

Appendix

Torfinn and Carolina

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1 Introduction

We created an appendix of meta-analysis paper. To be able to visualize the output, we used an example dataset taken from Gibson et al. 2011.

The dataset to be working with should be named “data.sub”. The conducted analysis using the function `rma` from the `metafor` package should be renamed as such: `rma` of a random effects model should be named “`rma.RE`” and an `rma` of a fixed effects model should be named “`rma.FE`” in order for the automatisisation to work. If a meta-regression has been conducted, it should be called “`rma.RE.meta`” or “`rma.FE.meta`” respectively. Other than that, the `metafor` package in R needs to be installed.

To assess possible publication bias, funnel plots can be used for visualization purposes.

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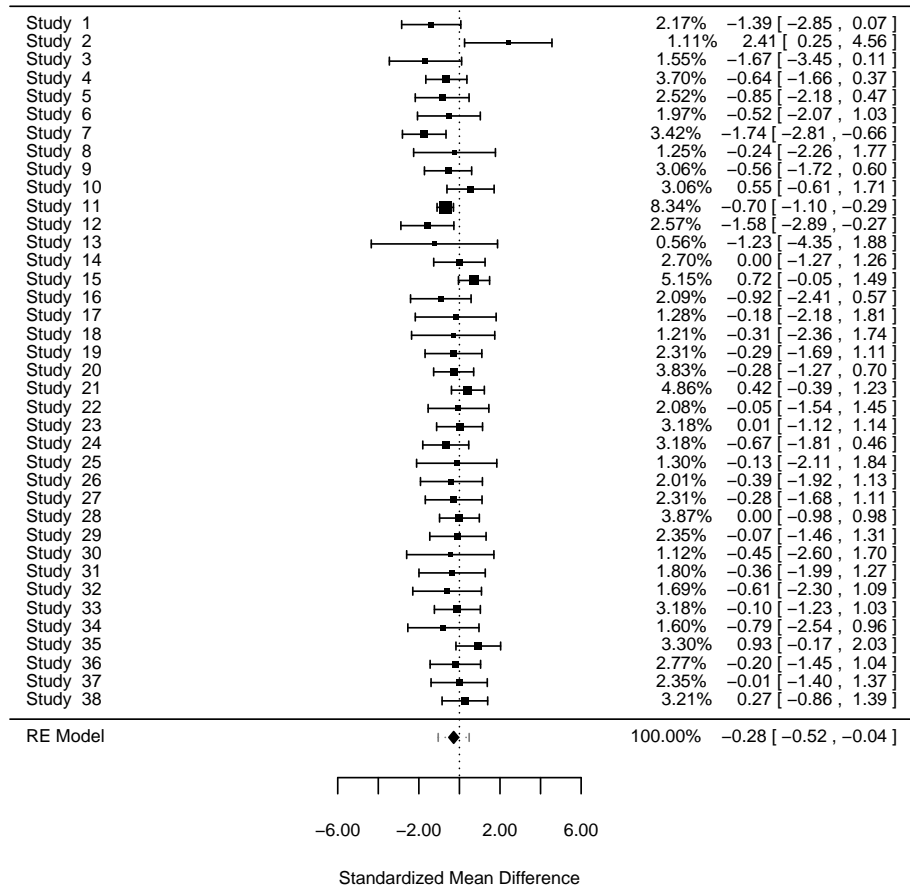


Figure 1: Forest plot of a random effects model. The column on the left represents the study. The weighted percentage is shown as well as the effect size (ES) [\pm 95% CI]

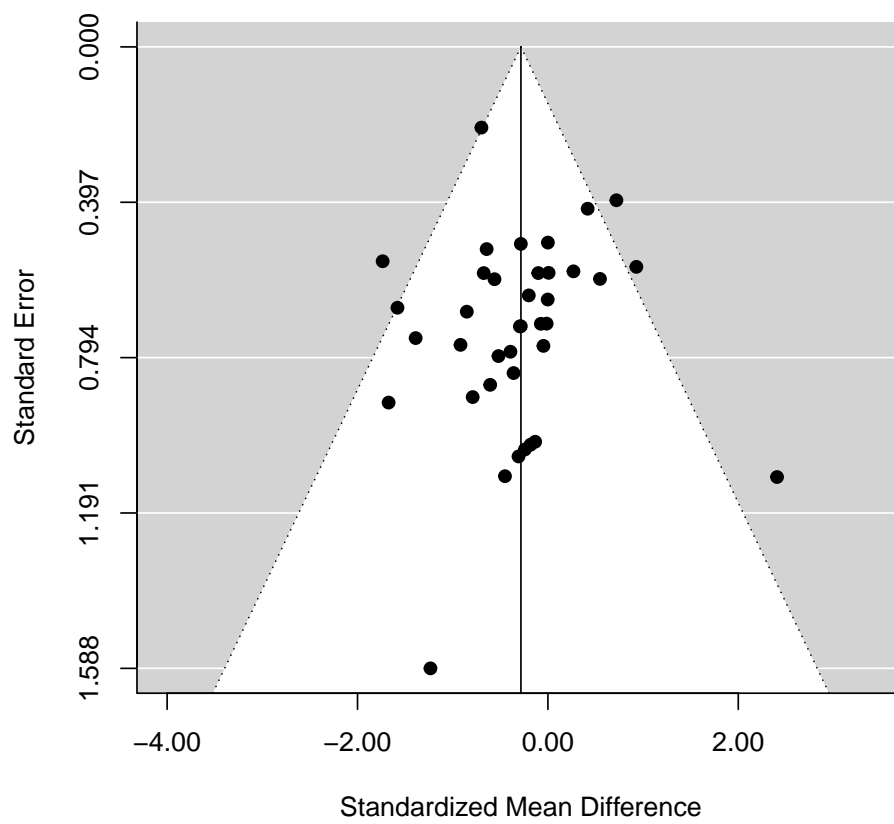


Figure 2: Funnel plot of random effects model displaying possible publication bias. The true ES is displayed by the solid vertical line.

