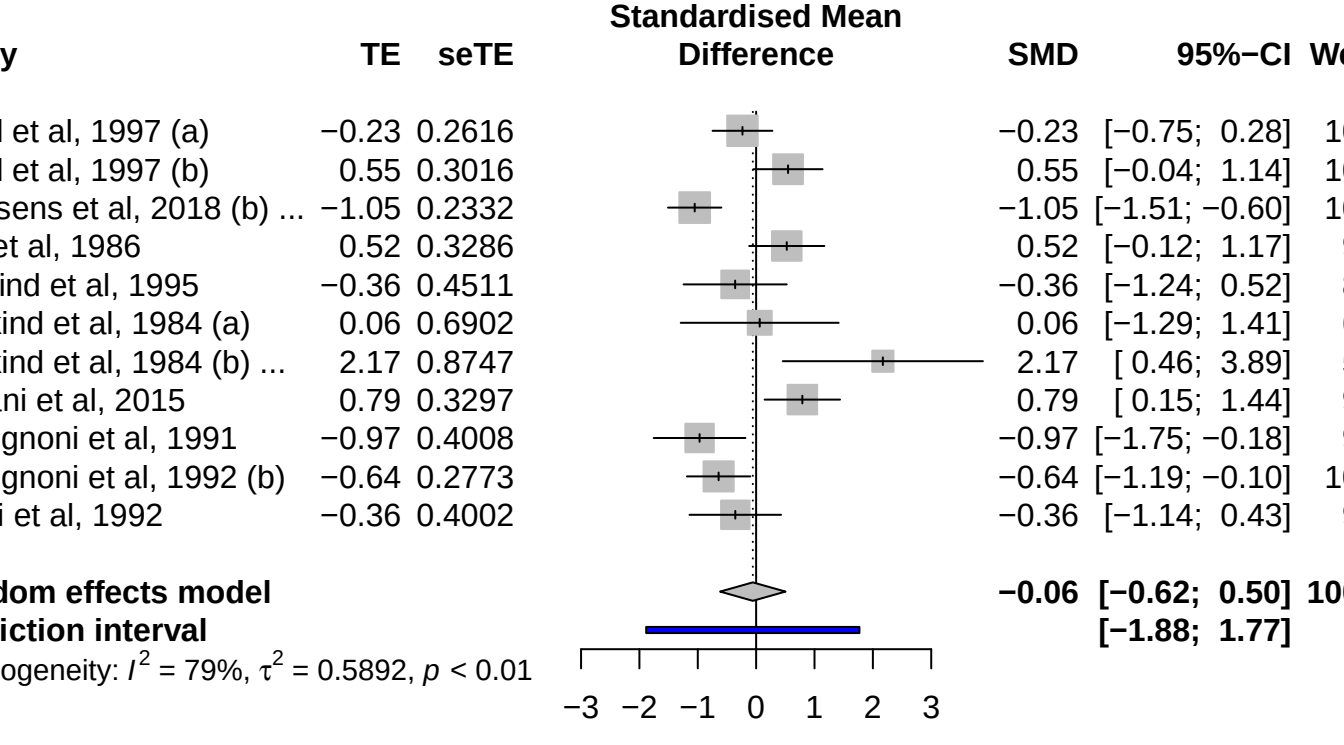
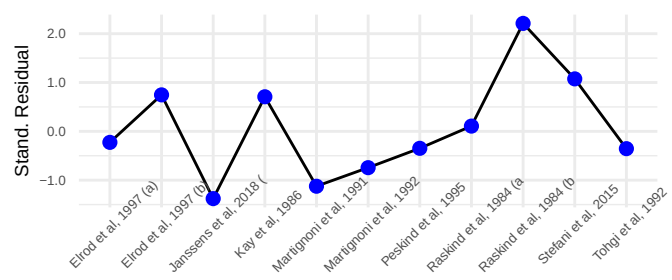
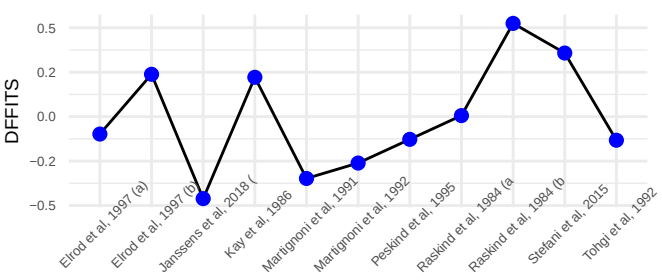
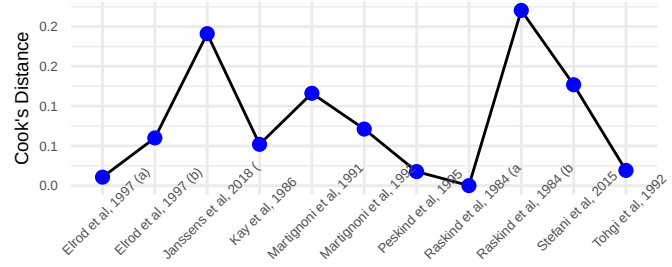
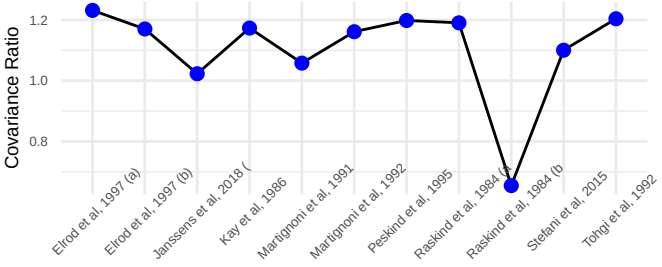
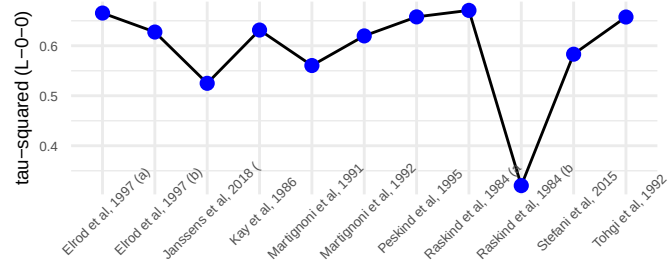

y
TE
seTE
Standardised Mean Difference
SMD
95%−CI
W
l et al, 1997 (a) −0.23 0.2616 −0.23 [−0.75; 0.28]
l et al, 1997 (b) 0.55 0.3016 0.55 [−0.04; 1.14]
sens et al, 2018 (b) ... −1.05 0.2332 −1.05 [−1.51; −0.60]
et al, 1986 0.52 0.3286 0.52 [−0.12; 1.17]
ind et al, 1995 −0.36 0.4511 −0.36 [−1.24; 0.52]
ind et al, 1984 (a) 0.06 0.6902 0.06 [−1.29; 1.41]
ind et al, 1984 (b) ... 2.17 0.8747 2.17 [0.46; 3.89]
ni et al, 2015 0.79 0.3297 0.79 [0.15; 1.44]
gnoni et al, 1991 −0.97 0.4008 −0.97 [−1.75; −0.18]
gnoni et al, 1992 (b) −0.64 0.2773 −0.64 [−1.19; −0.10]
i et al, 1992 −0.36 0.4002 −0.36 [−1.14; 0.43]
dom effects model −0.06 [−0.62; 0.50]
iction interval [−1.88; 1.77]
ogeneity: I^2 = 79%, τ^2 = 0.5892, p < 0.01
−3 −2 −1 0 1 2 3

