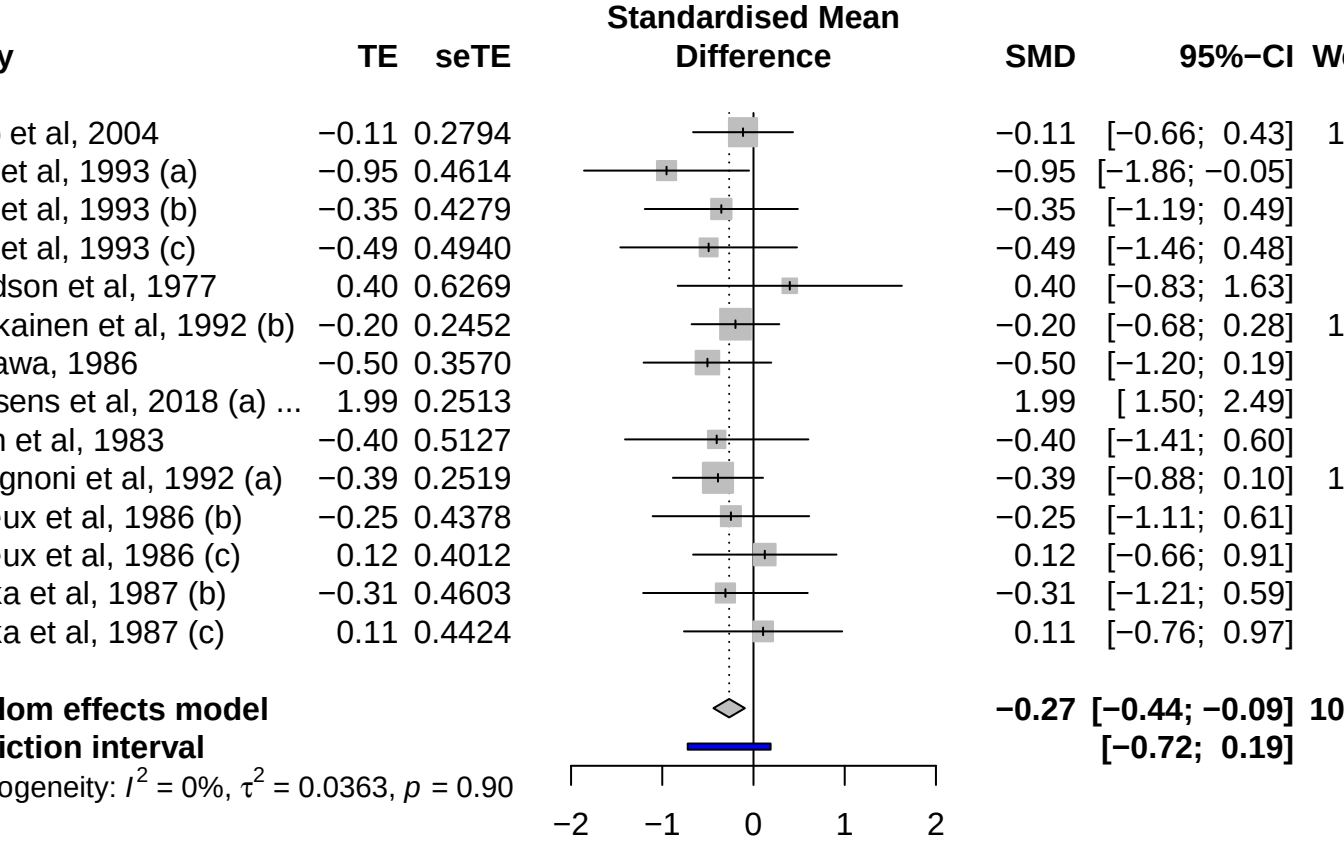
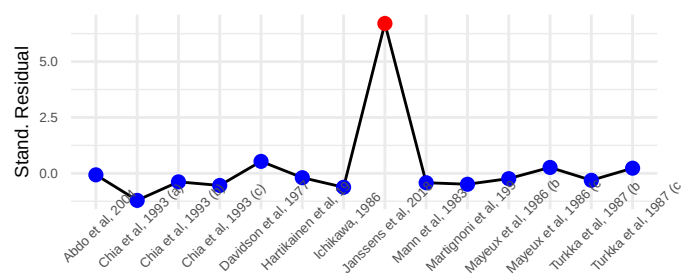
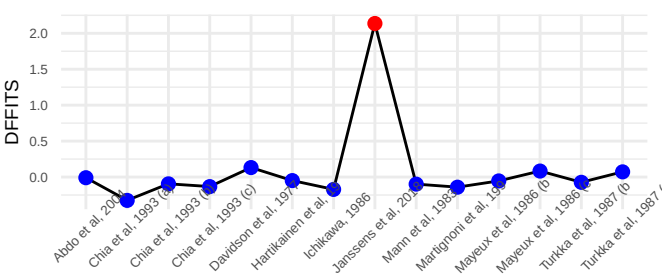
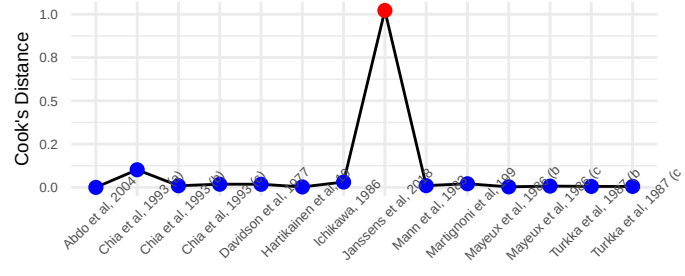
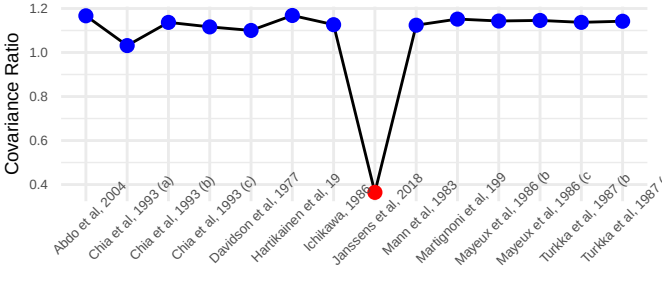
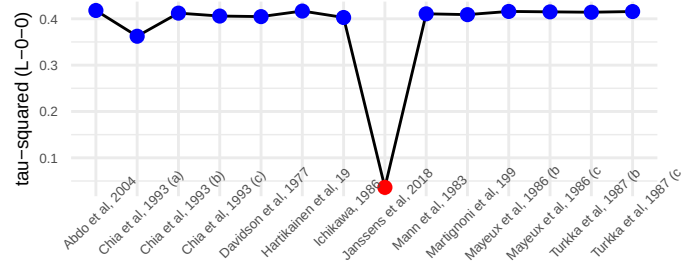

y
TE
seTE
Standardised Mean Difference
SMD
95%−CI
W
et al, 2004 −0.11 0.2794 −0.11 [−0.66; 0.43] 1
et al, 1993 (a) −0.95 0.4614 −0.95 [−1.86; −0.05]
et al, 1993 (b) −0.35 0.4279 −0.35 [−1.19; 0.49]
et al, 1993 (c) −0.49 0.4940 −0.49 [−1.46; 0.48]
dson et al, 1977 0.40 0.6269 0.40 [−0.83; 1.63]
kainen et al, 1992 (b) −0.20 0.2452 −0.20 [−0.68; 0.28] 1
awa, 1986 −0.50 0.3570 −0.50 [−1.20; 0.19]
sens et al, 2018 (a) ... 1.99 0.2513 1.99 [1.50; 2.49]
n et al, 1983 −0.40 0.5127 −0.40 [−1.41; 0.60]
gnoni et al, 1992 (a) −0.39 0.2519 −0.39 [−0.88; 0.10] 1
ux et al, 1986 (b) −0.25 0.4378 −0.25 [−1.11; 0.61]
ux et al, 1986 (c) 0.12 0.4012 0.12 [−0.66; 0.91]
a et al, 1987 (b) −0.31 0.4603 −0.31 [−1.21; 0.59]
a et al, 1987 (c) 0.11 0.4424 0.11 [−0.76; 0.97]
lom effects model −0.27 [−0.44; −0.09] 10
iction interval [−0.72; 0.19]
ogeneity: I^2 = 0%, τ^2 = 0.0363, p = 0.90
−2
−1
0
1
2