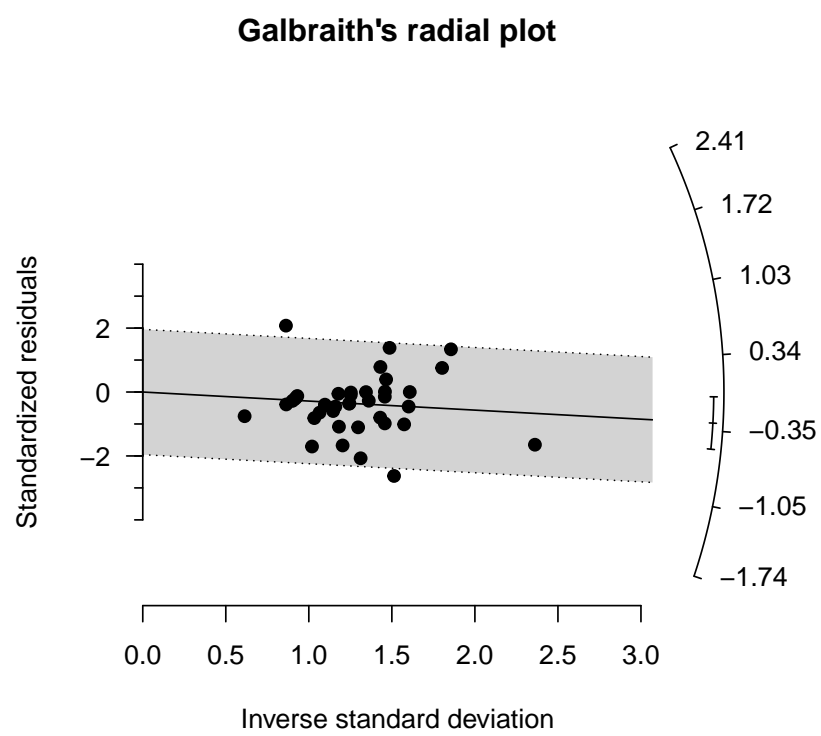


Figure 4: Galbraith's radial plot for diagnostics of meta analysis

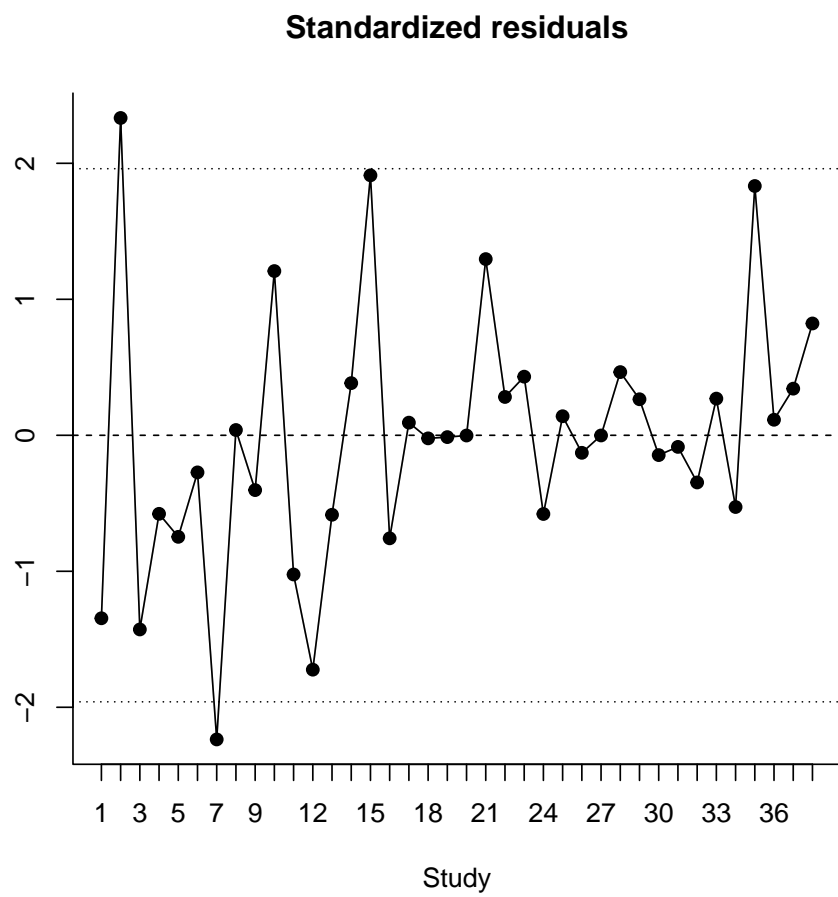


Figure 5: Standardized residuals plot for diagnostics of meta analysis

