This page presents all results from the no binary variable 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** No binary, SD=0, ME=0, est betas

| | | Linreg | MSS | LRSOE | MiniCov | Mini |
|---|---|---|---|---|---|---|
| Sensitivity | Mean (95% CI) | 93.9% (92.9%, 94.7%) | 95% (94.1%, 95.7%) | 95.5% (94.6%, 96.2%) | 100% (99.9%, 100%) | 100% (99.9%, 100%) |
| Efficiency | Mean (95% CI) | 70.2% (69.8%, 70.6%) | 70.1% (69.7%, 70.5%) | 68.7% (68.3%, 69.1%) | 68.7% (68.3%, 69.1%) | 61% (60.6%, 61.4%) |
| | Median (Q1, Q3) | 71% (67%, 74%) | 71% (67%, 74%) | 70% (66%, 73%) | 69% (63%, 75%) | 62% (54%, 69%) |
| | Min, Max | 50%, 79% | 50%, 79% | 46%, 79% | 42%, 88% | 27%, 88% |
| Rounds | Mean (95% CI) | 4.3 (4.2, 4.4) | 3.6 (3.6, 3.7) | 2.9 (2.9, 3) | 7.6 (7.4, 7.7) | 9.9 (9.8, 10) |
| | Median (Q1, Q3) | 4 (4, 5) | 4 (3, 4) | 3 (3, 3) | 8 (7, 9) | 10 (9, 11) |
| | Min, Max | 2, 9 | 2, 8 | 2, 5 | 2, 11 | 3, 11 |

**TABLE 2** No binary, SD=0, ME=0.25, est betas

| | | Linreg | MSS | LRSOE | MiniCov | Mini |
|---|---|---|---|---|---|---|
| Sensitivity | Mean (95% CI) | 83.2% (81.8%, 84.6%) | 82% (80.6%, 83.4%) | 84.3% (82.9%, 85.6%) | 92.5% (91.4%, 93.4%) | 94.5% (93.7%, 95.3%) |
| Efficiency | Mean (95% CI) | 64.9% (64.5%, 65.4%) | 65.1% (64.7%, 65.5%) | 64.4% (63.9%, 64.8%) | 51.7% (51.3%, 52.2%) | 49.3% (48.9%, 49.8%) |
| | Median (Q1, Q3) | 66% (60%, 72%) | 67% (59%, 72%) | 66% (59%, 71%) | 52% (43%, 60.2%) | 50% (40%, 58%) |
| | Min, Max | 23%, 79% | 29%, 79% | 27%, 79% | 13%, 80% | 9%, 85% |
| Rounds | Mean (95% CI) | 6.1 (5.9, 6.2) | 4.8 (4.7, 5) | 4.1 (4, 4.2) | 10.8 (10.7, 10.9) | 10.8 (10.8, 10.9) |
| | Median (Q1, Q3) | 6 (5, 7) | 5 (3, 6) | 4 (3, 5) | 11 (11, 11) | 11 (11, 11) |
| | Min, Max | 2, 15 | 2, 12 | 2, 9 | 6, 11 | 4, 11 |

**TABLE 3** No binary, SD=0, ME=0.5, est betas

| | | Linreg | MSS | LRSOE | MiniCov | Mini |
|---|---|---|---|---|---|---|
| Sensitivity | Mean (95% CI) | 78.5% (76.9%, 80%) | 76.3% (74.7%, 77.9%) | 80.1% (78.6%, 81.6%) | 90% (88.8%, 91%) | 91.8% (90.7%, 92.7%) |
| Efficiency | Mean (95% CI) | 62% (61.6%, 62.4%) | 62.5% (62.1%, 63%) | 61.7% (61.2%, 62.1%) | 44.5% (44.1%, 45%) | 43.3% (42.9%, 43.8%) |
| | Median (Q1, Q3) | 63% (55%, 70%) | 64.5% (56%, 70%) | 63% (55%, 70%) | 45% (34%, 54%) | 43% (34%, 53%) |
| | Min, Max | 20%, 79% | 16%, 79% | 24%, 79% | 7%, 80% | 1%, 84% |
| Rounds | Mean (95% CI) | 7.1 (6.9, 7.3) | 5.4 (5.2, 5.6) | 4.7 (4.6, 4.9) | 10.9 (10.9, 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 | 6, 11 | 4, 11 |