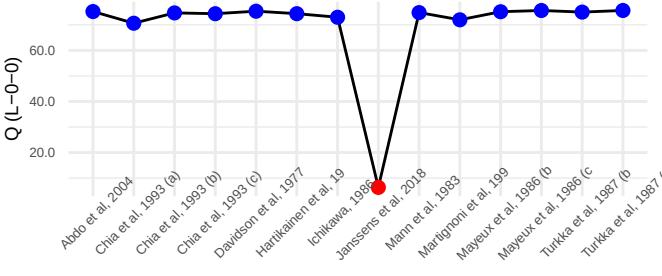

Stand. Residual
5.0
2.5
0.0
Abdo et al. 2004
Chia et al. 1993 (a)
Chia et al. 1993 (b)
Chia et al. 1993 (c)
Davidson et al. 1977
Hartikainen et al. 19
Ichikawa, 1986
Janssens et al. 2018
Mann et al. 1983
Martignoni et al. 199
Mayeux et al. 1986 (b
Mayeux et al. 1986 (c
Turkka et al. 1987 (b
Turkka et al. 1987 (c

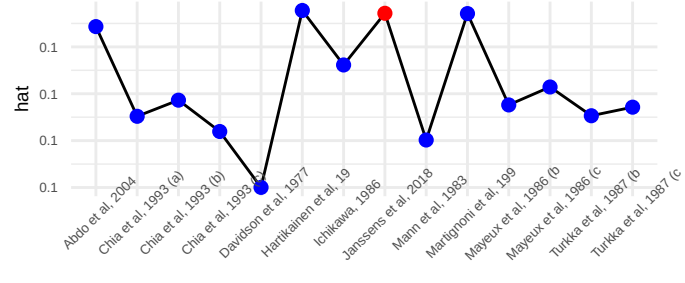

DFFITS
2.0
1.5
1.0
0.5
0.0
Abdo et al. 2004
Chia et al. 1993 (a)
Chia et al. 1993 (b)
Chia et al. 1993 (c)
Davidson et al. 1977
Hartikainen et al. 19
Ichikawa, 1986
Janssens et al. 2018
Mann et al. 1983
Martignoni et al. 199
Mayeux et al. 1986 (b
Mayeux et al. 1986 (c
Turkka et al. 1987 (b
Turkka et al. 1987 (c

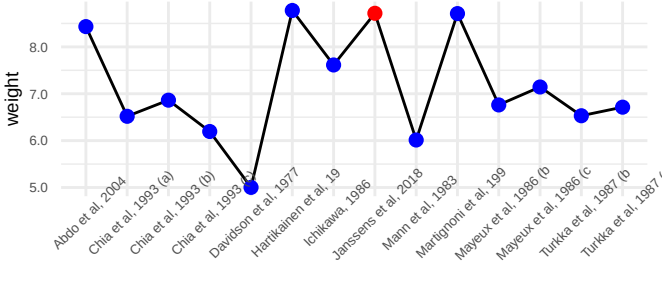

Cook's Distance
1.0
0.8
0.5
0.2
0.0
Abdo et al. 2004
Chia et al. 1993 (a)
Chia et al. 1993 (b)
Chia et al. 1993 (c)
Davidson et al. 1977
Hartikainen et al. 19
Ichikawa, 1986
Janssens et al. 2018
Mann et al. 1983
Martignoni et al. 199
Mayeux et al. 1986 (b
Mayeux et al. 1986 (c
Turkka et al. 1987 (b
Turkka et al. 1987 (c

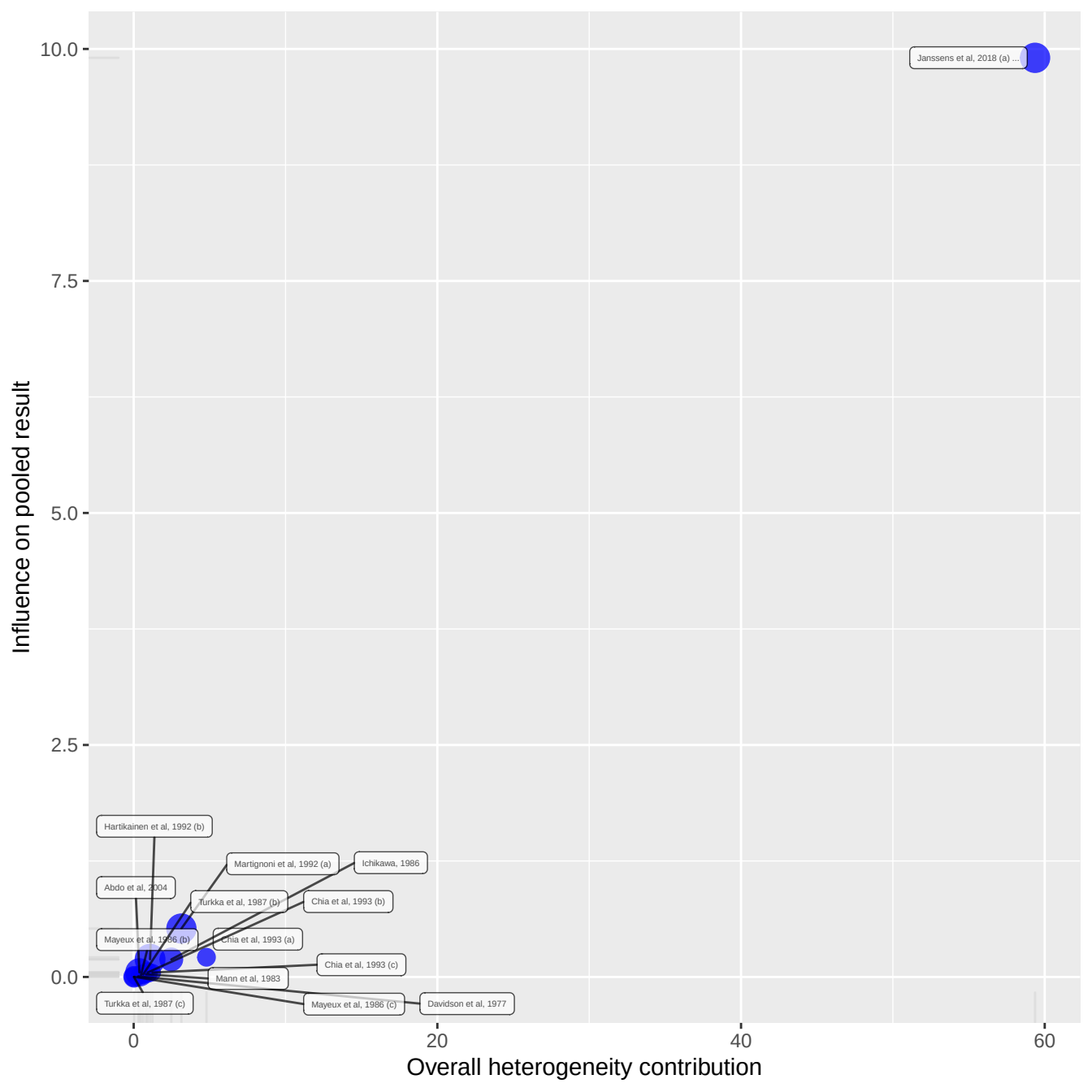

Covariance Ratio
1.2
1.0
0.8
0.6
0.4
Abdo et al. 2004
Chia et al. 1993 (a)
Chia et al. 1993 (b)
Chia et al. 1993 (c)
Davidson et al. 1977
Hartikainen et al. 19
Ichikawa, 1986
Janssens et al. 2018
Mann et al. 1983
Martignoni et al. 199
Mayeux et al. 1986 (b
Mayeux et al. 1986 (c
Turkka et al. 1987 (b
Turkka et al. 1987 (c