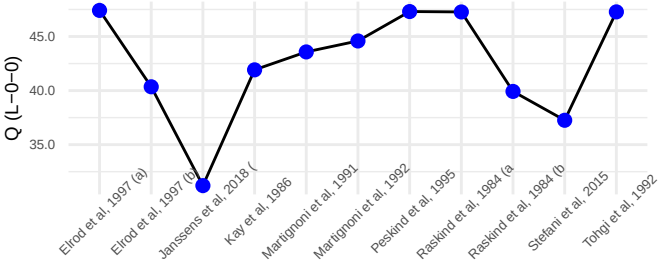

Stand. Residual
2.0
1.0
0.0
−1.0
Elrod et al. 1997 (a)
Elrod et al. 1997 (b)
Janssens et al. 2018 (
Kay et al. 1986
Martignoni et al. 1991
Martignoni et al. 1992
Peskind et al. 1995
Raskind et al. 1984 (a
Raskind et al. 1984 (b
Stefani et al. 2015
Tohgi et al. 1992

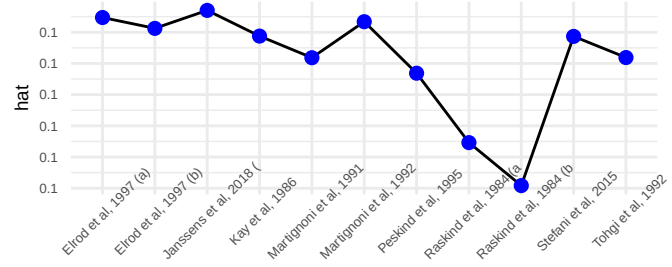

DFFITS
0.5
0.2
0.0
−0.2
−0.5
Elrod et al. 1997 (a)
Elrod et al. 1997 (b)
Janssens et al. 2018 (
Kay et al. 1986
Martignoni et al. 1991
Martignoni et al. 1992
Peskind et al. 1995
Raskind et al. 1984 (a
Raskind et al. 1984 (b
Stefani et al. 2015
Tohgi et al. 1992

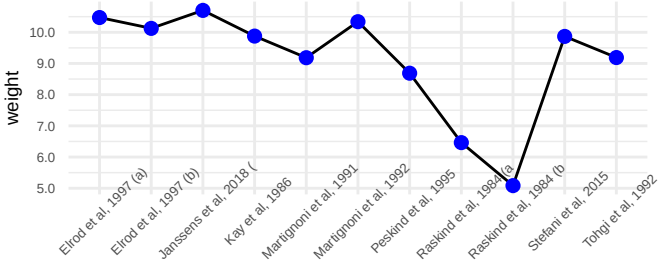

Cook's Distance
0.2
0.2
0.1
0.1
0.0
Elrod et al. 1997 (a)
Elrod et al. 1997 (b)
Janssens et al. 2018 (
Kay et al. 1986
Martignoni et al. 1991
Martignoni et al. 1992
Peskind et al. 1995
Raskind et al. 1984 (a
Raskind et al. 1984 (b
Stefani et al. 2015
Tohgi et al. 1992

