

# Codebook for the Complete Effects Data

Autogenerated data summary from dataReporter

2023-08-15 09:34:16.604741

## Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	451
Number of variables	32

## Variable list

### author\_year

*First author and publication year of meta-analysis.*

Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	134
Mode	"Oh, 2022"

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### outcome\_category

*Category the outcome belongs to.*

Feature	Result
Variable type	character
Number of missing obs.	1 (0.22 %)
Number of unique values	4
Mode	"education"

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### plain\_language\_outcome

*Specific outcome for the effect.*

Feature	Result
Variable type	character

Feature	Result
Number of missing obs.	0 (0 %)
Number of unique values	140
Mode	"Learning: General"

## plain\_language\_exposure

*Specific exposure for the effect.*

Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	92
Mode	"Screen use: General"

## age\_group

*Broad age group of the participants, if specified.*

Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	4
Mode	"Mixed"

## original\_effect\_size\_metric

*Type of effect size `original_effect_size` refers to.*

Feature	Result
Variable type	character
Number of missing obs.	6 (1.33 %)
Number of unique values	7
Mode	"d"

## original\_effect\_size

*Effect size reported in the original meta-analysis.*

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)

Feature	Result
Number of unique values	285
Median	0.22
1st and 3rd quartiles	0.01; 0.68
Min. and max.	-788.59; 1185

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### original\_cilb

*Lower bound for the 95% confidence interval of the reported effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	19 (4.21 %)
Number of unique values	265
Median	0.05
1st and 3rd quartiles	-0.15; 0.35
Min. and max.	-2146.87; 303

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### original\_ciub

*Upper bound for the 95% confidence interval of the reported effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	19 (4.21 %)
Number of unique values	289
Median	0.44
1st and 3rd quartiles	0.12; 1.2
Min. and max.	-5.68; 2068

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### original\_k

*Number of studies reported as contributing to the reported effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	14 (3.1 %)
Number of unique values	52
Median	7
1st and 3rd quartiles	4; 12
Min. and max.	1; 274

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## original\_n

*Number of participants reported as contributing to the reported effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	422
Median	1836
1st and 3rd quartiles	639.5; 7389
Min. and max.	3; 527696

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## original\_i2

*Reported heterogeneity (as I-Squared) for the reported effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	157 (34.81 %)
Number of unique values	198
Median	67.28
1st and 3rd quartiles	24.1; 82.85
Min. and max.	0; 99.8

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## converted\_r

*Effect size as converted to Pearson's  $r$  (where possible).*

Feature	Result
Variable type	numeric
Number of missing obs.	199 (44.12 %)
Number of unique values	177
Median	0.1
1st and 3rd quartiles	-0.02; 0.2
Min. and max.	-0.26; 0.82

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## converted\_cilb

*Lower bound for the 95% confidence interval of the converted effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	208 (46.12 %)
Number of unique values	179
Median	0.02
1st and 3rd quartiles	-0.11; 0.09

Feature	Result
Min. and max.	-0.54; 0.76

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## converted\_ciub

*Upper bound for the 95% confidence interval of the converted effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	208 (46.12 %)
Number of unique values	193
Median	0.19
1st and 3rd quartiles	0.06; 0.3
Min. and max.	-0.2; 0.87

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## reanalysis\_estimate

*Effect size from the reanalysis of the study-level data (where possible).*

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	244
Median	0.08
1st and 3rd quartiles	-0.04; 0.18
Min. and max.	-0.47; 0.61

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## reanalysis\_cilb

*Lower bound for the 95% confidence interval of the reanalysed effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	244
Median	-0.01
1st and 3rd quartiles	-0.16; 0.06
Min. and max.	-0.67; 0.45

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## reanalysis\_ciub

Upper bound for the 95% confidence interval of the reanalysed effect size.

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	244
Median	0.16
1st and 3rd quartiles	0.05; 0.29
Min. and max.	-0.35; 0.79

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## reanalysis\_cilb999

Lower bound for the 99.9% confidence interval of the reanalysed effect size.

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	244
Median	-0.1
1st and 3rd quartiles	-0.22; 0.01
Min. and max.	-1; 0.35

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## reanalysis\_ciub999

Upper bound for the 99.9% confidence interval of the reanalysed effect size.

