

This page presents all results from the mid 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 Mid Tier, Reverse, SD=0 ME=0, est betas

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	1, 1	1, 1	1, 1	1, 1	1, 1

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

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	1, 1	1, 1	1, 1	1, 1	1, 1

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

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	1, 1	1, 1	1, 1	1, 1	1, 1

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

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	1, 1	1, 1	1, 1	1, 1	1, 1

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

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	89.8% (83.1%, 94.4%)	91.3% (85%, 95.6%)	96.9% (92.1%, 99.1%)	99.2% (95.7%, 100%)
Efficiency	Mean (95% CI)	78.5% (77.9%, 79.2%)	78.7% (78.1%, 79.4%)	83.5% (82.9%, 84.1%)	83.6% (83%, 84.1%)
	Median (Q1, Q3)	79% (79%, 80%)	79% (78%, 80%)	85% (80%, 90%)	85% (80%, 90%)
	Min, Max	73%, 80%	74%, 80%	62%, 90%	62%, 90%
Rounds	Mean (95% CI)	1.6 (1.5, 1.7)	1.6 (1.5, 1.7)	5.6 (5, 6.2)	5.6 (5, 6.2)
	Median (Q1, Q3)	2 (1, 2)	2 (1, 2)	6 (1, 9)	6 (1, 9)
	Min, Max	1, 4	1, 3	1, 11	1, 11

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

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	85.9% (78.7%, 91.4%)	85.2% (77.8%, 90.8%)	94.5% (89.1%, 97.8%)	93.8% (88.1%, 97.3%)
Efficiency	Mean (95% CI)	78.4% (77.8%, 79.1%)	78.7% (78%, 79.3%)	82.2% (81.6%, 82.8%)	82.5% (81.9%, 83.1%)
	Median (Q1, Q3)	79% (78%, 80%)	79% (78%, 80%)	83% (78%, 90%)	83% (79.2%, 90%)
	Min, Max	74%, 80%	74%, 80%	60%, 90%	60%, 90%
Rounds	Mean (95% CI)	1.6 (1.5, 1.7)	1.6 (1.5, 1.7)	6.1 (5.5, 6.8)	6.1 (5.5, 6.7)
	Median (Q1, Q3)	2 (1, 2)	2 (1, 2)	7 (1, 10)	7 (1, 10)
	Min, Max	1, 3	1, 4	1, 11	1, 11

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

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity					
Mean (95% CI)	64.6% (56.6%, 72%)	65.8% (57.9%, 73.2%)	67.1% (59.2%, 74.3%)	81.6% (74.7%, 87.3%)	84.2% (77.5%, 89.5%)
Efficiency					
Mean (95% CI)	78.7% (78.1%, 79.4%)	78.3% (77.6%, 78.9%)	78.6% (77.9%, 79.2%)	80.2% (79.6%, 80.9%)	80.6% (79.9%, 81.2%)
Median (Q1, Q3)	79% (78%, 80%)	79% (77%, 80%)	79% (77%, 80%)	80.5% (74%, 88%)	81% (75%, 87%)
Min, Max	72%, 80%	73%, 80%	73%, 80%	57%, 90%	60%, 90%
Rounds					
Mean (95% CI)	1.9 (1.7, 2.1)	1.6 (1.5, 1.7)	1.7 (1.6, 1.8)	7 (6.4, 7.6)	7 (6.4, 7.6)
Median (Q1, Q3)	2 (1, 2)	2 (1, 2)	2 (1, 2)	8 (3, 11)	8 (3.25, 11)
Min, Max	1, 5	1, 3	1, 4	1, 11	1, 11

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

	Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity					
Mean (95% CI)	35.1% (29.2%, 41.4%)	36.7% (30.7%, 43%)	36.7% (30.7%, 43%)	63.7% (57.4%, 69.7%)	61.7% (55.3%, 67.8%)
Efficiency					
Mean (95% CI)	78.6% (77.9%, 79.2%)	78% (77.4%, 78.7%)	78.4% (77.7%, 79%)	76.6% (75.9%, 77.3%)	77.4% (76.7%, 78%)
Median (Q1, Q3)	79% (78%, 80%)	79% (77%, 80%)	79% (77%, 80%)	77% (70%, 83%)	79% (70%, 84.7%)
Min, Max	71%, 80%	72%, 80%	72%, 80%	55%, 90%	57%, 90%
Rounds					
Mean (95% CI)	2.1 (1.9, 2.3)	1.7 (1.6, 1.8)	1.7 (1.6, 1.9)	8.4 (7.8, 9)	8 (7.4, 8.6)
Median (Q1, Q3)	2 (1, 3)	2 (1, 2)	2 (1, 2)	11 (7, 11)	10 (5, 11)
Min, Max	1, 6	1, 3	1, 5	1, 11	1, 11