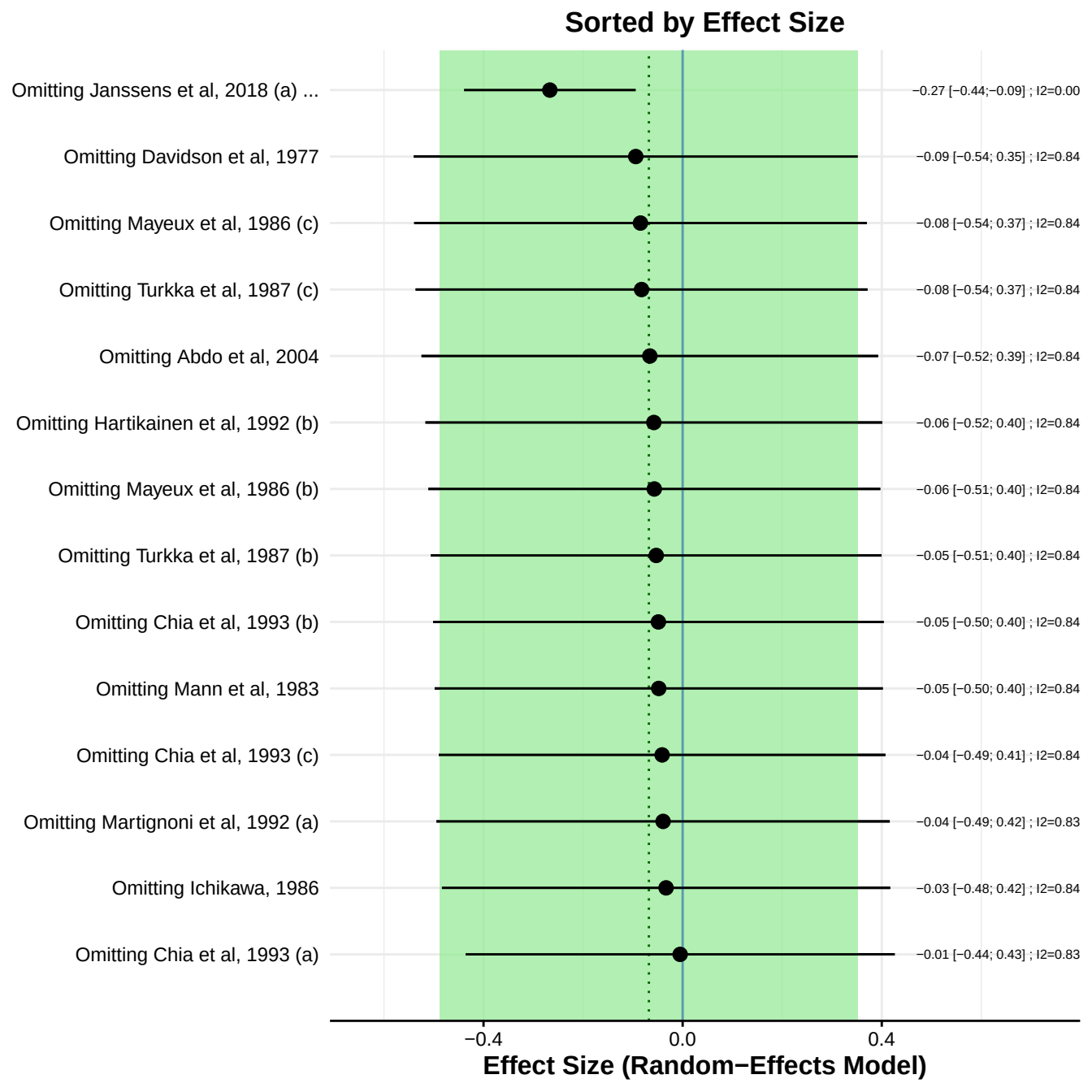

tau−squared (L−0−0)
0.4
0.3
0.2
0.1
Abdo et al. 2004
Chia et al. 1993 (a)
Chia et al. 1993 (b)
Chia et al. 1993 (c)
Davidson et al. 1977
Hartikainen et al. 19
Ichikawa, 1986
Janssens et al. 2018
Mann et al. 1983
Martignoni et al. 199
Mayeux et al. 1986 (b
Mayeux et al. 1986 (c
Turkka et al. 1987 (b
Turkka et al. 1987 (c

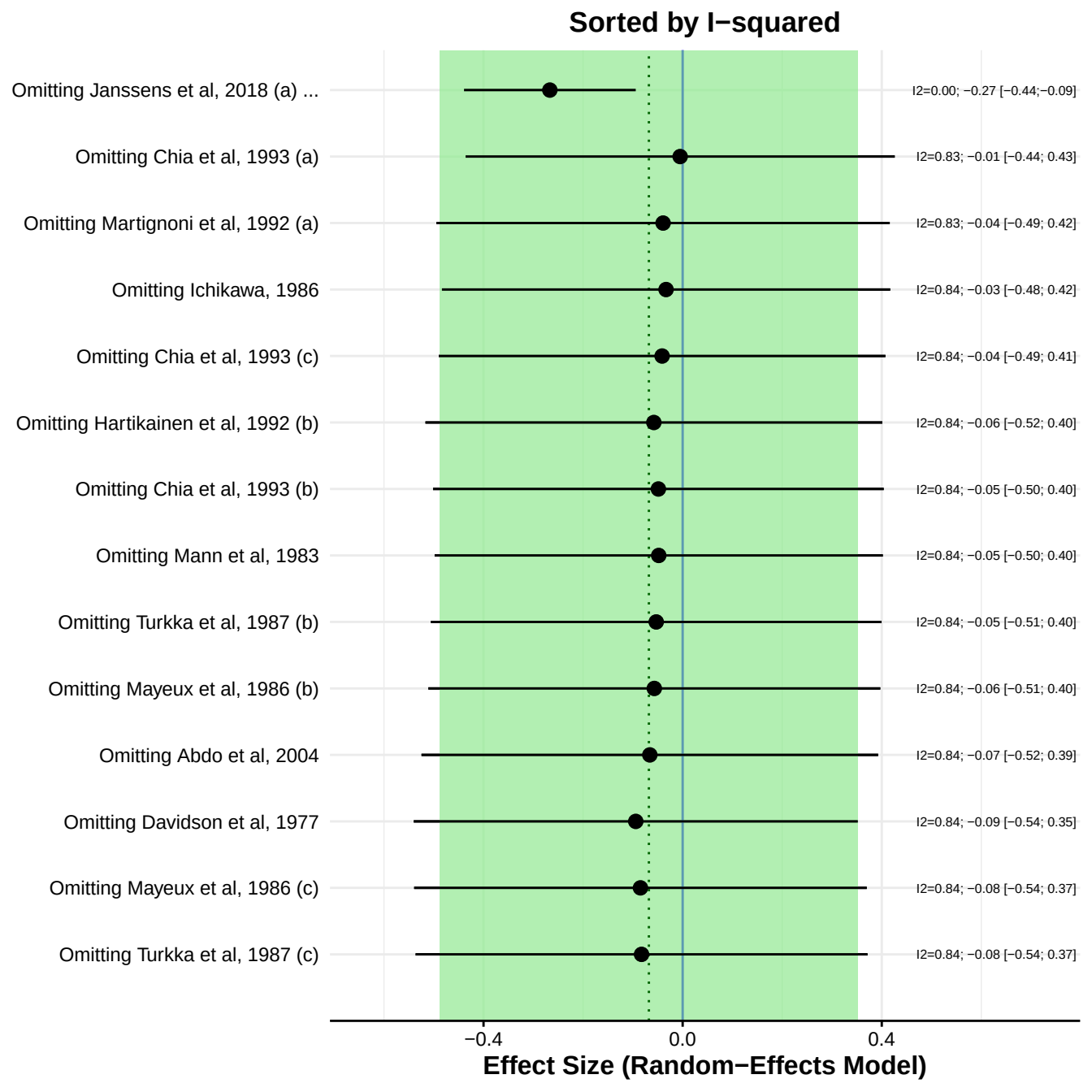

Q (L−0−0)
60.0
40.0
20.0
Abdo et al. 2004
Chia et al. 1993 (a)
Chia et al. 1993 (b)
Chia et al. 1993 (c)
Davidson et al. 1977
Hartikainen et al. 19
Ichikawa, 1986
Janssens et al. 2018
Mann et al. 1983
Martignoni et al. 199
Mayeux et al. 1986 (b
Mayeux et al. 1986 (c
Turkka et al. 1987 (b
Turkka et al. 1987 (c