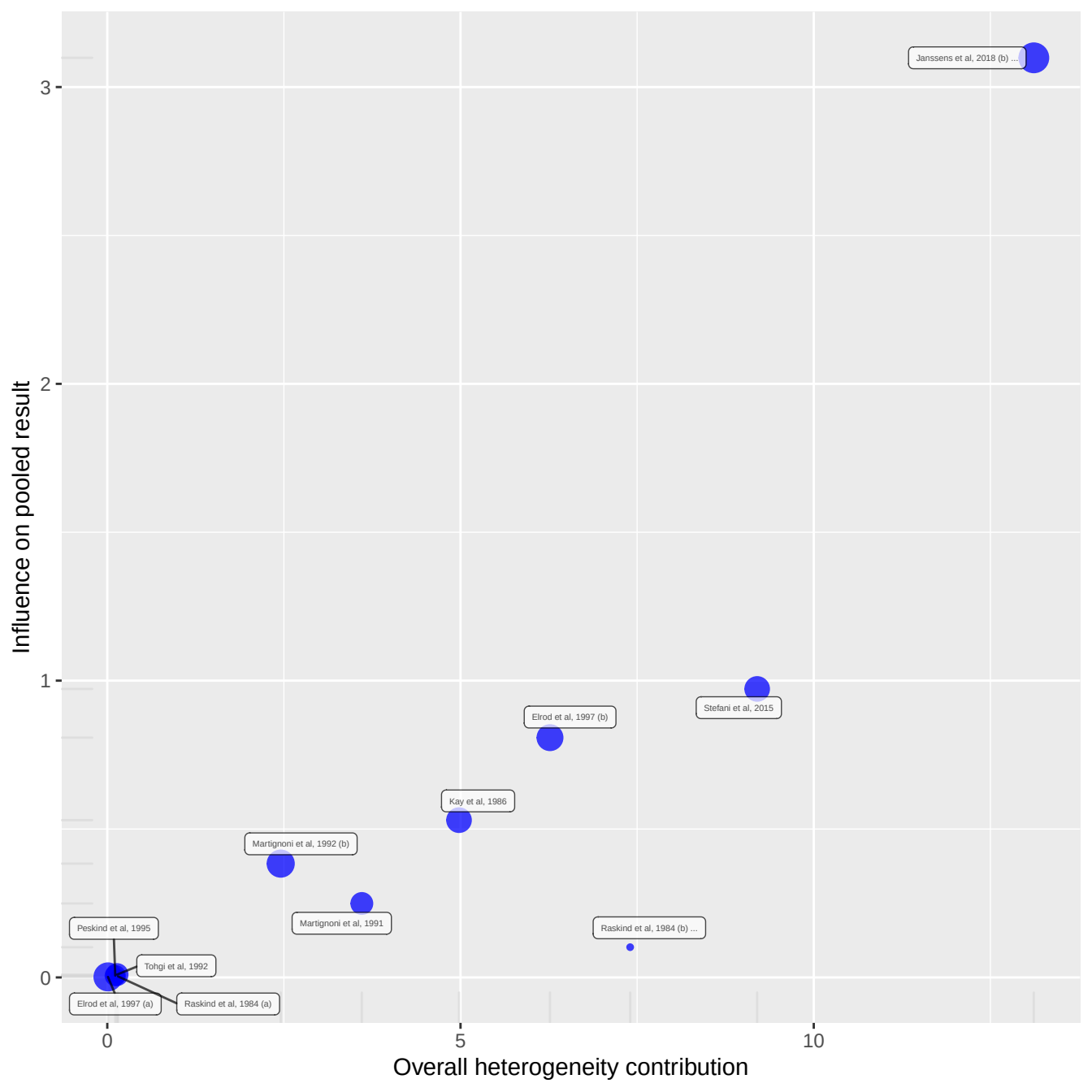

Covariance Ratio
1.2
1.0
0.8
Elrod et al. 1997 (a)
Elrod et al. 1997 (b)
Janssens et al. 2018 (
Kay et al. 1986
Martignoni et al. 1991
Martignoni et al. 1992
Peskind et al. 1995
Raskind et al. 1984 (a
Raskind et al. 1984 (b
Stefani et al. 2015
Tohgi et al. 1992

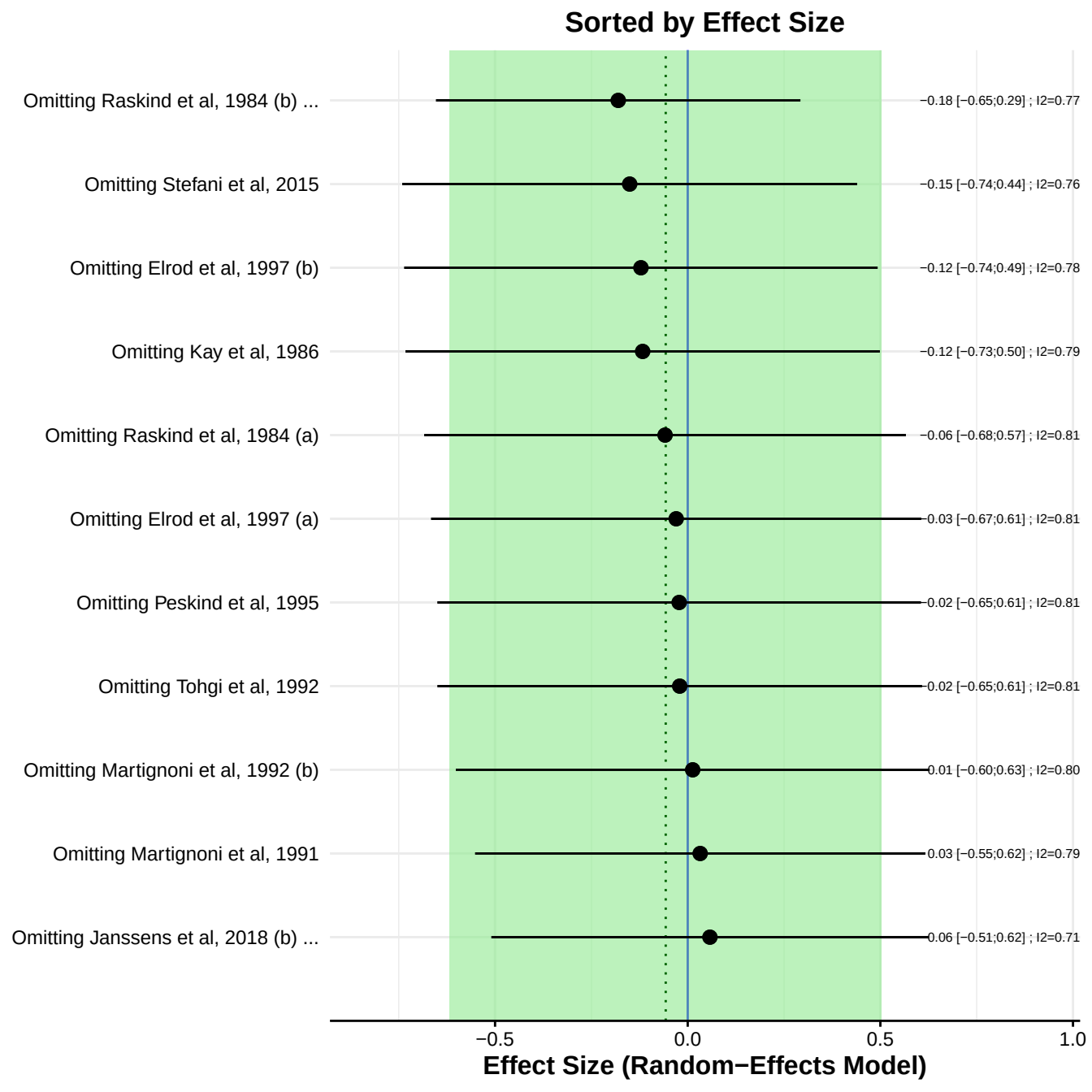

tau−squared (L−0−0)
0.6
0.5
0.4
Elrod et al. 1997 (a)
Elrod et al. 1997 (b)
Janssens et al. 2018 (
Kay et al. 1986
Martignoni et al. 1991
Martignoni et al. 1992
Peskind et al. 1995
Raskind et al. 1984 (a
Raskind et al. 1984 (b
Stefani et al. 2015
Tohgi et al. 1992

