

- `detach()` on “package:base” would crash R. (PR#1271)
- `print` or `summary` on a `manova()` object with no terms, no names on the response and ‘`intercept = FALSE`’ (which is not sensible) would give an error.
- `seek()` on file connections was ignoring the ‘`origin`’ argument.

- Fixed new environment handling in `library()` to avoid forcing promises created by `delay()`.
- `arima0()` could leak memory: now released via `on.exit()`.
- `qr.coef(qr,*)` now keeps the names of `qr$qr`.
- `read.00Index()` no longer fails on data indexes not generated by `Rdindex` (PR#1274).

Changes on CRAN

by Kurt Hornik and Friedrich Leisch

CRAN packages

The following extension packages from ‘`src/contrib`’ were added since the last newsletter.

Bhat Functions for MLE, MCMC, CIs (originally in Fortran). By E. Georg Luebeck.

CircStats Circular Statistics, from ‘Topics in circular Statistics’ by S. Rao Jammalamadaka and A. SenGupta, World Scientific (2001). S original by Ulric Lund, R port by Claudio Agostinelli.

ROracle Oracle Database Interface driver for R. Uses the ProC/C++ embedded SQL. By David A. James and Jake Luciani.

RQuantLib The RQuantLib packages provides access to (some) of the QuantLib functions from within R. It is currently limited to some Option pricing and analysis functions. The QuantLib project aims to provide a comprehensive software framework for quantitative finance. The goal is to provide a standard free/open source library to quantitative analysts and developers for modeling, trading, and risk management of financial assets. By Dirk Eddelbuettel for the R interface, and the QuantLib group for QuantLib (<http://www.quantlib.org/html/group.html>).

RSQLite Database Interface R driver for SQLite. Embeds the SQLite database engine in R. By David A. James.

RadioSonde RadioSonde is a collection of programs for reading and plotting SKEW-T, log p diagrams and wind profiles for data collected by radiosondes (the typical weather balloon-borne instrument). By Tim Hoar, Eric Gilleland, and Doug Nychka.

agce Contains some simple functions for the analysis of growth curve experiments. By Raphael Gottardo.

aws Contains R functions to perform the adaptive weights smoothing (AWS) procedure described in Polzehl und Spokoiny (2000), Adaptive weights smoothing with applications to image restoration, *Journal of the Royal Statistical Society, Ser. B*, 62, 2, 335–354. By Joerg Polzehl.

combinat Routines for combinatorics. By Scott Chasalow.

deldir Calculates the Delaunay triangulation and the Dirichlet or Voronoi tessellation (with respect to the entire plane) of a planar point set. By Rolf Turner.

dr Functions, methods, and datasets for fitting dimension reduction regression, including pHD and inverse regression methods SIR and SAVE. These methods are described, for example, in R. D. Cook (1998), *Regression Graphics*, Wiley, New York. Also included is code for computing permutation tests of dimension. By Sanford Weisberg.

emplik empirical likelihood ratio for means, quantiles, and hazards from possibly right censored data. By Mai Zhou and Art Owen.

evd Extends simulation, distribution, quantile and density functions to univariate, bivariate and (for simulation) multivariate parametric extreme value distributions, and provides fitting functions which calculate maximum likelihood estimates for univariate and bivariate models. By Alec Stephenson.

g.data Create and maintain delayed-data packages (DDP’s). Data stored in a DDP are available on demand, but do not take up memory until requested. You attach a DDP with `g.data.attach()`, then read from it and assign to it in a manner similar to S-Plus, except that you must run `g.data.save()` to actually commit to disk. By David Brahm.

- geoRglm** Functions for inference in generalised linear spatial models. By Ole F. Christensen and Paulo J. Ribeiro Jr.
- grid** A rewrite of the graphics layout capabilities, plus some support for interaction. By Paul Murrell.
- hdf5** Interface to the NCSA HDF5 library. By Marcus G. Daniels.
- ifs** Iterated Function Systems distribution function estimator. By S. M. Iacus.
- lasso2** Routines and documentation for solving regression problems while imposing an L1 constraint on the estimates, based on the algorithm of Osborne et al. (1998). By Justin Lokhorst, Bill Venables and Berwin Turlach; first port to R by Martin Maechler.
- lattice** Implementation of Trellis Graphics. By Deepayan Sarkar.
- noc** Fits a variety of mixtures models for multivariate observations with user-defined distributions and curves. By Bernard Boulerice.
- pastecs** Regulation, decomposition and analysis of space-time series. By Frederic Ibanez, Philippe Grosjean & Michele Etienne.
- pear** Package for estimating periodic autoregressive models. Also includes methods for plotting periodic time series data. S original by A. I. McLeod, R port by Mehmet Balcilar.
- qtl** Analysis of experimental crosses to identify genes (called quantitative trait loci, QTLs) contributing to variation in quantitative traits.

By Karl W Broman, with ideas from Gary Churchill and Saunak Sen and contributions from Hao Wu.

spatstat Data analysis and modelling of two-dimensional point patterns, including multi-type points and spatial covariates. By Adrian Baddeley and Rolf Turner.

spsarlm Functions for estimating spatial simultaneous autoregressive (SAR) models. By Roger Bivand.

New country mirrors

We now also have CRAN country mirrors in Brazil (thanks to Paulo Justiniano Ribeiro Jr p.ribeiro@lancaster.ac.uk) and in Germany.

New submission email

The email address for submissions to CRAN now is cran@r-project.org (the old address no longer works). Uploads still go to <ftp://cran.r-project.org/incoming/>.

Kurt Hornik
Wirtschaftsuniversität Wien, Austria
Technische Universität Wien, Austria
Kurt.Hornik@R-project.org

Friedrich Leisch
Technische Universität Wien, Austria
Friedrich.Leisch@ci.tuwien.ac.at

Editors:

Kurt Hornik & Friedrich Leisch
Institut für Statistik und Wahrscheinlichkeitstheorie
Technische Universität Wien
Wiedner Hauptstraße 8-10/1071
A-1040 Wien, Austria

Editor Programmer's Niche:

Bill Venables

Editorial Board:

Douglas Bates, John Chambers, Peter Dalggaard, Robert Gentleman, Stefano Iacus, Ross Ihaka, Thomas Lumley, Martin Maechler, Guido Masarotto, Paul Murrell, Brian Ripley, Duncan Temple Lang and Luke Tierney.

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R Project Homepage:

<http://www.R-project.org/>

Email of editors and editorial board:

firstname.lastname@r-project.org

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