

This page presents all results from the reverse scenarios. Included are the results for each of the 8 different combinations of SD and ME using betas estimated from a training set of 5,000 obs. Only the random matrix fill method is shown.

TABLE 1 Reverse, SD=0, ME=0, est betas

| | Linreg | MSS | LRSOE | MiniCov | Mini |
|-------------|--------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------------------------------------|--------------------------------------------------|
| Sensitivity | 94.7% (93.8%, 95.5%) | 95% (94.1%, 95.7%) | 96.2% (95.5%, 96.9%) | 100% (99.9%, 100%) | 100% (99.9%, 100%) |
| Efficiency | 65% (64.5%, 65.4%) 66% (60%, 71%) 29%, 79% | 70.1% (69.7%, 70.5%) 71% (67%, 74%) 50%, 79% | 62.9% (62.5%, 63.3%) 65% (57%, 70%) 23%, 79% | 41% (40.6%, 41.5%) 40% (30%, 50%) 1%, 80% | 61% (60.6%, 61.4%) 62% (54%, 69%) 27%, 88% |
| Rounds | 5.4 (5.2, 5.5) 5 (4, 6) 2, 12 | 3.6 (3.6, 3.7) 4 (3, 4) 2, 8 | 3.8 (3.7, 3.9) 4 (3, 4) 2, 6 | 11 (11, 11) 11 (11, 11) 11, 11 | 9.9 (9.8, 10) 10 (9, 11) 3, 11 |

TABLE 2 Reverse, SD=0, ME=0.25, est betas

| | Linreg | MSS | LRSOE | MiniCov | Mini |
|-------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|
| Sensitivity | 82.9% (81.4%, 84.2%) | 82% (80.6%, 83.4%) | 84.7% (83.3%, 86%) | 95.8% (95%, 96.5%) | 94.5% (93.7%, 95.3%) |
| Efficiency | 61.8% (61.4%, 62.3%) 63% (55%, 70%) 18%, 79% | 65.1% (64.7%, 65.5%) 67% (59%, 72%) 29%, 79% | 59.7% (59.3%, 60.2%) 61% (53%, 68%) 14%, 79% | 35.9% (35.4%, 36.3%) 35% (22.8%, 50%) -10%, 80% | 49.3% (48.9%, 49.8%) 50% (40%, 58%) 9%, 85% |
| Rounds | 6.5 (6.3, 6.7) 6 (5, 8) 2, 16 | 4.8 (4.7, 5) 5 (3, 6) 2, 12 | 4.4 (4.3, 4.5) 4 (4, 5) 2, 8 | 11 (11, 11) 11 (11, 11) 11, 11 | 10.8 (10.8, 10.9) 11 (11, 11) 4, 11 |

TABLE 3 Reverse, SD=0, ME=0.5, est betas

| | Linreg | MSS | LRSOE | MiniCov | Mini |
|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Sensitivity | | | | | |
| Mean (95% CI) | 77.2% (75.5%, 78.7%) | 76.3% (74.7%, 77.9%) | 78.7% (77.2%, 80.2%) | 93.6% (92.6%, 94.5%) | 91.8% (90.7%, 92.7%) |
| Efficiency | | | | | |
| Mean (95% CI) | 59.8% (59.4%, 60.2%) | 62.5% (62.1%, 63%) | 57.7% (57.3%, 58.1%) | 31.5% (31.1%, 31.9%) | 43.3% (42.9%, 43.8%) |
| Median (Q1, Q3) | 61% (52%, 68%) | 64.5% (56%, 70%) | 59% (50%, 67%) | 30% (20%, 41%) | 43% (34%, 53%) |
| Min, Max | 19%, 79% | 16%, 79% | 13%, 79% | -10%, 80% | 1%, 84% |
| Rounds | | | | | |
| Mean (95% CI) | 7.3 (7.1, 7.5) | 5.4 (5.2, 5.6) | 4.9 (4.7, 5) | 11 (11, 11) | 10.9 (10.9, 11) |
| Median (Q1, Q3) | 7 (5, 9) | 5 (4, 7) | 5 (4, 6) | 11 (11, 11) | 11 (11, 11) |
| Min, Max | 2, 15 | 2, 14 | 2, 9 | 11, 11 | 4, 11 |