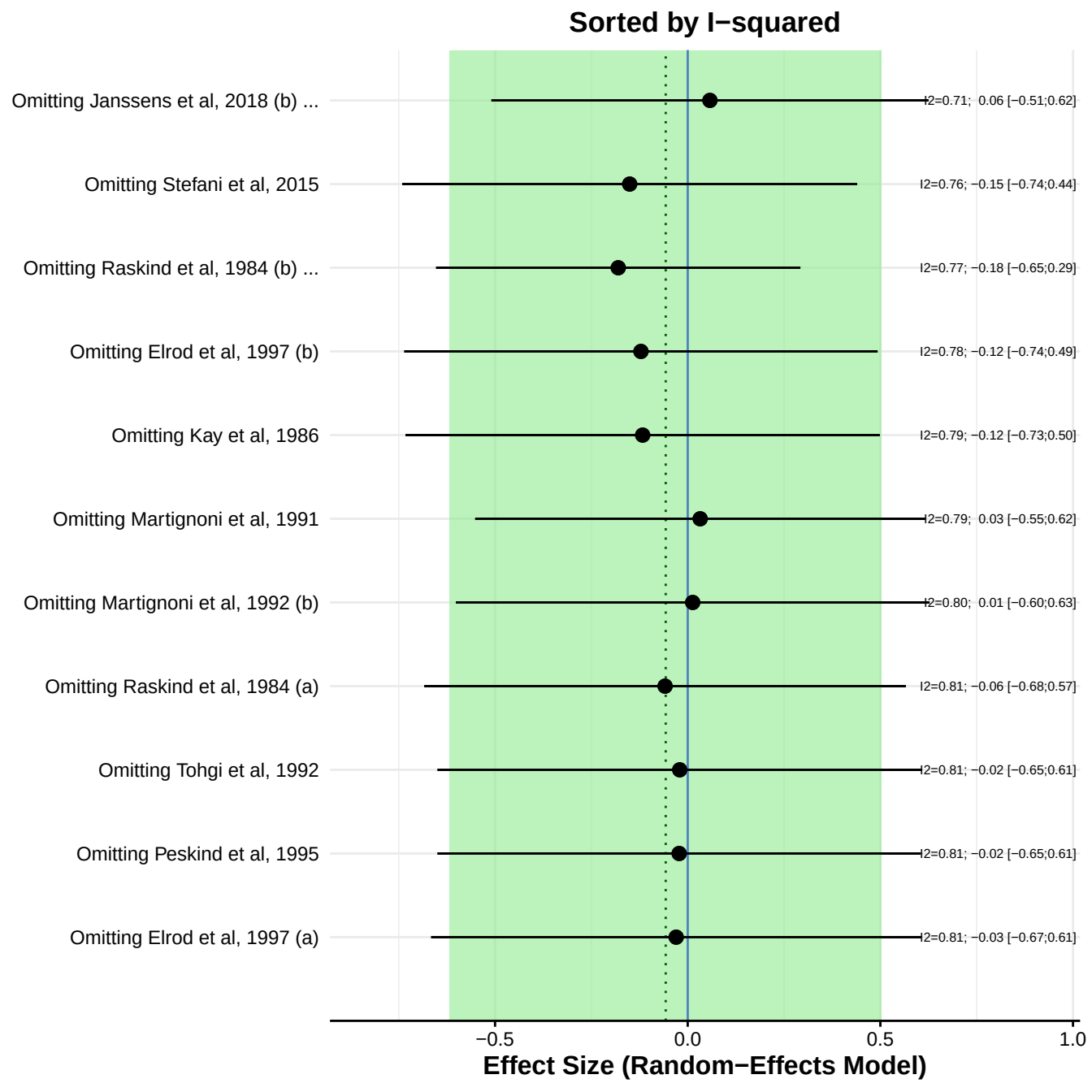

Q (L−0−0)
45.0
40.0
35.0
Elrod et al. 1997 (a)
Elrod et al. 1997 (b)
Janssens et al. 2018 (
Kay et al. 1986
Martignoni et al. 1991
Martignoni et al. 1992
Peskind et al. 1995
Raskind et al. 1984 (a
Raskind et al. 1984 (b
Stefani et al. 2015
Tohgi et al. 1992