**TABLE 4** No binary, SD=0, ME=0.75, est betas

| | | Linreg | MSS | LRSOE | MiniCov | Mini |
|---|---|---|---|---|---|---|
| Sensitivity | Mean (95% CI) | 74.1% (72.5%, 75.7%) | 71.6% (69.9%, 73.3%) | 75.5% (73.9%, 77.1%) | 88.5% (87.2%, 89.6%) | 90.2% (89%, 91.3%) |
| Efficiency | Mean (95% CI) | 60.5% (60.1%, 61%) | 61.2% (60.7%, 61.6%) | 60% (59.5%, 60.4%) | 40.5% (40.1%, 41%) | 39.7% (39.3%, 40.2%) |
| | Median (Q1, Q3) | 61% (54%, 69%) | 63% (55%, 70%) | 61% (53%, 68%) | 41% (31%, 50%) | 40% (30%, 50%) |
| | Min, Max | 20%, 79% | 16%, 78% | 24%, 78% | 0%, 79% | 0%, 82% |
| Rounds | Mean (95% CI) | 7.6 (7.4, 7.8) | 5.7 (5.5, 5.9) | 5 (4.9, 5.1) | 11 (10.9, 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, 16 | 2, 15 | 2, 9 | 6, 11 | 4, 11 |

**TABLE 5** No binary, SD=1.0, ME=0.05, est betas

| | | Linreg | MSS | LRSOE | MiniCov | Mini |
|---|---|---|---|---|---|---|
| Sensitivity | Mean (95% CI) | 94.1% (93.1%, 94.9%) | 93.4% (92.4%, 94.3%) | 94.6% (93.7%, 95.4%) | 98.8% (98.3%, 99.2%) | 98.8% (98.3%, 99.1%) |
| Efficiency | Mean (95% CI) | 66% (65.6%, 66.4%) | 67.7% (67.3%, 68.1%) | 66.2% (65.7%, 66.6%) | 57.8% (57.4%, 58.2%) | 55.6% (55.2%, 56%) |
| | Median (Q1, Q3) | 67% (62%, 72%) | 70% (63.7%, 73%) | 68% (62%, 72%) | 58% (50%, 67%) | 56% (47.8%, 64%) |
| | Min, Max | 28%, 80% | 35%, 80% | 34%, 80% | 19%, 89% | 17%, 87% |
| Rounds | Mean (95% CI) | 5.6 (5.4, 5.8) | 4.2 (4, 4.3) | 3.6 (3.5, 3.7) | 10.4 (10.3, 10.6) | 10.6 (10.5, 10.7) |
| | Median (Q1, Q3) | 5 (4, 6.25) | 4 (3, 5) | 3 (3, 4) | 11 (11, 11) | 11 (11, 11) |
| | Min, Max | 1, 16 | 1, 11 | 1, 8 | 2, 11 | 3, 11 |

