haplo.score A suite of routines that can be used to compute score statistics to test associations between haplotypes and a wide variety of traits, including binary, ordinal, quantitative, and Poisson. These methods assume that all subjects are unrelated and that haplotypes are ambiguous (due to unknown linkage phase of the genetic markers). The methods provide several different global and haplotype-specific tests for association, as well as provide adjustment for non-genetic covariates and computation of simulation p-values (which may be needed for sparse data). By Charles M. Rowland, David E. Tines, and Daniel J. Schaid. R version translation by Gregory R. Warnes.

mclust1998 Model-based cluster analysis: the 1998 version of MCLUST. By C. Fraley and A. E. Raftery, Dept. of Statistics, University of Washington. R port by Ron Wehrens.

msm Functions for fitting continuous-time Markov multi-state models to categorical processes observed at arbitrary times, optionally with misclassified responses, and covariates on transition or misclassification rates. By Christopher H. Jackson.

multcomp Multiple comparison procedures for the one-way layout. By Frank Bretz, Torsten Hothorn and Peter Westfall.

normix Onedimensional Normal Mixture Models Classes, for, e.g., density estimation or clustering algorithms research and teaching; providing the widely used Marron-Wand densities. By Martin Mächler.

qvcalc Functions to compute quasi-variances and associated measures of approximation error. By David Firth.

relimp Functions to facilitate inference on the relative importance of predictors in a linear or generalized linear model. By David Firth.

rgenoud A genetic algorithm plus derivative optimizer. By Walter R. Mebane, Jr., and Jasjeet Singh Sekhon.

sound Basic functions for dealing with '.wav' files and sound samples. By Matthias Heymann.

survrec Estimation of survival function for recurrent event data using Peña-Strawderman-Hollander, Whang-Chang estimators and MLE estimation under a Gamma Frailty model. Fortran 77 original by Edsel A Peña and Robert L Strawderman. Added Fortran routines, R code and packaging by Juan R González.

CRAN mirrors the R packages from the Omegahat project in directory 'src/contrib/Omegahat'. The following are recent additions:

RGtkBindingGenerator A meta-package which generates C and R code to provide bindings to a Gtk-based library. By Duncan Temple Lang.

RXLisp An interface to call XLisp-Stat functions from within R, inspired by Forrest Young's remarks about dynamic graphics, XLisp-Stat and R on R-devel. By Duncan Temple Lang.

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New Publications

The manual "An Introduction to R" by W. N. Venables, D. M. Smith and the R Development Core Team has now been published as a printed book (ISBN 0-9541617-4-2). It is available worldwide through the major online bookstores and wholesalers, at a retail price of $19.95 (£12.95 in UK). Further details are available at the publisher's website www.network-theory.co.uk.