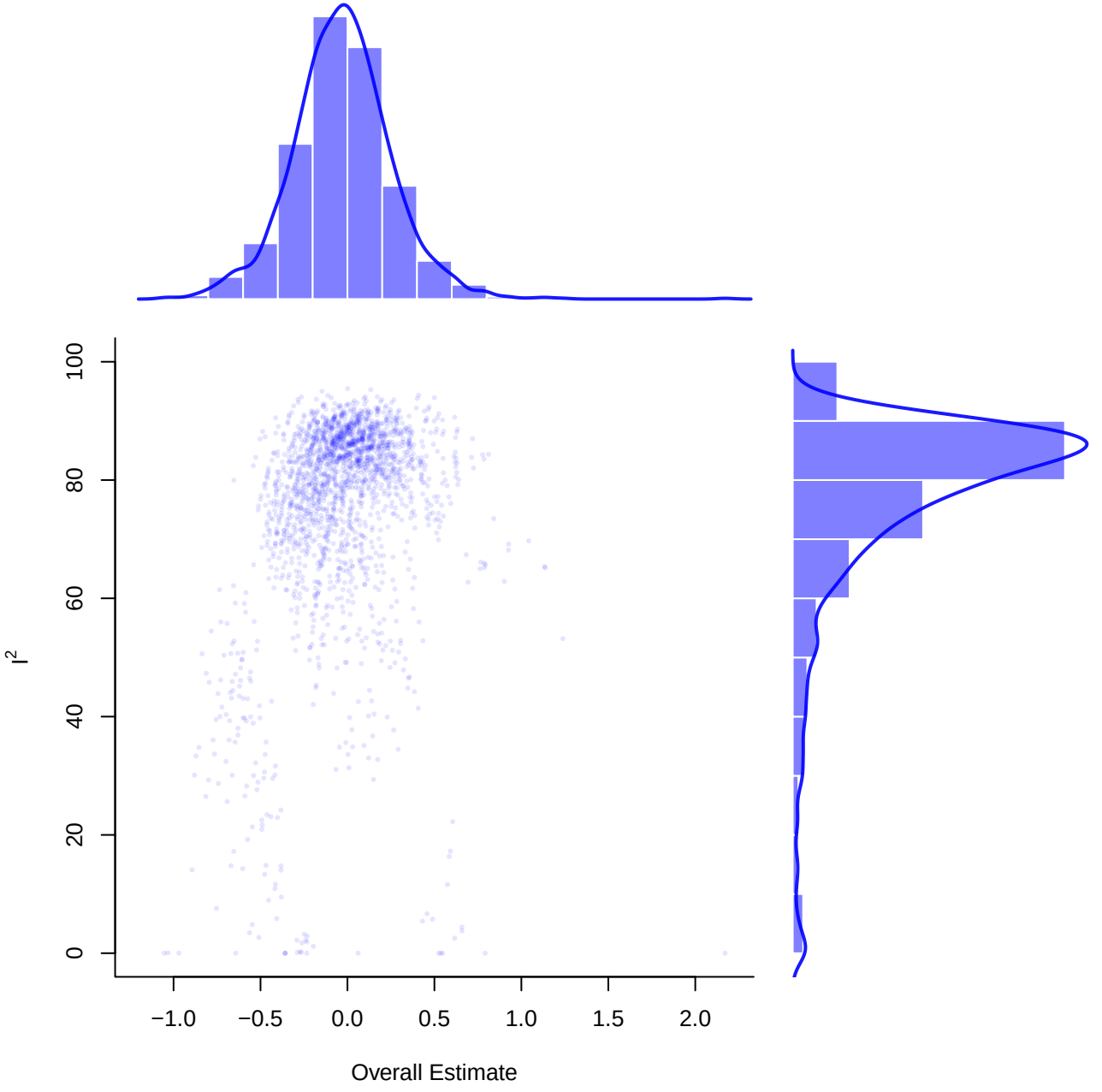

hat
0.1
0.1
0.1
0.1
0.1
0.1
Elrod et al. 1997 (a)
Elrod et al. 1997 (b)
Janssens et al. 2018 (
Kay et al. 1986
Martignoni et al. 1991
Martignoni et al. 1992
Peskind et al. 1995
Raskind et al. 1984 (a
Raskind et al. 1984 (b
Stefani et al. 2015
Tohgi et al. 1992

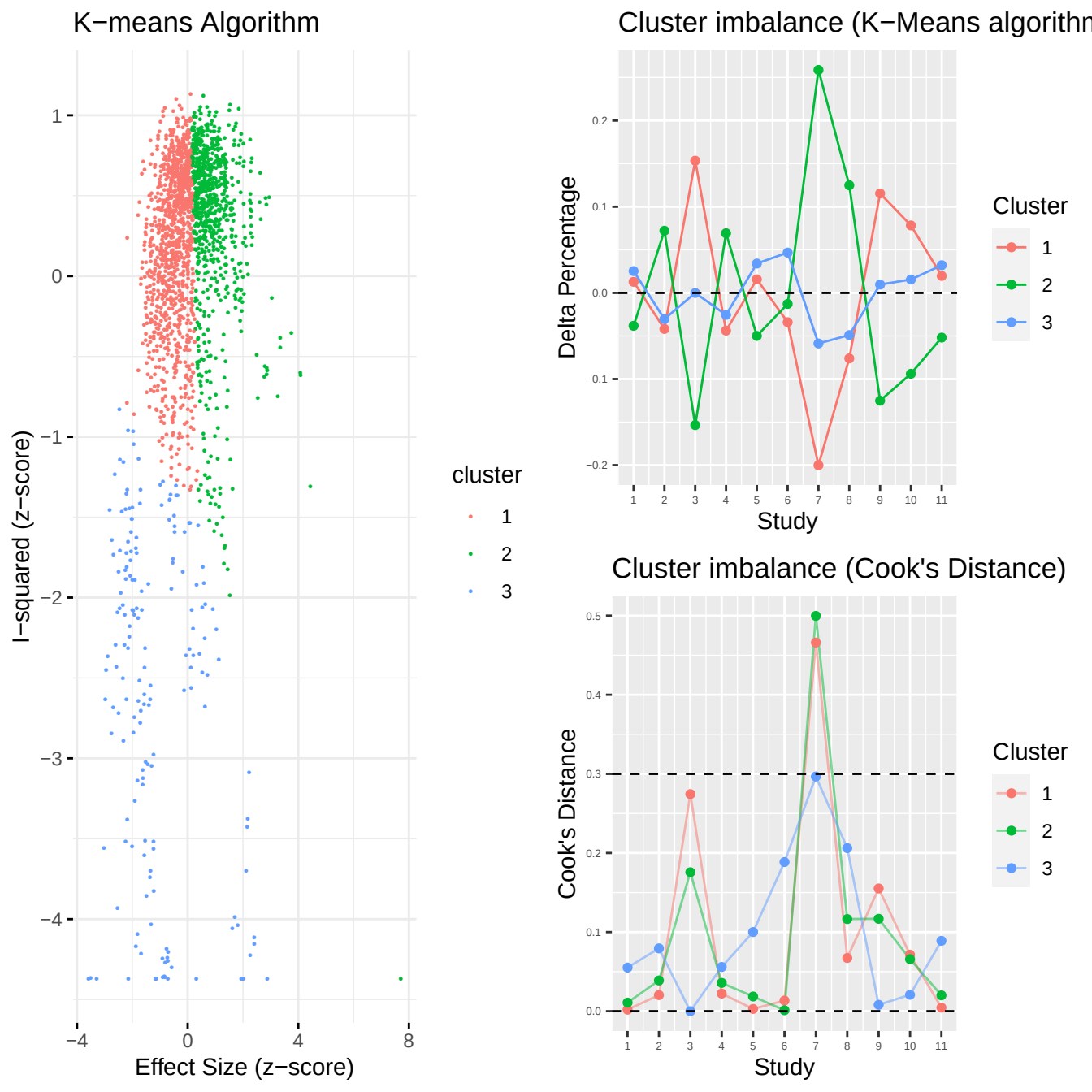

weight
10.0
9.0
8.0
7.0
6.0
5.0
Elrod et al. 1997 (a)
Elrod et al. 1997 (b)
Janssens et al. 2018 (
Kay et al. 1986
Martignoni et al. 1991
Martignoni et al. 1992
Peskind et al. 1995
Raskind et al. 1984 (a
Raskind et al. 1984 (b
Stefani et al. 2015
Tohgi et al. 1992

