: Zhian N. Kamvar, Javier F. Tabima, Niklaus J. Grunwald.

probsvm Class probability estimation for Support Vector Machines. Authors: Chong Zhang, Seung Jun Shin, Junhui Wang, Yichao Wu, Hao Helen Zhang, and Yufeng Liu.

proteomicdesign Optimization of a multi-stage proteomic study. Author: Irene SL Zeng.

psbcGroup Penalized semi-parametric Bayesian Cox (PSBC) models with shrinkage and grouping priors. Authors: Kyu Ha Lee, Sounak Chakraborty, (Tony) Jianguo Sun.

psd Adaptive, sine-multitaper power spectral density estimation. Authors: Robert L. Parker and Andrew J. Barbour.

qdap Bridging the gap between qualitative data and quantitative analysis. Author: Tyler Rinker. In view: *NaturalLanguageProcessing*.

quantregGrowth Growth charts via regression quantiles. Author: Vito M. R. Muggeo.

questionr Functions to make surveys processing easier. Authors: Julien Barnier, François Briatte.

rCMA CMA-ES R-to-Java interface. Author: Wolfgang Konen.

rCarto Build maps with a full cartographic layout. Author: Timothee Giraud.

rGammaGamma Gamma convolutions for methylation array background correction. Author: Tim Triche, Jr.

rHadoopClient hadoop client interface for R. Author: Yohei Sato.

rPython Allows R to call Python. Author: Carlos J. Gil Bellosta.

randomGLM Random General Linear Model Prediction. Authors: Lin Song, Peter Langfelder.

rattle Graphical user interface for data mining in R. Authors: Graham Williams [aut, cph, cre], Mark Vere Culp [cph], Ed Cox [ctb], Anthony Nolan [ctb], Denis White [cph], Daniele Medri [ctb], Akbar Waljee [ctb] (OOB AUC for Random Forest). In view: *MachineLearning*.

rawFasta Memory efficient handling of FASTA sequence files, a pure R implementation. Author: Sylvain Mareschal.

rbefdata BEFdata R package. Authors: Claas-Thido Pfaff, Karin Nadrowski.

readMETEO Weather Data Download from www.meteogalicia.com. Author: Dominic Roye.

recluster Solving biasing produced by tied values in cluster analysis. Authors: Leonardo Dapporto, Matteo Ramazzotti, Simone Fattorini, Roger Vila, Gerard Talavera, Roger H.L. Dennis.

refGenome Managing data from reference genomes (UCSC, ensembl). Author: Wolfgang Kaisers.

relaxnet Relaxation of glmnet models (as in relaxed lasso, Meinshausen 2007). Authors: Stephan Ritter, Alan Hubbard.

repmis A collection of miscellaneous tools for reproducible research with R. Author: Christopher Gandrud.

reports Assist in the workflow of writing academic articles and other reports. Author: Tyler Rinker.

restorepoint Debugging with restore points. Author: Sebastian Kranz.

rexpokit R wrappers for EXPOKIT; other matrix functions. Authors: Nicholas J. Matzke [aut, cre, cph], Roger B. Sidje [aut, cph].

rforensicbatwing BATWING for calculating forensic trace-suspect match probabilities. Authors: Mikkel Meyer Andersen and Ian J. Wilson.

ringbuffer Ring buffer (circular buffer) data structure. Author: Allen Day.

rlme Random Effects Nested Models. Authors: Yusuf Bilgic and Herb Susmann.

rmgarch Multivariate GARCH models. Author: Alexios Ghalanos. In view: *Finance*.

rmp Rounded Mixture Package. Performs probability mass function estimation with Dirichlet process mixtures of rounded kernels. Authors: C code by A. Canale and N. Lunardon, port and R code by A. Canale.

rms.gof Root-mean-square goodness-of-fit test for simple null hypothesis. Author: Shubhodeep Mukherji.

robustlmm Robust Linear Mixed Effects Models. Author: Manuel Koller. In view: *Robust*.

roxyPackage Utilities to automate package builds. Author: m.eik michalke.

royston Royston's H Test: Multivariate Normality Test. Author: Selcuk Korkmaz.