TABLE 4 Reverse, SD=0, ME=0.75, est betas

| | Linreg | MSS | LRSOE | MiniCov | Mini |
|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Sensitivity | | | | | |
| Mean (95% CI) | 72.8% (71.1%, 74.5%) | 71.6% (69.9%, 73.3%) | 73.9% (72.2%, 75.5%) | 91.4% (90.3%, 92.5%) | 90.2% (89%, 91.3%) |
| Efficiency | | | | | |
| Mean (95% CI) | 58.5% (58%, 58.9%) | 61.2% (60.7%, 61.6%) | 56.4% (56%, 56.9%) | 28.4% (28%, 28.8%) | 39.7% (39.3%, 40.2%) |
| Median (Q1, Q3) | 59% (51%, 67%) | 63% (55%, 70%) | 58.5% (49%, 66%) | 30% (20%, 40%) | 40% (30%, 50%) |
| Min, Max | 14%, 79% | 16%, 78% | 11%, 78% | -10%, 70% | 0%, 82% |
| Rounds | | | | | |
| Mean (95% CI) | 7.8 (7.5, 8) | 5.7 (5.5, 5.9) | 5.1 (4.9, 5.2) | 11 (11, 11) | 11 (10.9, 11) |
| Median (Q1, Q3) | 8 (6, 9) | 6 (4, 7) | 5 (4, 6) | 11 (11, 11) | 11 (11, 11) |
| Min, Max | 2, 17 | 2, 15 | 2, 10 | 11, 11 | 4, 11 |

TABLE 5 Reverse, SD=1.0, ME=0.05, est betas

| | Linreg | MSS | LRSOE | MiniCov | Mini |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Sensitivity | 94.3% (93.4%, 95.1%) | 93.4% (92.4%, 94.3%) | 95% (94.1%, 95.7%) | 98.9% (98.4%, 99.2%) | 98.8% (98.3%, 99.1%) |
| Efficiency | 63.4% (63%, 63.9%) | 67.7% (67.3%, 68.1%) | 62.1% (61.6%, 62.5%) | 43.3% (42.9%, 43.8%) | 55.6% (55.2%, 56%) |
| | 65% (57%, 71%) | 70% (63.7%, 73%) | 64% (56%, 70%) | 44% (32%, 52.2%) | 56% (47.8%, 64%) |
| | 27%, 80% | 35%, 80% | 22%, 80% | 2%, 83% | 17%, 87% |
| Rounds | 6 (5.8, 6.2) | 4.2 (4, 4.3) | 4.1 (4, 4.2) | 11 (10.9, 11) | 10.6 (10.5, 10.7) |
| | 6 (5, 7) | 4 (3, 5) | 4 (3, 5) | 11 (11, 11) | 11 (11, 11) |
| | 1, 14 | 1, 11 | 1, 8 | 6, 11 | 3, 11 |