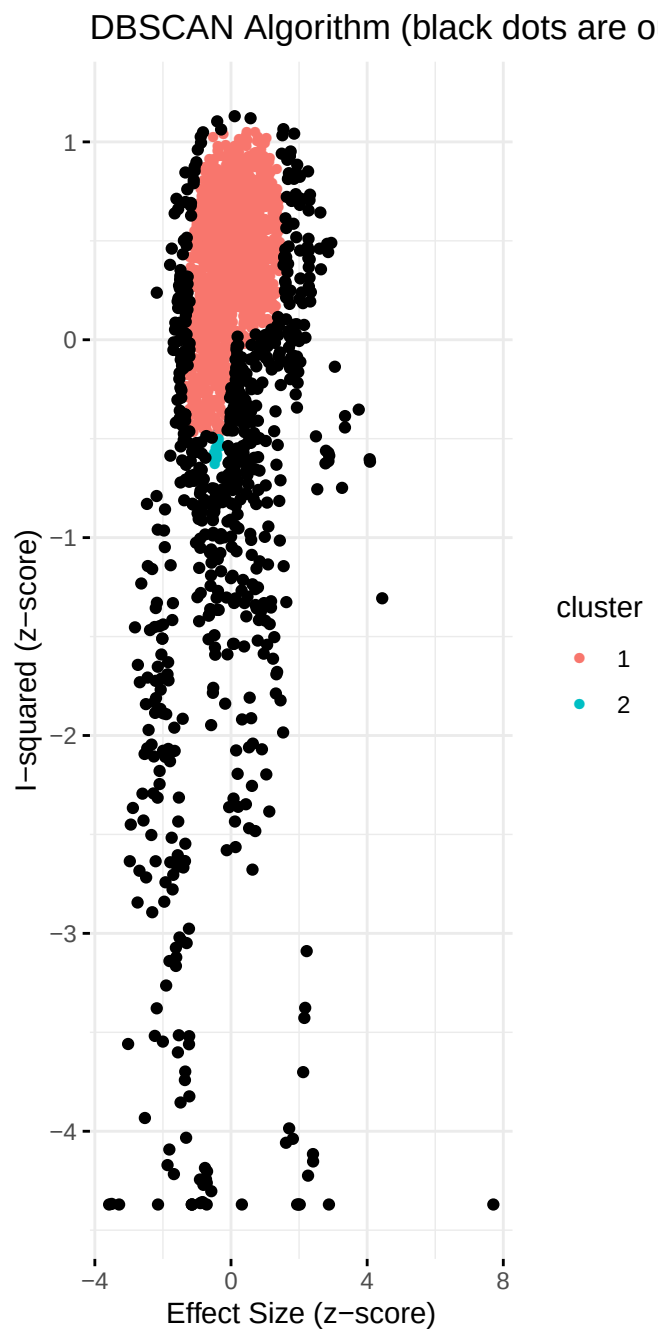

Janssens et al, 2018 (b) ...
Stefani et al, 2015
Elrod et al, 1997 (b)
Kay et al, 1986
Martignoni et al, 1992 (b)
Martignoni et al, 1991
Raskind et al, 1984 (b) ...
Peskind et al, 1995
Tohgi et al, 1992
Elrod et al, 1997 (a)
Raskind et al, 1984 (a)
3
2
1
0
0
5
10
Influence on pooled result
Overall heterogeneity contribution

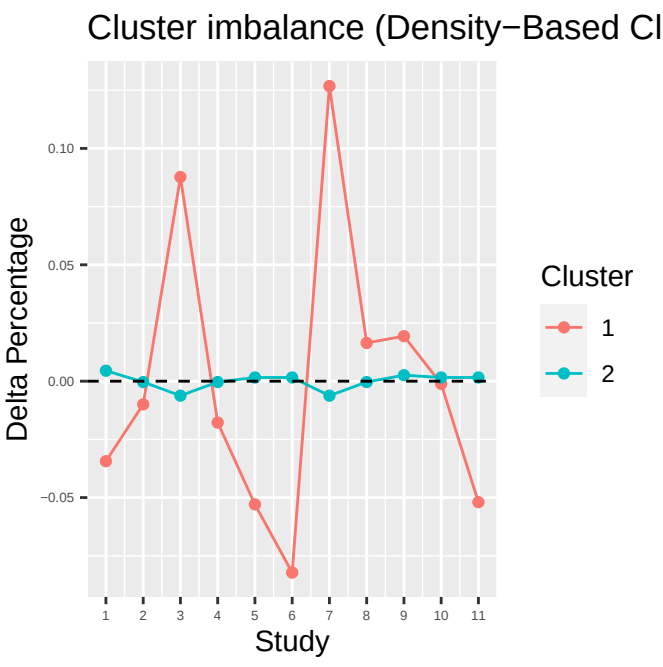

Sorted by Effect Size
Omitting Raskind et al, 1984 (b) ...
Omitting Stefani et al, 2015
Omitting Elrod et al, 1997 (b)
Omitting Kay et al, 1986
Omitting Raskind et al, 1984 (a)
Omitting Elrod et al, 1997 (a)
Omitting Peskind et al, 1995
Omitting Tohgi et al, 1992
Omitting Martignoni et al, 1992 (b)
Omitting Martignoni et al, 1991
Omitting Janssens et al, 2018 (b) ...
−0.18 [−0.65;0.29] ; I2=0.77
−0.15 [−0.74;0.44] ; I2=0.76
−0.12 [−0.74;0.49] ; I2=0.78
−0.12 [−0.73;0.50] ; I2=0.79
−0.06 [−0.68;0.57] ; I2=0.81
0.03 [−0.67;0.61] ; I2=0.81
0.02 [−0.65;0.61] ; I2=0.81
0.02 [−0.65;0.61] ; I2=0.81
0.01 [−0.60;0.63] ; I2=0.80
0.03 [−0.55;0.62] ; I2=0.79
0.06 [−0.51;0.62] ; I2=0.71
−0.5
0.0
0.5
1.0
Effect Size (Random−Effects Model)

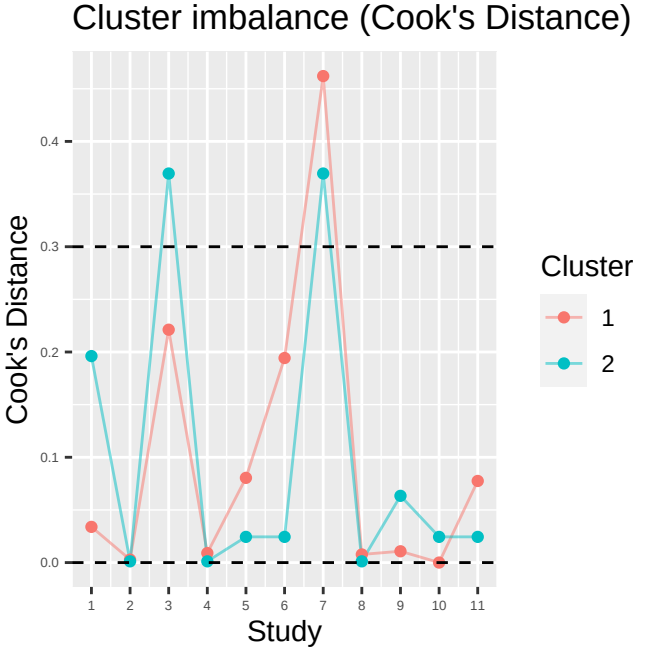

Sorted by I−squared
Omitting Janssens et al, 2018 (b) ...
Omitting Stefani et al, 2015
Omitting Raskind et al, 1984 (b) ...
Omitting Elrod et al, 1997 (b)
Omitting Kay et al, 1986
Omitting Martignoni et al, 1991
Omitting Martignoni et al, 1992 (b)
Omitting Raskind et al, 1984 (a)
Omitting Tohgi et al, 1992
Omitting Peskind et al, 1995
Omitting Elrod et al, 1997 (a)
I2=0.71; 0.06 [−0.51;0.62]
I2=0.76; −0.15 [−0.74;0.44]
I2=0.77; −0.18 [−0.65;0.29]
I2=0.78; −0.12 [−0.74;0.49]
I2=0.79; −0.12 [−0.73;0.50]
I2=0.79; 0.03 [−0.55;0.62]
I2=0.80; 0.01 [−0.60;0.63]
I2=0.81; −0.06 [−0.68;0.57]
I2=0.81; −0.02 [−0.65;0.61]
I2=0.81; −0.02 [−0.65;0.61]
I2=0.81; −0.03 [−0.67;0.61]
−0.5
0.0
0.5
1.0
Effect Size (Random−Effects Model)