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	244
Median	0.22
1st and 3rd quartiles	0.1; 0.39
Min. and max.	-0.27; 1

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## reanalysis\_k

Number of studies contributing to the reanalysed effect size.

Feature	Result
Variable type	integer
Number of missing obs.	204 (45.23 %)
Number of unique values	48
Median	7
1st and 3rd quartiles	4; 12.5

Feature	Result
Min. and max.	1; 122

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## reanalysis\_n

*Number of participants contributing to the reanalysed effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	234
Median	1836
1st and 3rd quartiles	687.5; 5611.5
Min. and max.	26; 527696

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## reanalysis\_i2

*Heterogeneity (as I-Squared) for the reanalysed effect size.*

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	199
Median	73.94
1st and 3rd quartiles	26.23; 88.62
Min. and max.	0; 99.51

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## reanalysis\_eggers\_p

*P-value for the Egger's test for publication bias.*

Feature	Result
Variable type	numeric
Number of missing obs.	365 (80.93 %)
Number of unique values	86
Median	0.22
1st and 3rd quartiles	0.03; 0.51
Min. and max.	0; 0.98

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## reanalysis\_eggers\_cilb

*Lower bound for the 95% confidence interval for the Egger's test for publication bias.*

Feature	Result
Variable type	numeric
Number of missing obs.	365 (80.93 %)
Number of unique values	86
Median	-0.05
1st and 3rd quartiles	-0.19; 0.1
Min. and max.	-2.05; 0.65

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## reanalysis\_eggers\_ciub

*Upper bound for the 95% confidence interval for the Egger's test for publication bias.*

Feature	Result
Variable type	numeric
Number of missing obs.	365 (80.93 %)
Number of unique values	86
Median	0.29
1st and 3rd quartiles	0.1; 0.65
Min. and max.	-0.96; 1.56

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## reanalysis\_tes\_obser

*Number of observed significant tests (from Test of Excess Significance).*

Feature	Result
Variable type	integer
Number of missing obs.	204 (45.23 %)
Number of unique values	32
Median	3
1st and 3rd quartiles	1; 6
Min. and max.	0; 110

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## reanalysis\_tes\_expect

*Number of expected significant tests (from Test of Excess Significance).*

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	244
Median	3.21
1st and 3rd quartiles	1.62; 6.67



Feature	Result
Min. and max.	0.05; 108.26

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### reanalysis\_tes\_ratio

*Ratio of observed to expected significant tests (from Test of Excess Significance).*

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	219
Median	0.91
1st and 3rd quartiles	0.57; 1.09
Min. and max.	0; 2.9

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### reanalysis\_tes\_p

*P-value for the Test of Excess Significance.*

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	222
Median	0.8
1st and 3rd quartiles	0.58; 0.95
Min. and max.	0.01; 1

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### reanalysis\_tes\_power

*Power for each of the tests (from the Test of Excess Significance).*

Feature	Result
Variable type	character
Number of missing obs.	204 (45.23 %)
Number of unique values	244
Mode	"0.793; 0.52; 0.463"

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### reanalysis\_tes\_theta

*Value of theta used to compute the tests (from the Test of Excess Significance).*

Feature	Result
Variable type	numeric
Number of missing obs.	204 (45.23 %)
Number of unique values	244
Median	0.08
1st and 3rd quartiles	-0.04; 0.18
Min. and max.	-0.47; 0.61

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Report generation information:

- Created by: Taren Sanders (username: taren).
- Report creation time: Tue Aug 15 2023 09:34:16
- Report was run from directory: /home/taren/GitHub/screen\_umbrella
- dataReporter v1.0.2 [Pkg: 2021-11-11 from CRAN (R 4.3.0)]
- R version 4.3.0 (2023-04-21).
- Platform: x86\_64-pc-linux-gnu (64-bit)(Australia/Sydney).
- Function call: `dataReporter::makeDataReport(data = out_effects, output = "pdf", mode = "summarize", smartNum = FALSE, file = "supplementary_files/codebook.Rmd", replace = TRUE, openResult = FALSE, checks = list(character = "showAllFactorLevels", factor = "showAllFactorLevels", labelled = "showAllFactorLevels", haven_labelled = "showAllFactorLevels", numeric = NULL, integer = NULL, logical = NULL, Date = NULL), listChecks = FALSE, maxProbVals = Inf, addSummaryTable = FALSE, codebook = TRUE, reportTitle = "Codebook for the Complete Effects Data")`