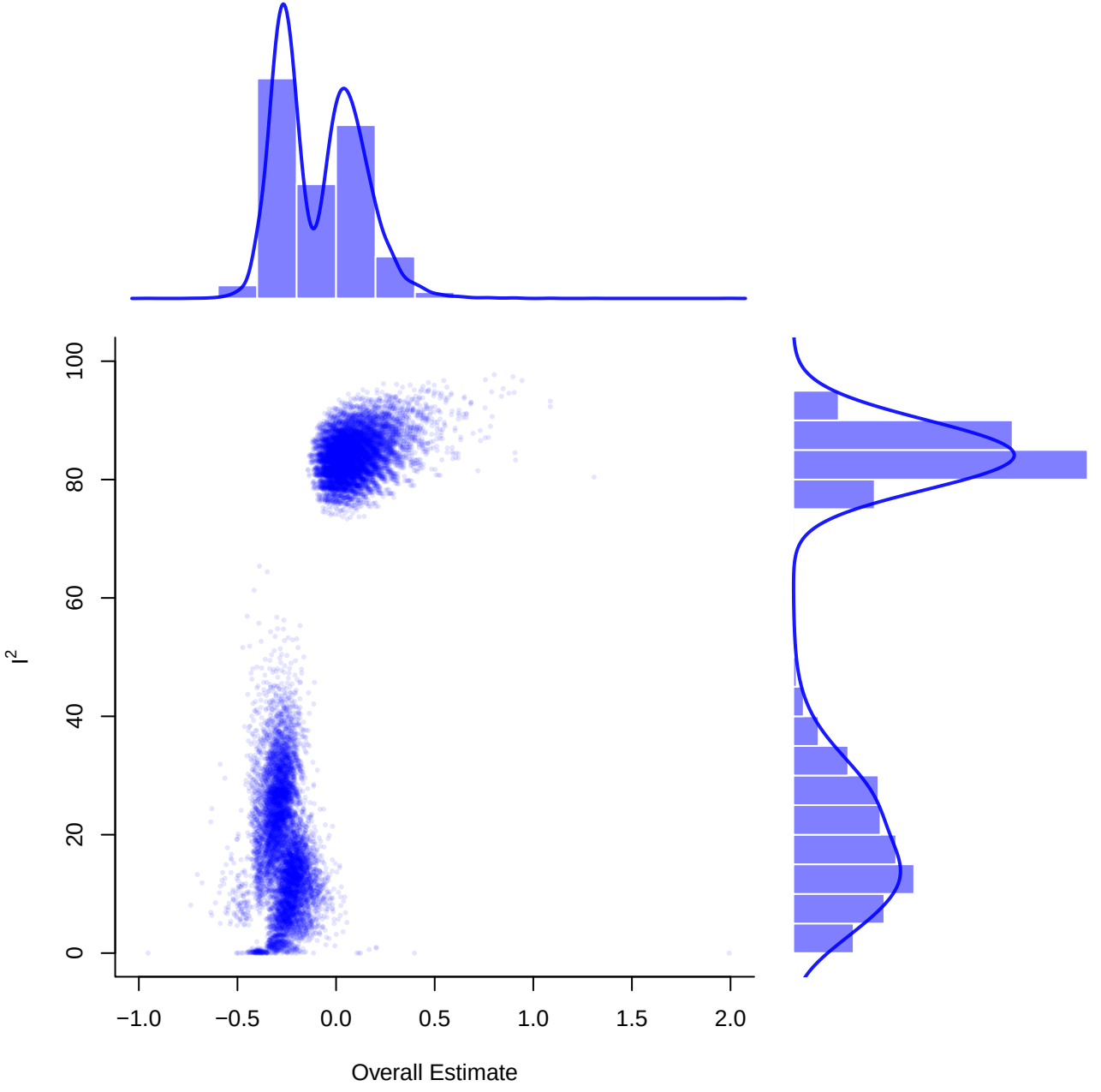

hat
0.1
0.1
0.1
0.1
Abdo et al. 2004
Chia et al. 1993 (a)
Chia et al. 1993 (b)
Chia et al. 1993 (c)
Davidson et al. 1977
Hartikainen et al. 19
Ichikawa, 1986
Janssens et al. 2018
Mann et al. 1983
Martignoni et al. 199
Mayeux et al. 1986 (b
Mayeux et al. 1986 (c
Turkka et al. 1987 (b
Turkka et al. 1987 (c

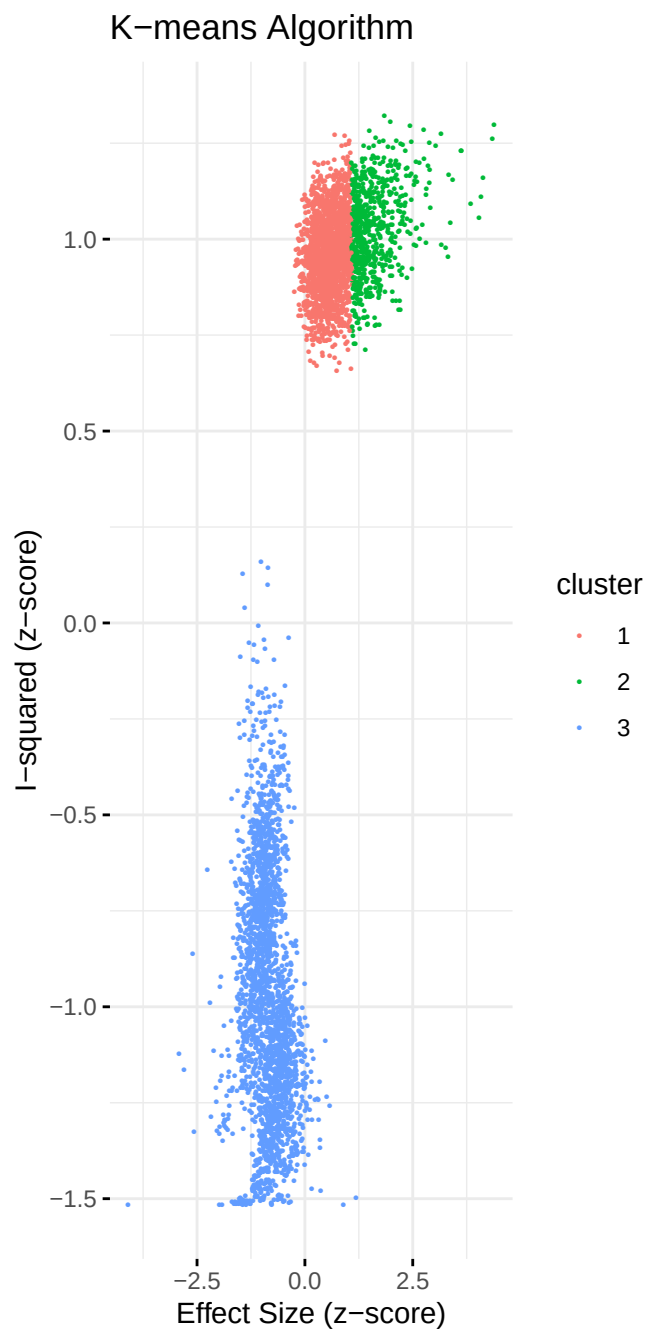

weight
8.0
7.0
6.0
5.0
Abdo et al. 2004
Chia et al. 1993 (a)
Chia et al. 1993 (b)
Chia et al. 1993 (c)
Davidson et al. 1977
Hartikainen et al. 19
Ichikawa, 1986
Janssens et al. 2018
Mann et al. 1983
Martignoni et al. 199
Mayeux et al. 1986 (b
Mayeux et al. 1986 (c
Turkka et al. 1987 (b
Turkka et al. 1987 (c