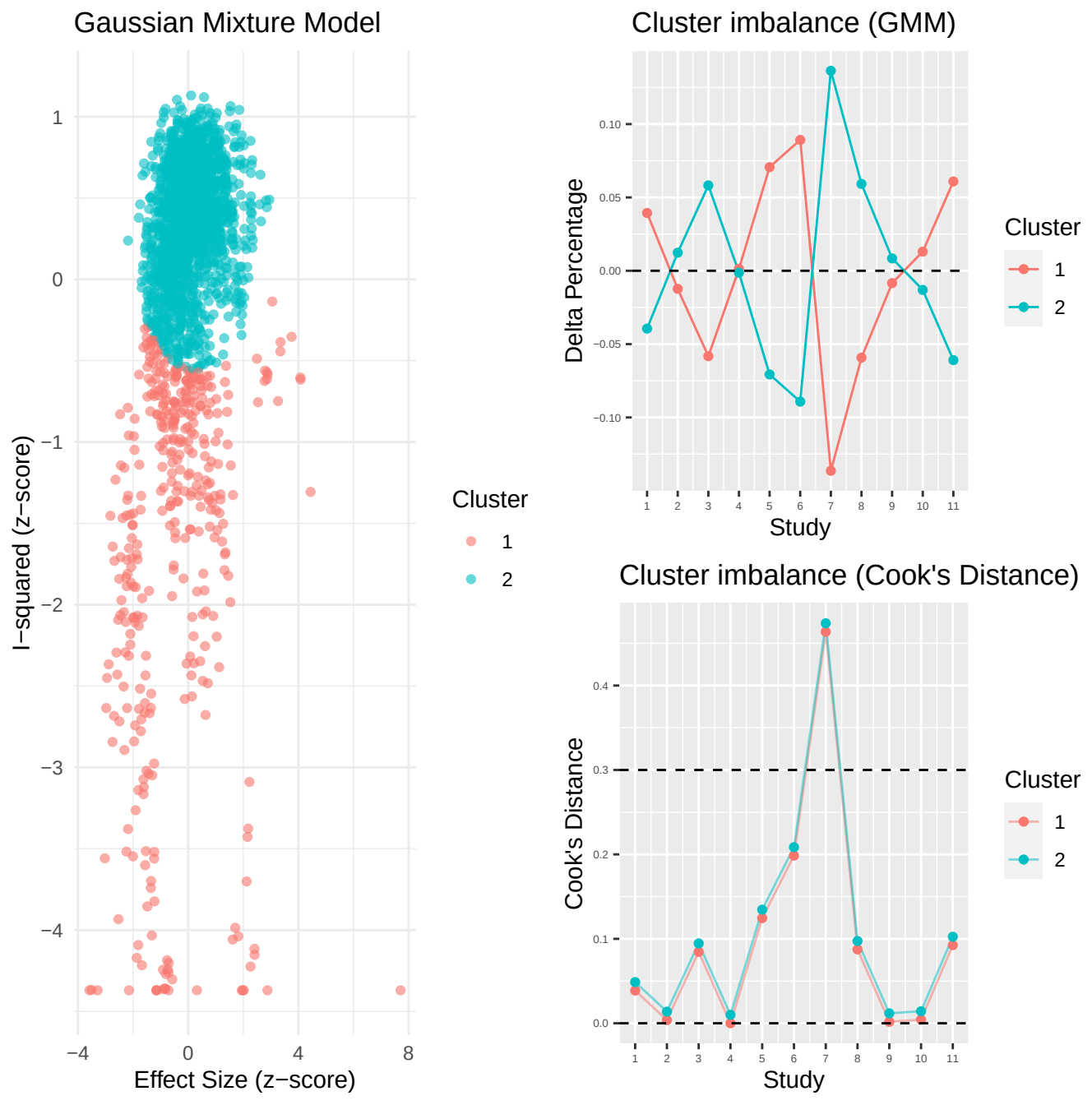

100
80
60
40
20
0
I^2
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
Overall Estimate

