Exclusion Chart

Computational Step MetaPipeX Function Computations **Exclusions** 1 variables, participants & replications Variable Selection, as preregistered Data Cleaning participants & replications as preregistered; 2 computationally dysfunctional cases Aggregate Dependent Variable (e.g., rowSums(, na.rm = TRUE)) Effect Size Statistics Standard Error SE_of_mean_fct() mean() 3 sd() SE_SD_fct() DV = NA;create_replication_summaries Aggregate to Replication, Group = NA metafor::escalc(measure = "MD",...)\$vi metafor::escalc(measure = "MD")\$yi Compute Effect Sizes pooled_SD_fct() SE_pooled_SD_fct() metafor::escalc(measure = "MD")\$yi metafor::escalc(measure = "SMD",...)\$vi merge_replication_summaries none Combine into single Data Set full_pipeline Tranform to original Units Log Transformation (SD) Model_Est: 5 Meta Analyses replications including at least exp(Het_T_SD\$b + 0.5 * Het_T_SD\$sigma2) meta_analyses In_SD_fun() one group with n = 1 (-> missing SD) Run Meta-Analyses metafor::rma.mv(random = ~ 1 | Replication,...) SE_InSD_fun() Tau2: exp(Replication.df["Est__T_SD"]^2 * (base::exp(Het_T_SD\$sigma2)-1 6 none Combine Replication- & Meta-Level Data