

This page presents all results from the low tier of the Hypred in the Reverse scenario. 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 Hypred low Tier, Reverse, SD=0 ME=0, est betas

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	98.6% (98.2%, 99%)	96.2% (95.4%, 96.8%)	98.9% (98.4%, 99.2%)	100% (99.9%, 100%)	100% (99.9%, 100%)
Efficiency					
Mean (95% CI)	47.2% (46.6%, 47.8%)	58% (57.4%, 58.5%)	41.9% (41.4%, 42.5%)	22% (21.5%, 22.5%)	43.7% (43.1%, 44.3%)
Median (Q1, Q3)	48% (45%, 50%)	59% (55%, 61%)	43% (38.7%, 46%)	22% (20%, 29%)	44% (40%, 48%)
Min, Max	29%, 57%	40%, 67%	22%, 55%	-10%, 40%	17%, 61%
Rounds					
Mean (95% CI)	9.1 (9, 9.2)	6.1 (5.9, 6.2)	5.1 (5, 5.2)	11 (11, 11)	11 (10.9, 11)
Median (Q1, Q3)	9 (9, 9)	6 (5, 7)	5 (5, 6)	11 (11, 11)	11 (11, 11)
Min, Max	7, 12	4, 10	4, 6	11, 11	9, 11

TABLE 2 Hypred low Tier, Reverse, SD=0 ME=0.25, est betas

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	74.6% (73.1%, 76.1%)	73.2% (71.7%, 74.7%)	75.6% (74%, 77%)	97.5% (96.9%, 98%)	93.9% (93%, 94.7%)
Efficiency					
Mean (95% CI)	40% (39.5%, 40.6%)	49.7% (49.2%, 50.3%)	35% (34.5%, 35.6%)	4.8% (4.6%, 5.1%)	41.3% (40.7%, 41.8%)
Median (Q1, Q3)	36% (29%, 48%)	46% (39%, 58.2%)	30.5% (21%, 46.2%)	0% (-9%, 3%)	38% (33%, 42%)
Min, Max	13%, 80%	33%, 80%	5%, 80%	-9%, 90%	24%, 90%
Rounds					
Mean (95% CI)	11.3 (10.8, 11.7)	7.8 (7.5, 8.1)	6 (5.8, 6.1)	11 (10.9, 11)	10.6 (10.4, 10.8)
Median (Q1, Q3)	12 (9, 14)	8 (6, 10)	6 (5, 7)	11 (11, 11)	11 (11, 11)
Min, Max	1, 17	1, 11	1, 11	1, 11	1, 11

TABLE 3 Hypred low Tier, Reverse, SD=0 ME=0.5, est betas

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	72.6% (71.1%, 74.1%)	74.1% (72.6%, 75.6%)	72.1% (70.6%, 73.7%)	88.8% (87.7%, 89.9%)	87.1% (85.9%, 88.2%)
Efficiency	36.2% (35.6%, 36.7%)	44.3% (43.7%, 44.9%)	31.3% (30.8%, 31.8%)	1.6% (1.5%, 1.7%)	31.4% (30.9%, 31.9%)
	31% (25%, 43%)	41% (32%, 51%)	27% (18%, 38%)	1% (-8%, 2%)	27% (17%, 39%)
	14%, 80%	19%, 80%	4%, 80%	-9%, 83%	9%, 88%
Rounds	11.9 (11.5, 12.3)	8.7 (8.4, 9)	6.4 (6.2, 6.6)	11 (11, 11)	10.8 (10.6, 10.9)
	13 (11, 14)	9 (8, 11)	7 (6, 8)	11 (11, 11)	11 (11, 11)
	1, 17	1, 14	1, 10	8, 11	3, 11
	Min, Max				

TABLE 4 Hypred low Tier, Reverse, SD=0 ME=0.75, est betas

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	67.5% (65.9%, 69%)	71.2% (69.7%, 72.8%)	70.9% (69.3%, 72.4%)	81.1% (79.7%, 82.4%)	81.1% (79.7%, 82.4%)
Efficiency	33.9% (33.3%, 34.4%)	44.2% (43.7%, 44.8%)	28.5% (27.9%, 29%)	-0.5% (NaN%, NaN%)	26.9% (26.4%, 27.4%)
	27.5% (23%, 38.3%)	41% (36%, 50%)	22% (17%, 36%)	-5% (-6%, 2%)	25% (20%, 25%)
	12%, 80%	25%, 80%	3%, 80%	-8%, 80%	15%, 88%
Rounds	12.6 (12.2, 12.9)	9 (8.8, 9.3)	6.9 (6.7, 7.1)	11 (11, 11)	10.8 (10.7, 10.9)
	14 (12, 14)	10 (8, 11)	7 (6, 8)	11 (11, 11)	11 (11, 11)
	1, 18	1, 13	1, 10	11, 11	3, 11
	Min, Max				