TABLE 6 Reverse, SD=1.0, ME=0.12, est betas

| | Linreg | MSS | LRSOE | MiniCov | Mini |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Sensitivity | 91.3% (90.2%, 92.3%) | 89.5% (88.3%, 90.6%) | 91.8% (90.7%, 92.8%) | 97.5% (96.9%, 98.1%) | 97.2% (96.6%, 97.8%) |
| Efficiency | 61.8% (61.4%, 62.3%) | 65.8% (65.4%, 66.3%) | 60.9% (60.5%, 61.3%) | 41.6% (41.2%, 42%) | 52.2% (51.8%, 52.6%) |
| | 63% (55.8%, 70%) | 68% (61.7%, 73%) | 62% (54%, 69%) | 41.5% (31%, 51%) | 52% (44%, 62%) |
| | 21%, 80% | 31%, 80% | 23%, 80% | 2%, 80% | 15%, 87% |
| Rounds | 6.6 (6.4, 6.8) | 4.6 (4.5, 4.8) | 4.4 (4.3, 4.5) | 11 (11, 11) | 10.8 (10.7, 10.9) |
| | 6 (5, 8) | 4 (3, 6) | 4 (3, 5) | 11 (11, 11) | 11 (11, 11) |
| | 1, 15 | 1, 12 | 1, 9 | 7, 11 | 4, 11 |

TABLE 7 Reverse, SD=1.0, ME=0.25, est betas

| | Linreg | MSS | LRSOE | MiniCov | Mini |
|-----------------|----------------------|----------------------|----------------------|----------------------|--------------------|
| Sensitivity | | | | | |
| Mean (95% CI) | 86.5% (85.2%, 87.7%) | 84.6% (83.3%, 85.9%) | 87.3% (86.1%, 88.5%) | 95.1% (94.2%, 95.8%) | 94.8% (94%, 95.6%) |
| Efficiency | | | | | |
| Mean (95% CI) | 60.3% (59.9%, 60.7%) | 63.8% (63.4%, 64.2%) | 59.5% (59.1%, 60%) | 38.8% (38.4%, 39.2%) | 47.6% (47.1%, 48%) |
| Median (Q1, Q3) | 62% (53%, 69%) | 66% (58%, 72%) | 61% (53%, 68%) | 40% (30%, 50%) | 48% (38%, 57%) |
| Min, Max | 15%, 80% | 23%, 80% | 17%, 80% | -1%, 80% | 3%, 86% |
| Rounds | | | | | |
| Mean (95% CI) | 7.1 (6.9, 7.4) | 5.1 (4.9, 5.3) | 4.7 (4.6, 4.8) | 11 (11, 11) | 10.9 (10.8, 10.9) |
| Median (Q1, Q3) | 7 (5, 9) | 5 (3, 6) | 5 (4, 6) | 11 (11, 11) | 11 (11, 11) |
| Min, Max | 1, 18 | 1, 14 | 1, 8 | 11, 11 | 4, 11 |

TABLE 8 Reverse, SD=1.0, ME=0.5, est betas

| | Linreg | MSS | LRSOE | MiniCov | Mini |
|-----------------|----------------------|--------------------|----------------------|----------------------|----------------------|
| Sensitivity | | | | | |
| Mean (95% CI) | 76% (74.5%, 77.5%) | 74% (72.5%, 75.5%) | 76.3% (74.8%, 77.8%) | 89.2% (88.1%, 90.3%) | 88.7% (87.6%, 89.8%) |
| Efficiency | | | | | |
| Mean (95% CI) | 58.3% (57.8%, 58.7%) | 61% (60.6%, 61.4%) | 57.4% (57%, 57.8%) | 33.8% (33.4%, 34.2%) | 42.2% (41.7%, 42.6%) |
| Median (Q1, Q3) | 60% (51%, 68%) | 63% (54%, 70%) | 59% (50%, 67%) | 33% (23%, 43%) | 42% (33%, 52%) |
| Min, Max | 13%, 80% | 15%, 80% | 19%, 80% | -2%, 80% | 2%, 83% |
| Rounds | | | | | |
| Mean (95% CI) | 7.9 (7.6, 8.1) | 5.7 (5.5, 5.9) | 5 (4.9, 5.1) | 11 (11, 11) | 11 (10.9, 11) |
| Median (Q1, Q3) | 8 (6, 10) | 6 (4, 7) | 5 (4, 6) | 11 (11, 11) | 11 (11, 11) |
| Min, Max | 1, 18 | 1, 15 | 1, 9 | 11, 11 | 6, 11 |