rspear Calculate SPEARpesticide in R (`http://www.systemecology.eu/SPEAR/index.php`). Author: Eduard Szoecs.

rtop Interpolation of data with variable spatial support. Author: Jon Olav Skoien.

sae Small Area Estimation. Authors: Isabel Molina, Yolanda Marhuenda.

sanon Stratified Analysis with Nonparametric covariable adjustment. Author: Atsushi Kawaguchi.

schoRsch Tools for analyzing factorial experiments. Authors: Roland Pfister, Markus Janczyk.

scidb An R interface to SciDB. Authors: Paradigm4, B. W. Lewis.

seeg Statistics for Environmental Sciences, Engineering, and Geography. Author: Miguel F. Acevedo.

semPlot Path diagrams and visual analysis of various SEM packages' output. Author: Sacha Epskamp.

semisupKernelPCA Kernel PCA projection, and semi-supervised variant. Author: Pierrick Bruneau.

seqPERM Generates a permutation matrix based upon a sequence. Author: Eric Golinko.

seqminer Efficiently Read Sequencing Data (VCF format, METAL format) into R. Authors: Xiaowei Zhan and Dajiang Liu, with contributions of Jean-loup Gailly and Mark Adler (zlib), Julian Seward (bzip2) and Heng Li (tabix).

sequences Generic and biological sequences. Authors: Laurent Gatto and Robert Stojnic.

severity Mayo's Post-data Severity Evaluation. Author: Nicole Mee-Hyaang Jinn.

sgof Multiple hypotheses testing. Authors: Irene Castro Conde and Jacobo de Una Alvarez.

sgr Sample Generation by Replacement. Author: Massimiliano Pastore & Luigi Lombardi.

shiny Web Application Framework for R. Authors: RStudio, Inc.

shrink Global, Parameterwise, and Joint Shrinkage of Regression Coefficients. Authors: Daniela Dunkler, Georg Heinze.

sidier Substitution and Indel Distances to Infer Evolutionary Relationships. Author: A.J. Munoz-Pajares.

skatMeta Efficient meta analysis for the SKAT test. Authors: Arend Voorman, Jennifer Brody, Thomas Lumley. In view: *MetaAnalysis*.

sltl Time Series Decomposition using Loess and Harmonic Regression. Authors: Hyukjun Gweon and A.I. McLeod.

smdata Data to accompany Smithson & Merkle, 2014. Authors: Ed Merkle and Michael Smithson.

smdc Document Similarity. Author: Masaaki Takada.

smoothHR Smooth Hazard Ratio Curves taking a Reference Value. Authors: Artur Agostinho Araujo and Luis Meira-Machado.

snpEnrichment SNPs enrichment analysis. Authors: Mickael Canouil [aut, cre], Loic Yengo [ctb].

snpStatsWriter Flexible writing of snpStats objects to flat files. Author: Chris Wallace.

softImpute Matrix completion via iterative soft-thresholded SVD. Authors: Trevor Hastie and Rahul Mazumder.

source.gist Read R code from a GitHub Gist. Author: Mason Simon.

spacejam Sparse conditional graph estimation with joint additive models. Author: Arend Voorman.

sparsediscrim Sparse Discriminant Analysis. Author: John A. Ramey.

spate Spatio-temporal modeling of large data using a spectral SPDE approach. Authors: Fabio Sigrist, Hans R. Kuensch, Werner A. Stahel. In view: *SpatioTemporal*.

spatial.tools R functions for working with spatial data. Author: Jonathan Asher Greenberg.

specificity Specificity of personality trait-outcome associations. Authors: Kenn Konstabel, Rene Mottus.

speedRlibTF speedR's table filter library. Author: Ilhami Visne.

sprsmdl Sparse modeling toolkit. Author: Hiroshi Saito.

sqlshare API for access to SQLShare database. Author: Andrew White.

sqlutils Utilities for working with SQL files. Author: Jason Bryer.

stacomirtools stacomi ODBC connection class. Author: Cedric Briand.

statnet.common Common R Scripts and Utilities Used by the Statnet Project Software. Author: Pavel N. Krivitsky [aut, cre].

