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: Nov 14 2020 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() rma.peto() = Peto's method (fixed-effects model) • yi = 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 'vi' 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() funnel plot asymmetry / publication bias directly; rma.mh(), rma.peto(), and aggregate() 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() logLik() ranktest() print() fitted() residuals() confint() rstandard() regtest() funnel() deviance() summary() predict() anova() rstudent() trimfill() labbe() fitstats() blup() permutest() radial() hc() AIC(), BIC() hatvalues() ranef() robust() tes() weights() qqnorm() coef() cumul() vif() influence() selmodel() baujat() vcov() leave1out() gosh() plot() note: class of fitted model note: blup() only for note: all functions note: confint() not for note: forest() and note: coef() also for note: regtest() not for object is the same as the 'rma.uni' objects; ranef() implemented for 'rma.glmm' or 'rma.mv' 'rma.glmm' objects; funnel() also take 'yi' and 'permutest.rma.uni' and function name; so print() only for 'rma.uni' and 'rma.uni' objects; objects; trimfill(), hc(), anova() and robust() only 'vi' as input; qqnorm(), 'summary.rma' objects for an object of class 'rma.mv' objects; coverage of functions for tes(), selmodel() only for for 'rma.uni' and 'rma.mv' baujat(), gosh() and 'rma.uni' actually calls cumul() not for 'rma.mv' other objects varies 'rma.uni' objects objects; permutest() only plot() not for 'rma.glmm' print.rma.uni() and so on or 'rma.glmm' objects for 'rma.uni' objects or 'rma.mv' objects (see docs)