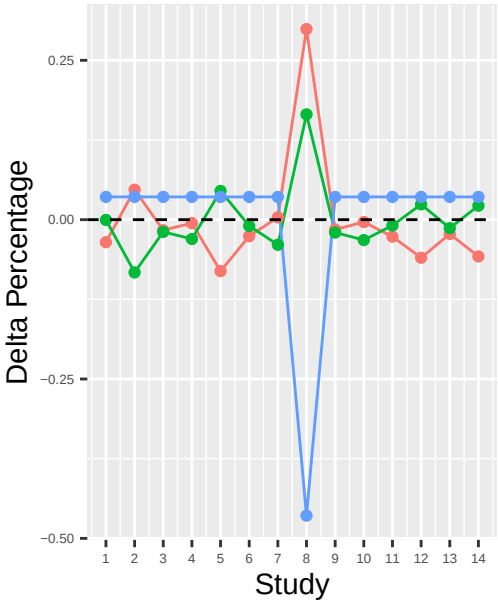

Janssens et al, 2018 (a) ...
Hartikainen et al, 1992 (b)
Martignoni et al, 1992 (a)
Ichikawa, 1986
Abdo et al, 2004
Turkka et al, 1987 (b)
Chia et al, 1993 (b)
Mayeux et al, 1996 (b)
Chia et al, 1993 (a)
Chia et al, 1993 (c)
Mann et al, 1983
Turkka et al, 1987 (c)
Mayeux et al, 1986 (c)
Davidson et al, 1977
10.0
7.5
5.0
2.5
0.0
0
20
40
60
Influence on pooled result
Overall heterogeneity contribution

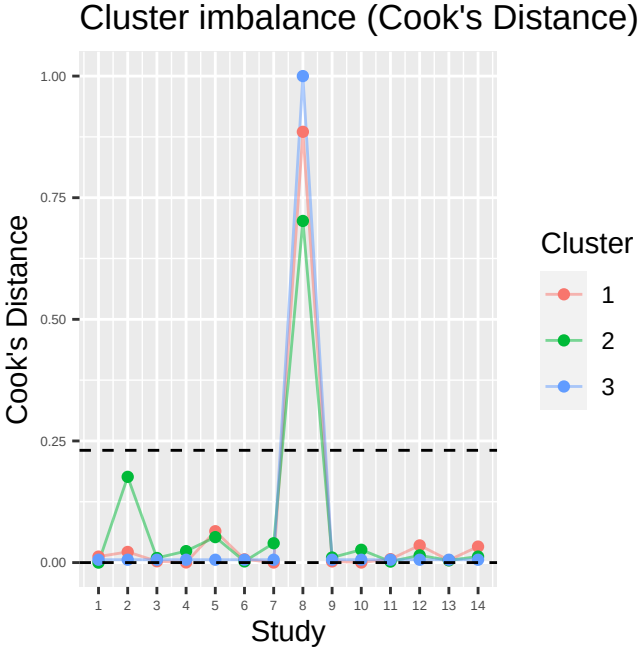

Sorted by Effect Size
Omitting Janssens et al, 2018 (a) ...
Omitting Davidson et al, 1977
Omitting Mayeux et al, 1986 (c)
Omitting Turkka et al, 1987 (c)
Omitting Abdo et al, 2004
Omitting Hartikainen et al, 1992 (b)
Omitting Mayeux et al, 1986 (b)
Omitting Turkka et al, 1987 (b)
Omitting Chia et al, 1993 (b)
Omitting Mann et al, 1983
Omitting Chia et al, 1993 (c)
Omitting Martignoni et al, 1992 (a)
Omitting Ichikawa, 1986
Omitting Chia et al, 1993 (a)
−0.27 [−0.44;−0.09] ; I2=0.00
−0.09 [−0.54; 0.35] ; I2=0.84
−0.08 [−0.54; 0.37] ; I2=0.84
−0.08 [−0.54; 0.37] ; I2=0.84
−0.07 [−0.52; 0.39] ; I2=0.84
−0.06 [−0.52; 0.40] ; I2=0.84
−0.06 [−0.51; 0.40] ; I2=0.84
−0.05 [−0.51; 0.40] ; I2=0.84
−0.05 [−0.50; 0.40] ; I2=0.84
−0.05 [−0.50; 0.40] ; I2=0.84
−0.04 [−0.49; 0.41] ; I2=0.84
−0.04 [−0.49; 0.42] ; I2=0.83
−0.03 [−0.48; 0.42] ; I2=0.84
−0.01 [−0.44; 0.43] ; I2=0.83
−0.4
0.0
0.4
Effect Size (Random−Effects Model)

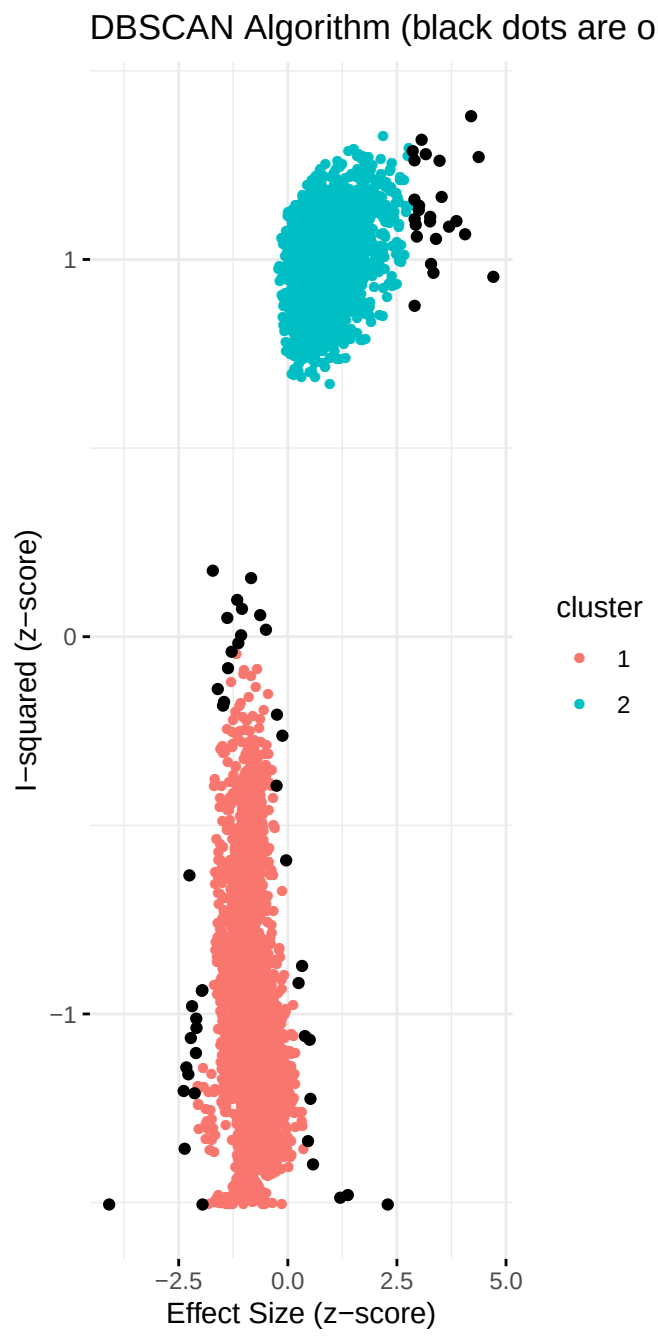

Sorted by I−squared
Omitting Janssens et al, 2018 (a) ...
Omitting Chia et al, 1993 (a)
Omitting Martignoni et al, 1992 (a)
Omitting Ichikawa, 1986
Omitting Chia et al, 1993 (c)
Omitting Hartikainen et al, 1992 (b)
Omitting Chia et al, 1993 (b)
Omitting Mann et al, 1983
Omitting Turkka et al, 1987 (b)
Omitting Mayeux et al, 1986 (b)
Omitting Abdo et al, 2004
Omitting Davidson et al, 1977
Omitting Mayeux et al, 1986 (c)
Omitting Turkka et al, 1987 (c)
I2=0.00; −0.27 [−0.44;−0.09]
I2=0.83; −0.01 [−0.44; 0.43]
I2=0.83; −0.04 [−0.49; 0.42]
I2=0.84; −0.03 [−0.48; 0.42]
I2=0.84; −0.04 [−0.49; 0.41]
I2=0.84; −0.06 [−0.52; 0.40]
I2=0.84; −0.05 [−0.50; 0.40]
I2=0.84; −0.05 [−0.50; 0.40]
I2=0.84; −0.05 [−0.51; 0.40]
I2=0.84; −0.06 [−0.51; 0.40]
I2=0.84; −0.07 [−0.52; 0.39]
I2=0.84; −0.09 [−0.54; 0.35]
I2=0.84; −0.08 [−0.54; 0.37]
I2=0.84; −0.08 [−0.54; 0.37]
−0.4
0.0
0.4
Effect Size (Random−Effects Model)