stochvol Efficient Bayesian Inference for Stochastic Volatility (SV) Models. Author: Gregor Kastner. In views: *Bayesian*, *Finance*, *TimeSeries*.

stream Infrastructure for Data Stream Mining. Authors: Matthew Bolanos, John Forrest, Michael Hahsler.

streamR Access to Twitter Streaming API via R. Author: Pablo Barbera.

stringdist String distance functions for R. Author: Mark van der Loo.

structSSI Multiple Testing for Hypotheses with Hierarchical or Group Structure. Author: Kris Sankaran.

strvalidator Internal validation of forensic STR kits made easy with strvalidator. Author: Oskar Hansson.

subtype Cluster analysis to find molecular subtypes and their assessment. Authors: Andrey Alexeyenko, Woojoo Lee and Yudi Pawitan.

superbiclust Generating Robust Biclusters from a Bicluster Set (Ensemble Biclustering). Author: Tatsiana Khamiakova.

support.BWS Basic functions for supporting an implementation of best-worst scaling. Author: Hideo Aizaki.

surface Fitting Hansen Models to Investigate Convergent Evolution. Author: Travis Ingram.

survMisc Miscellaneous functions for survival data. Author: Chris Dardis.

survexp.fr Relative survival, AER and SMR based on French death rates. Authors: Jean-Philippe Jais and Hugo Varet. In view: *Survival*.

surveydata Tools to manipulate survey data. Author: Andrie de Vries.

svDialogstcltk SciViews GUI API — Dialog boxes using Tcl/Tk. Author: Philippe Grosjean.

tagcloud Tag Clouds. Author: January Weiner.

taxize Taxonomic information from around the web. Authors: Scott Chamberlain [aut, cre], Eduard Szoecs [aut], Carl Boettiger [aut], Ignasi Bartomeus [aut].

tergm Fit, Simulate and Diagnose Models for Network Evoluation based on Exponential-Family Random Graph Models. Authors: Pavel N. Krivitsky [aut, cre], Mark S. Handcock [aut, ths], David R. Hunter [ctb], Steven M. Goodreau [ctb, ths], Martina Morris [ctb, ths], Nicole Bohme Carnegie [ctb], Carter T. Butts [ctb], Ayn Leslie-Cook [ctb].

threg Threshold Regression. Author: Tao Xiao.

timeit Easy profiling of R functions. Author: Kevin Ushey.

timeline Timelines for a Grammar of Graphics. Author: Jason Bryer.

tipom Automated measure-based classification for lithic tools. Authors: Stefano Costa [aut, cre], Luca Bianconi [aut], Elisabetta Starnini [ctb].

tm.plugin.webmining Retrieve structured, textual data from various web sources. Author: Mario Annau [aut, cre].

trioGxE A data smoothing approach to explore and test gene-environment interaction in case-parent trio data. Authors: Ji-Hyung Shin, Brad McNeney, Jinko Graham.

trueskill Implementation the TrueSkill algorithm in R. Author: Brendan Houng.

tsbugs Create time series BUGS models. Author: Guy J. Abel. In view: *TimeSeries*.

tspmeta Instance feature calculation and evolutionary instance generation for the traveling salesman problem. Authors: Bernd Bischl, Jakob Bossek, Olaf Mersmann.

tth TeX to HTML/MathML Translators tth/ttm. Authors: Ian H. Hutchinson [aut] (author of tth/ttm C sources), Friedrich Leisch [aut, cre] (author of R wrappers to tth/ttm), Achim Zeileis [aut] (author of R wrappers to tth/ttm).

twostageTE Two-Stage Threshold Estimation. Authors: Shawn Mankad, George Michailidis, Moulinath Banerjee.

usl Analyze system scalability with the Universal Scalability Law. Authors: Neil J. Gunther [aut], Stefan Moeding [aut, cre].

visualize Graph Probability Distributions with User Supplied Parameters and Stats. Author: James Balamuta.

vitality vitality: Fitting routines for the Vitality family of mortality models. Authors: Gregor Passolt, James J. Anderson, Ting Li, David H. Salinger.