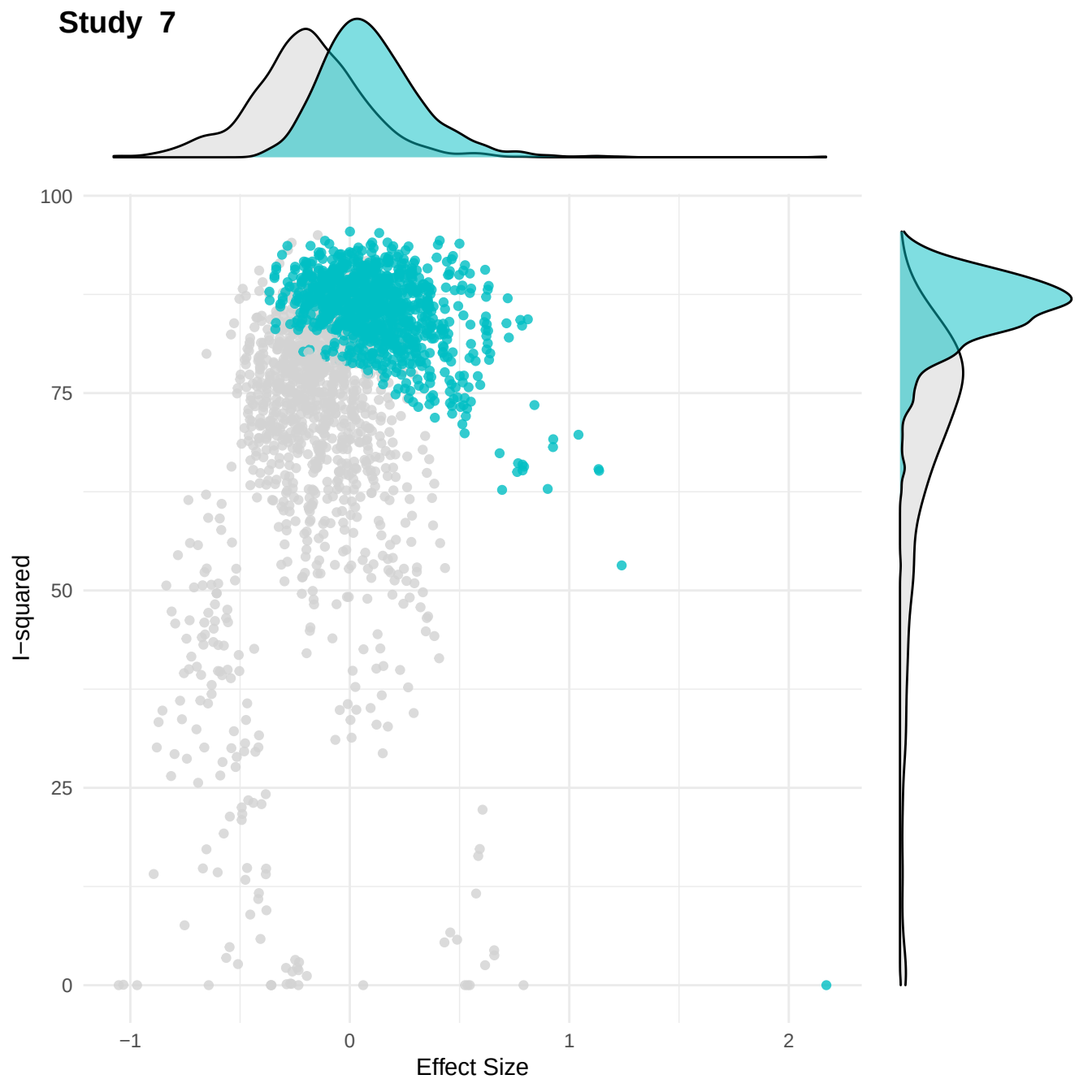

K−means Algorithm
I−squared (z−score)
Effect Size (z−score)
cluster
1
2
3
Cluster imbalance (K−Means algorithm)
Delta Percentage
Study
Cluster
Cluster imbalance (Cook's Distance)
Cook's Distance
Study
Cluster

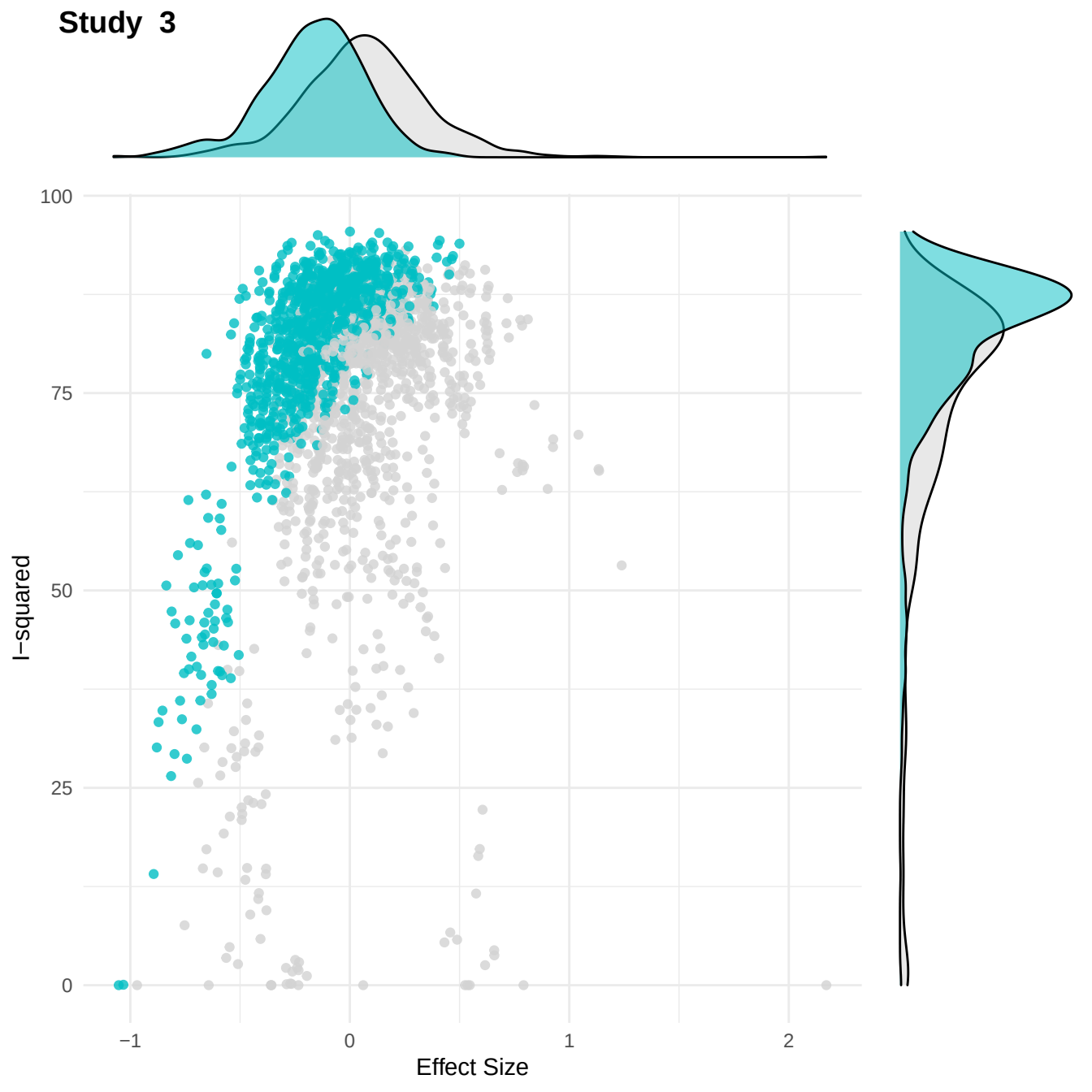

DBSCAN Algorithm (black dots are ou
I−squared (z−score)
Effect Size (z−score)
cluster
1
2


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)
Cluster
1
2
Cluster imbalance (GMM)
Delta Percentage
Study
Cluster
1
2
Cluster imbalance (Cook's Distance)
Cook's Distance
Study
Cluster
1
2


Study 7
100
75
50
25
0
I−squared
−1
0
1
2
Effect Size


Study 3
100
75
50
25
0
I−squared
−1
0
1
2
Effect Size