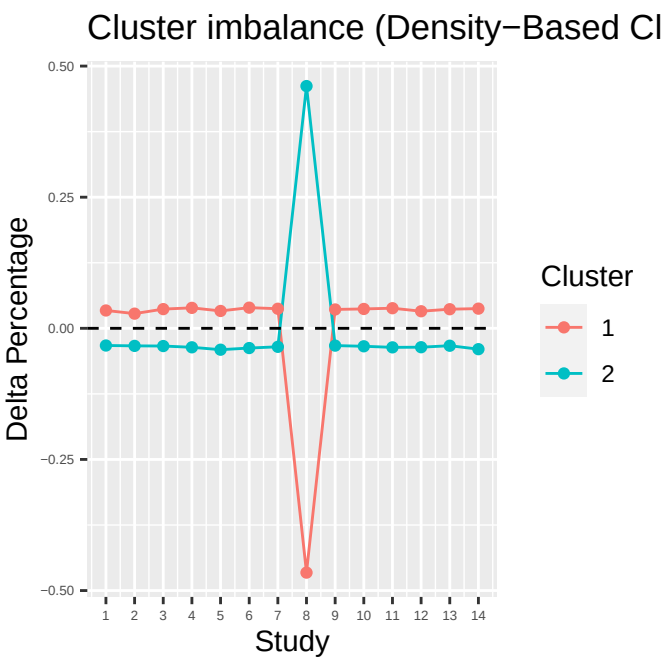

100
80
60
40
20
0
I^2
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
Overall Estimate

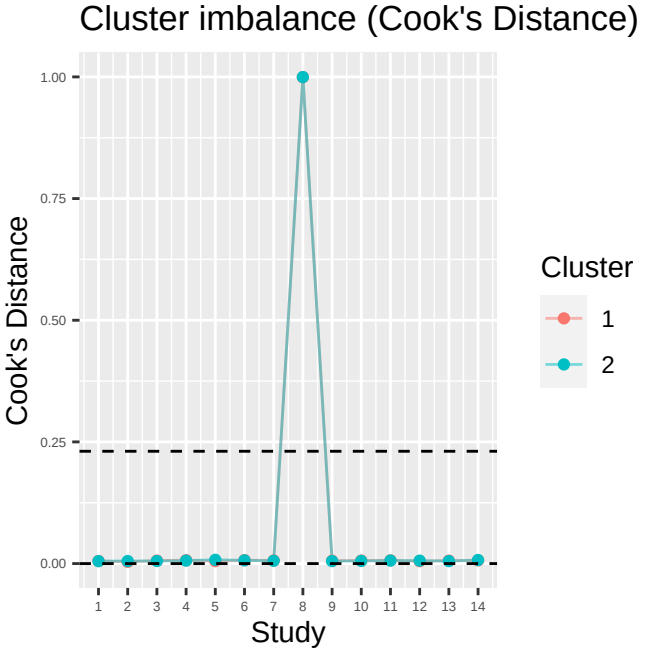

K−means Algorithm
I−squared (z−score)
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.5
0.0
2.5
Effect Size (z−score)
cluster
1
2
3

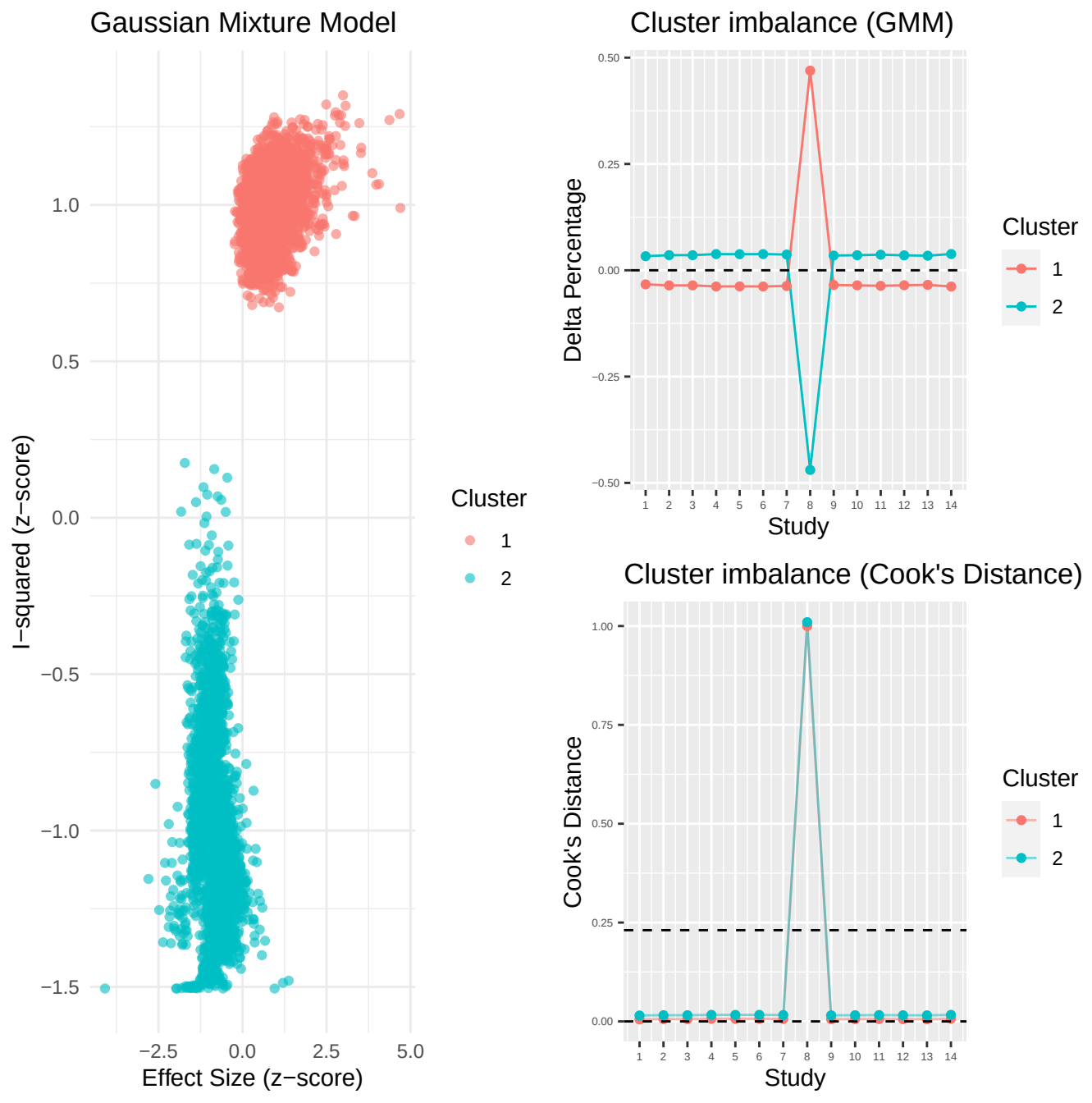

Cluster imbalance (K−Means algorithm)
Delta Percentage
0.25
0.00
−0.25
−0.50
1 2 3 4 5 6 7 8 9 10 11 12 13 14
Study
Cluster
1
2
3