TABLE 5 Hypred low Tier, Reverse, SD=1 ME=0.05, est betas

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	89.4% (88.2%, 90.6%)	92.2% (91.1%, 93.2%)	98.7% (98.2%, 99.1%)	97.8% (97.2%, 98.3%)
Efficiency	Mean (95% CI)	56.9% (56.3%, 57.4%)	46% (45.4%, 46.5%)	22.5% (22.1%, 23%)	44.2% (43.6%, 44.7%)
	Median (Q1, Q3)	59% (51%, 66%)	46% (37%, 55%)	22% (12%, 30.2%)	43.5% (35.8%, 51.2%)
	Min, Max	9%, 80%	6%, 80%	-10%, 80%	9%, 82%
Rounds	Mean (95% CI)	6.4 (6.1, 6.7)	5.3 (5.1, 5.4)	11 (11, 11)	10.8 (10.7, 10.8)
	Median (Q1, Q3)	6 (4, 8)	5 (4, 6)	11 (11, 11)	11 (11, 11)
	Min, Max	1, 16	1, 9	11, 11	4, 11

TABLE 6 Hypred low Tier, Reverse, SD=1 ME=0.12, est betas

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	84.9% (83.5%, 86.2%)	88.5% (87.3%, 89.7%)	97.3% (96.6%, 97.9%)	95.8% (94.9%, 96.5%)
Efficiency	Mean (95% CI)	53.5% (53%, 54.1%)	44% (43.5%, 44.6%)	20.8% (20.3%, 21.2%)	40.9% (40.3%, 41.4%)
	Median (Q1, Q3)	55% (47%, 62%)	44.5% (36%, 53%)	21% (11%, 27.3%)	40% (33%, 48%)
	Min, Max	7%, 78%	3%, 78%	-10%, 77%	3%, 79%
Rounds	Mean (95% CI)	7.1 (6.8, 7.4)	5.7 (5.6, 5.9)	11 (11, 11)	10.9 (10.8, 10.9)
	Median (Q1, Q3)	7 (5, 8.25)	6 (5, 7)	11 (11, 11)	11 (11, 11)
	Min, Max	2, 16	2, 9	11, 11	5, 11

TABLE 7 Hypred low Tier, Reverse, SD=1 ME=0.25, est betas

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	82.1% (80.6%, 83.5%)	79.6% (78.1%, 81.1%)	83.9% (82.6%, 85.3%)	94.3% (93.4%, 95.1%)	92.8% (91.8%, 93.7%)
Efficiency	43.8% (43.3%, 44.4%)	50.6% (50%, 51.1%)	42.3% (41.7%, 42.8%)	17.9% (17.4%, 18.3%)	36.7% (36.1%, 37.2%)
	45% (36%, 52.2%)	53% (43%, 60%)	43% (34%, 51%)	16% (10%, 24%)	36% (28.7%, 44%)
	1%, 79%	5%, 77%	-2%, 77%	-10%, 72%	2%, 77%
Rounds	10.8 (10.4, 11.2)	7.8 (7.5, 8.1)	5.9 (5.8, 6.1)	11 (11, 11)	10.9 (10.9, 11)
	11 (9, 13)	7.5 (6, 9)	6 (5, 7)	11 (11, 11)	11 (11, 11)
	2, 22	2, 17	2, 10	11, 11	6, 11

TABLE 8 Hypred low Tier, Reverse, SD=1 ME=0.5, est betas

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	74.2% (72.6%, 75.7%)	72.3% (70.8%, 73.9%)	76.2% (74.7%, 77.7%)	89.2% (88.1%, 90.3%)	87% (85.7%, 88.1%)
Efficiency	41.1% (40.6%, 41.7%)	47% (46.4%, 47.6%)	39.2% (38.6%, 39.7%)	12.9% (12.6%, 13.3%)	31.9% (31.4%, 32.5%)
	42% (32%, 51%)	48% (38%, 57.2%)	40.5% (30%, 48%)	11.5% (4%, 20%)	30% (23%, 40%)
	3%, 79%	5%, 76%	-1%, 77%	-10%, 62%	-3%, 74%
Rounds	11.6 (11.2, 11.9)	8.5 (8.2, 8.8)	6.2 (6.1, 6.4)	11 (11, 11)	11 (11, 11)
	11 (10, 13)	8 (7, 10)	6 (5, 7)	11 (11, 11)	11 (11, 11)
	2, 22	2, 17	2, 10	11, 11	10, 11