**TABLE 6** No binary, SD=1.0, ME=0.12, est betas

| | | Linreg | MSS | LRSOE | MiniCov | Mini |
|---|---|---|---|---|---|---|
| Sensitivity | Mean (95% CI) | 90.5% (89.4%, 91.6%) | 89.5% (88.3%, 90.6%) | 91.5% (90.4%, 92.5%) | 97.4% (96.8%, 98%) | 97.2% (96.6%, 97.8%) |
| Efficiency | Mean (95% CI) | 64.1% (63.7%, 64.5%) | 65.8% (65.4%, 66.3%) | 64.6% (64.2%, 65%) | 54.2% (53.7%, 54.6%) | 52.2% (51.8%, 52.6%) |
| | Median (Q1, Q3) | 66% (59%, 71.2%) | 68% (61.7%, 73%) | 66% (60%, 71%) | 55% (46%, 63%) | 52% (44%, 62%) |
| | Min, Max | 28%, 80% | 31%, 80% | 27%, 80% | 17%, 89% | 15%, 87% |
| Rounds | Mean (95% CI) | 6.2 (6, 6.4) | 4.6 (4.5, 4.8) | 4 (3.9, 4.1) | 10.7 (10.6, 10.8) | 10.8 (10.7, 10.9) |
| | Median (Q1, Q3) | 6 (5, 7) | 4 (3, 6) | 4 (3, 5) | 11 (11, 11) | 11 (11, 11) |
| | Min, Max | 1, 16 | 1, 12 | 1, 8 | 2, 11 | 4, 11 |

**TABLE 7** No binary, SD=1.0, ME=0.25, est betas

| | | Linreg | MSS | LRSOE | MiniCov | Mini |
|---|---|---|---|---|---|---|
| Sensitivity | Mean (95% CI) | 86.4% (85.1%, 87.6%) | 84.6% (83.3%, 85.9%) | 86.6% (85.3%, 87.8%) | 94.7% (93.8%, 95.5%) | 94.8% (94%, 95.6%) |
| Efficiency | Mean (95% CI) | 61.9% (61.5%, 62.3%) | 63.8% (63.4%, 64.2%) | 62.8% (62.4%, 63.3%) | 49.4% (49%, 49.8%) | 47.6% (47.1%, 48%) |
| | Median (Q1, Q3) | 64% (56%, 70%) | 66% (58%, 72%) | 65% (57%, 70%) | 50% (41%, 58%) | 48% (38%, 57%) |
| | Min, Max | 24%, 80% | 23%, 80% | 22%, 80% | 10%, 88% | 3%, 86% |
| Rounds | Mean (95% CI) | 6.9 (6.7, 7.1) | 5.1 (4.9, 5.3) | 4.4 (4.3, 4.6) | 10.9 (10.8, 10.9) | 10.9 (10.8, 10.9) |
| | Median (Q1, Q3) | 7 (5, 8) | 5 (3, 6) | 4 (3, 5) | 11 (11, 11) | 11 (11, 11) |
| | Min, Max | 1, 16 | 1, 14 | 1, 9 | 2, 11 | 4, 11 |

**TABLE 8** No binary, SD=1.0, ME=0.5, est betas

| | | Linreg | MSS | LRSOE | MiniCov | Mini |
|---|---|---|---|---|---|---|
| Sensitivity | Mean (95% CI) | 75.9% (74.4%, 77.3%) | 74% (72.5%, 75.5%) | 75.8% (74.3%, 77.3%) | 89.2% (88.1%, 90.3%) | 88.7% (87.6%, 89.8%) |
| Efficiency | Mean (95% CI) | 59.5% (59%, 59.9%) | 61% (60.6%, 61.4%) | 60.4% (59.9%, 60.8%) | 43.8% (43.4%, 44.3%) | 42.2% (41.7%, 42.6%) |
| | Median (Q1, Q3) | 61% (52%, 69%) | 63% (54%, 70%) | 62% (54%, 69%) | 44% (34%, 53%) | 42% (33%, 52%) |
| | Min, Max | 13%, 80% | 15%, 80% | 20%, 80% | 1%, 80% | 2%, 83% |
| Rounds | Mean (95% CI) | 7.8 (7.5, 8) | 5.7 (5.5, 5.9) | 4.9 (4.8, 5) | 11 (10.9, 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 | 1, 21 | 1, 15 | 1, 10 | 6, 11 | 6, 11 |