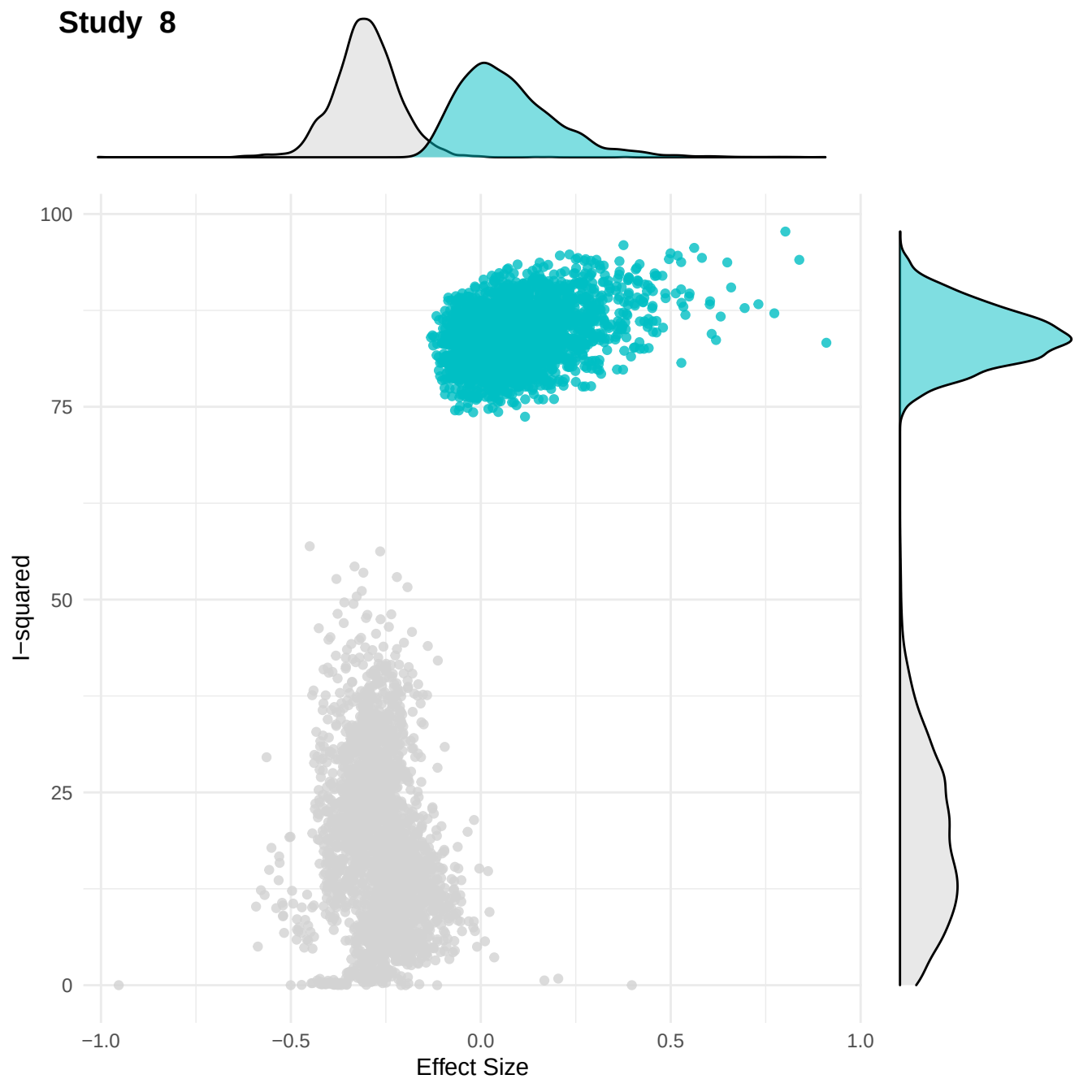

Cluster imbalance (Cook's Distance)
Cook's Distance
1.00
0.75
0.50
0.25
0.00
1 2 3 4 5 6 7 8 9 10 11 12 13 14
Study
Cluster
1
2
3

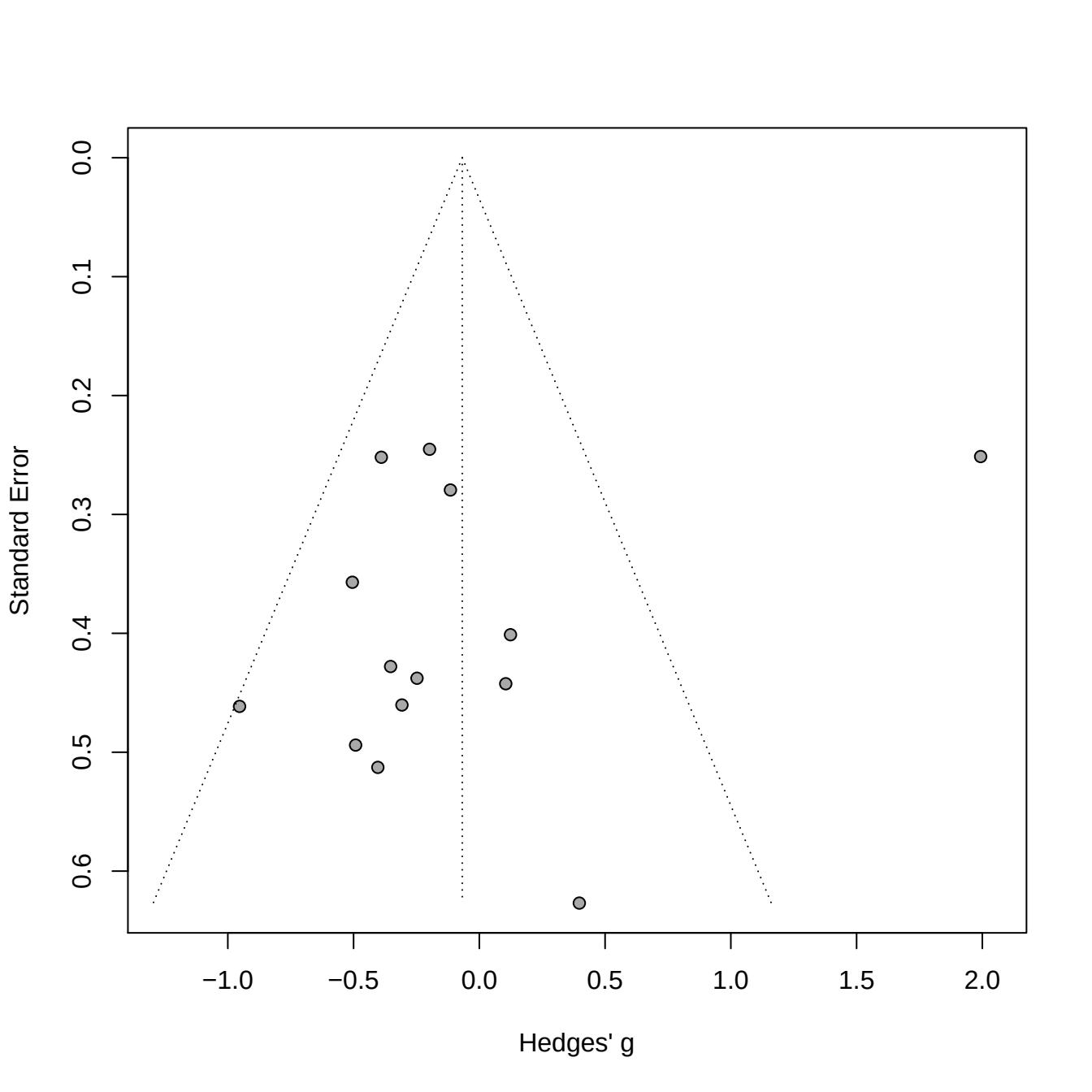

DBSCAN Algorithm (black dots are ou
I−squared (z−score)
Effect Size (z−score)
cluster
1
2