wethepeople An R client for interacting with the White House's "We The People" petition API. Author: Yoni Ben-Meshulam.

witness Fits eyewitness data using Clark's (2003) WITNESS model. Author: Dustin Fife.

wpp2008 World Population Prospects 2008. Authors: Hana Sevcikova, Patrick Gerland.

wpp2010 World Population Prospects 2010. Authors: Hana Sevcikova, Patrick Gerland.

xkcd Plotting ggplot2 graphics in a XKCD style. Author: Emilio Torres Manzanera.

yhatr R binder for the Yhat API. Author: Greg Lamp.

zooimage Analysis of numerical zooplankton images. Authors: Ph. Grosjean, K. Denis & R. Francois.

Other changes

- The following packages were moved to the Archive: **AGSDest, AMA, BADER, BAMD, BAYSTAR, BPHO, BootPR, CADStat, CAVIAR, CarbonEL, CompModSA, ExPD2D, GAMens, GDD, ImageMetrics, LDdiag, LN3GV, MAMSE, MISA, MMS, MSToolkit, McSpatial, Metabonomic, MethComp, MixMod, NADA, NMMAP-Slite, NeMo, PHYLOGR, PSCN, PrecipStat, QTLNetworkR, R4dfp, RDF, RMediation, RTAQ, RandForestGUI, Rchemcpp, Rclusterpp, RcmdrPlugin.Export, RcmdrPlugin.FactoMineR, RcmdrPlugin.MAc, RcmdrPlugin.MAd, RcmdrPlugin.PT, RcmdrPlugin.TextMining, RcmdrPlugin.depthTools, RcmdrPlugin.pointG, RcmdrPlugin.sos, RcmdrPlugin.steepness, ReadImages, Rigroup, Rlof, RpgSQL, Rsge, Sim.DiffProc, Sim.DiffProcGUI, Simile, SpectralGEM, StatFingerprints, TSpadi, TreePar, VBMA4hmm, WMBrukerParser, XLConnectJars, YourCast, anchors, aratio, ares, assist, bayespack, betfairly, bise, biseVec, boolean, bujar, cMonkey, calibFit, canvas, caspar, ccems, cems, clim.pact, cloudRmpi, cloudRmpiJars, cmprskContin, cond, csampling, cyclones, dataframe, delftfews, delt, denpro, diff, digeR, dynGraph, dynamo, emu, emudata, epsi, esd4all, fairselect, fdim, filterviewR, finebalance, fractal, gcolor, gearman, genomatic, graphComp, hdf5, helpr, highlight, iDEMO, iGenomicViewer, iid.test, integrativeME, kBestShortestPaths, laser, lazy, lmeSplines, marg, maxLinear, mcpd, medAdherence, mht, mixer, mmeta, mnspc, motmot, mpc, mprobit, mspath, nFDR, nlreg, nltm, nlts, npst, odesolve, paloma, pamctdp, parser, pcurve, pfda, phitest, phull, pmc, polydect, predbayescor, proptest, qqplotter, rPorta, rconifers, realized, replicationDemos, ritis, rpartOrdinal, rqmcmb2, rreval, rv, rvmbinary, s3x, sampfling, sculpt3d, sentiment, simone, sound, speedR, speedRlibTF, splinesurv, sspline, steepness, sudokuplus, surv2sample, tabplotGTK, taskPR, tsModel, two.stage.boot, unknownR, xlsReadWrite**

- The following packages were resurrected from the Archive: ArDec, Bhat, Biograph, CONOR, DCluster, EMT, ForImp, GWAtoolbox, MFDA, NMF, PairedData, SpatialEpi, bdoc, brainwaver, bspec, bwsurvival, covRobust, crawl, crossdes, cwhmisc, cyphid, formula.tools, fptdApprox, fso, hsmm, iteRates, labeltodendro, maticce, networksis, nricens, onemap, operator.tools, optpart, orderbook, partitionMap, pass, seas, snowfall, support.BWS, surveillance, tipom, trueskill, truncgof

- The following packages had to be removed: **RExcelInstaller, RthroughExcelWorkbooksInstaller, SWordInstaller, auteur, rcom, wvioplot**

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