[1] "Loading the list of 10 model-ready datasets..."

[1] "Correcting data types for grouping variables..."

[1] "Data types corrected successfully."

[1] "Fitting the three-level null model using glmer..."

Warning in eval(family$initialize, rho) :

non-integer #successes in a binomial glm!

boundary (singular) fit: see help('isSingular')

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Warning in eval(family$initialize, rho) :

non-integer #successes in a binomial glm!

Warning in checkConv(attr(opt, "derivs"), opt$par, ctrl = control$checkConv, :

Model failed to converge with max|grad| = 6.09723 (tol = 0.002, component 1)

Warning in eval(family$initialize, rho) :

non-integer #successes in a binomial glm!

boundary (singular) fit: see help('isSingular')

Warning in eval(family$initialize, rho) :

non-integer #successes in a binomial glm!

Warning in checkConv(attr(opt, "derivs"), opt$par, ctrl = control$checkConv, :

Model failed to converge with max|grad| = 4.22928 (tol = 0.002, component 1)

Warning in checkConv(attr(opt, "derivs"), opt$par, ctrl = control$checkConv, :

Model is nearly unidentifiable: very large eigenvalue

- Rescale variables?

Warning in eval(family$initialize, rho) :

non-integer #successes in a binomial glm!

boundary (singular) fit: see help('isSingular')

Warning in eval(family$initialize, rho) :

non-integer #successes in a binomial glm!

boundary (singular) fit: see help('isSingular')

[1] "All 10 null models fitted successfully."

[1] "Pooling variance components from glmer models..."

[1] "--------------------------------------------------"

[1] "--- Intraclass Correlation Coefficient (ICC) ---"

[1] "--- (from Logistic Multilevel Model) ---"

[1] "Country-Level Variance: 0"

[1] "School-Level Variance: 22.3162"

[1] "Student-Level Variance (fixed): 3.2899"

[1] "---"

[1] "Country-Level ICC: 0"

[1] "Total School-Level ICC (Country + School): 0.8715"

[1] "--------------------------------------------------"

[1] "RESULT: The ICC is greater than 0.05, which provides strong justification for using a multilevel model."