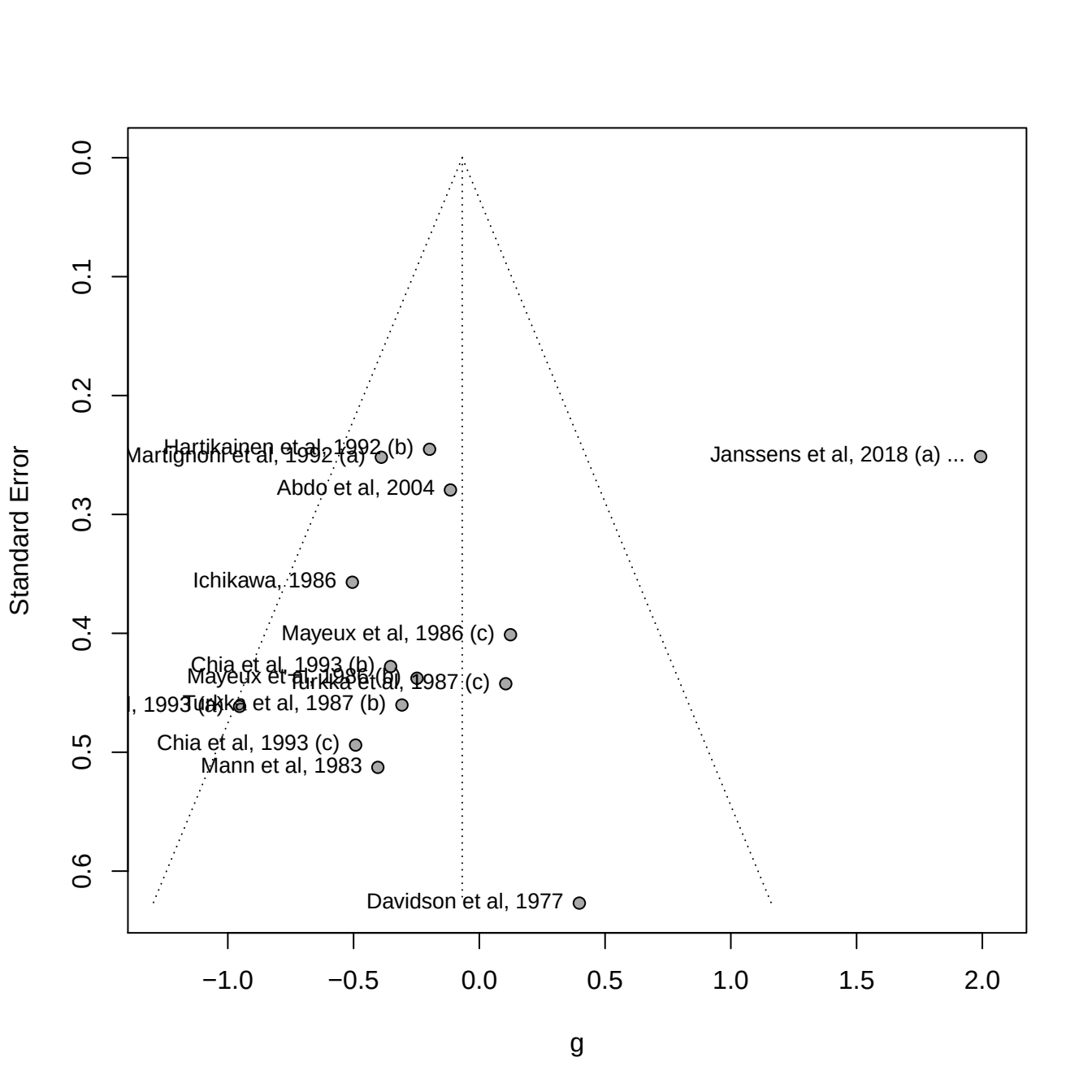

Cluster imbalance (Density−Based Cl
Delta Percentage
Study
Cluster
1
2

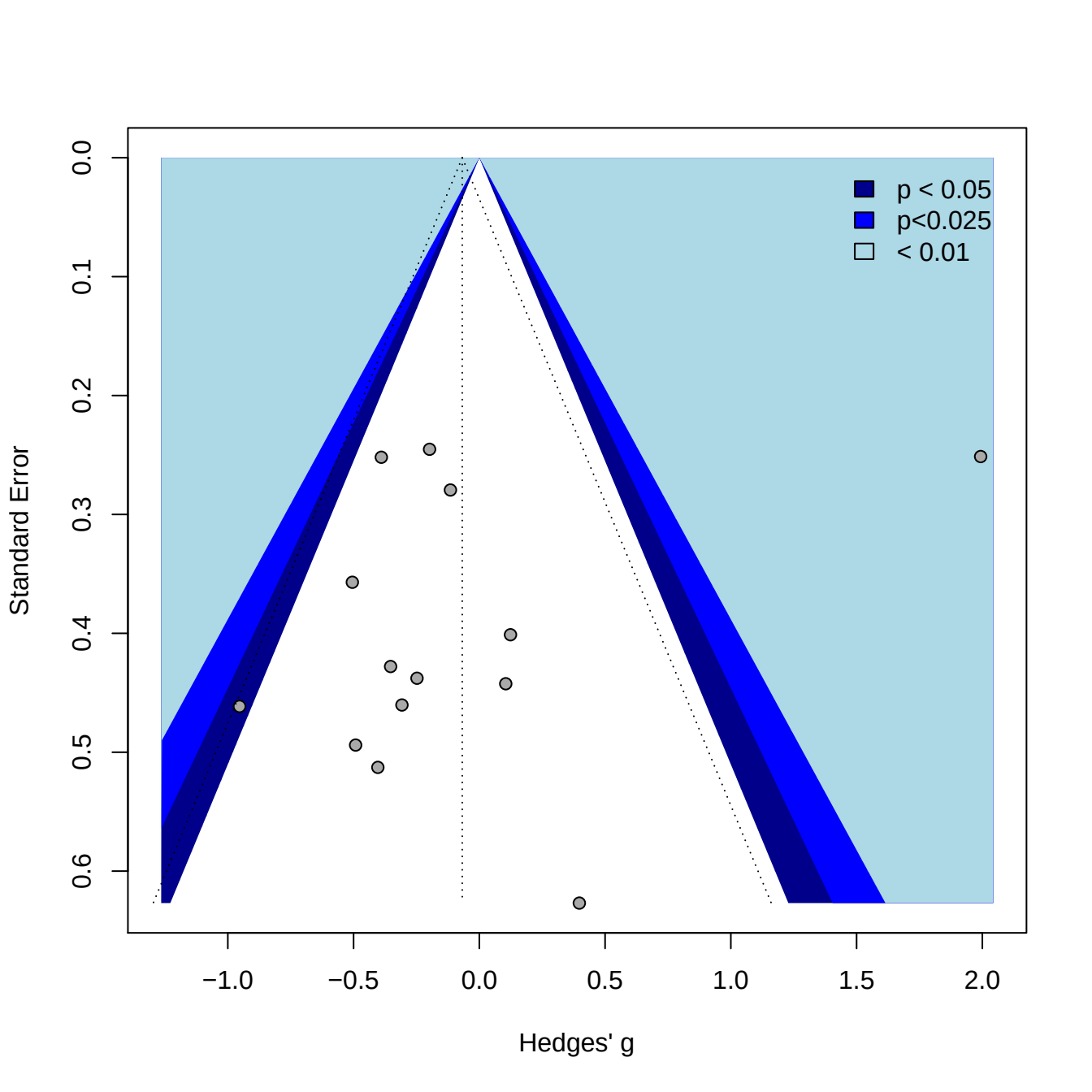

Cluster imbalance (Cook's Distance)
Cook's Distance
Study
Cluster
1
2


Gaussian Mixture Model
I−squared (z−score)
Effect Size (z−score)
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.5
0.0
2.5
5.0
Cluster
1
2
Cluster imbalance (GMM)
Delta Percentage
0.50
0.25
0.00
−0.25
−0.50
1 2 3 4 5 6 7 8 9 10 11 12 13 14
Study
Cluster
1
2
Cluster imbalance (Cook's Distance)
Cook's Distance
1.00
0.75
0.50
0.25
0.00
1 2 3 4 5 6 7 8 9 10 11 12 13 14
Study
Cluster
1
2


Study 8
100
75
50
25
0
I−squared
−1.0
−0.5
0.0
0.5
1.0
Effect Size


Standard Error
0.0
0.1
0.2
0.3
0.4
0.5
0.6
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
Hedges' g


Standard Error
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Hartikainen et al, 1992 (b)
Martignoni et al, 1992 (a)
Abdo et al, 2004
Janssens et al, 2018 (a) ...
Ichikawa, 1986
Mayeux et al, 1986 (c)
Chia et al, 1993 (b)
Mayeux et al, 1986 (b)
Turkka et al, 1987 (c)
Turkka et al, 1987 (b)
Chia et al, 1993 (c)
Mann et al, 1983
Davidson et al, 1977
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
g


p < 0.05
p<0.025
< 0.01
Standard Error
0.0
0.1
0.2
0.3
0.4
0.5
0.6
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
Hedges' g