An Overview of Functions functions in the 'util' package to: read.table() • read in data from ASCII file given the required data (e.g., means, SDs, and read.csv() in the metafor Package see also 'foreign' package for group sizes; counts for 2x2 tables; correlations read.delim() reading in other data formats and sample sizes), calculate the desired effect last updated: April 23 2017 size or outcome measure for the meta-analysis (not all functions documented) (e.g., raw or standardized mean differences, log odds ratios, log risk ratios, risk differences, r-to-z transformed correlations, ...) • rma.uni() = fixed- and random/mixed-effects models rma.uni() ("inverse-variance" method; normal-normal models) rma.mh() rma.mh() = Mantel-Haenszel method (fixed-effects model) escalc() • rma.peto() = Peto's method (fixed-effects model) rma.peto() vi = observed outcomes or rma.glmm() = fixed- and random/mixed-effects models rma.glmm() effect size estimates (binomial-normal and Poisson-normal models) rma.mv() • vi = corresponding sampling rma.mv() = fixed- and random/mixed-effects variances multivariate/multilevel models (normal-normal models) note: rma.uni() takes either 'yi' and 'vi' as input or one can supply the required data print() to calculate the desired effect size or outcome measure for the meta-analysis summary() directly; rma.mh(), rma.peto(), and funnel plot asymmetry (publication bias) rma.glmm() require that the raw counts are supplied; rma.mv() takes 'yi' and 'V' as input (V is the variance-covariance matrix of the sampling errors) forest() residuals() logLik() print() fitted() confint() ranktest() rstandard() funnel() deviance() summary() predict() regtest() anova() labbe() rstudent() fitstats() blup() trimfill() permutest() radial() AIC(), BIC() hatvalues() ranef() hc() robust() weights() qqnorm() coef() cumul() influence() baujat() vcov() leave1out() gosh() plot() note: class of fitted model note: blup() only for note: all functions note: regtest() not for note: confint() not for note: forest() can also note: coef() also for 'rma.uni' objects; ranef() implemented for 'rma.glmm' or 'rma.mv' 'rma.glmm' objects; take 'yi' and 'vi' directly 'permutest.rma.uni' and object is the same as the only for 'rma.uni' and function name; so print() 'rma.uni' objects; objects; trimfill() and hc() anova() and robust() only as input; qqnorm(), 'summary.rma' objects for an object of class 'rma.mv' objects; coverage of functions for only for 'rma.uni' objects for 'rma.uni' and 'rma.mv' baujat(), gosh() and 'rma.uni' actually calls cumul() not for 'rma.mv' other objects is more objects; permutest() only plot() not for 'rma.glmm' print.rma.uni() and so on or 'rma.glmm' objects limited (see docs) for 'rma.uni' objects or 'rma.mv' objects