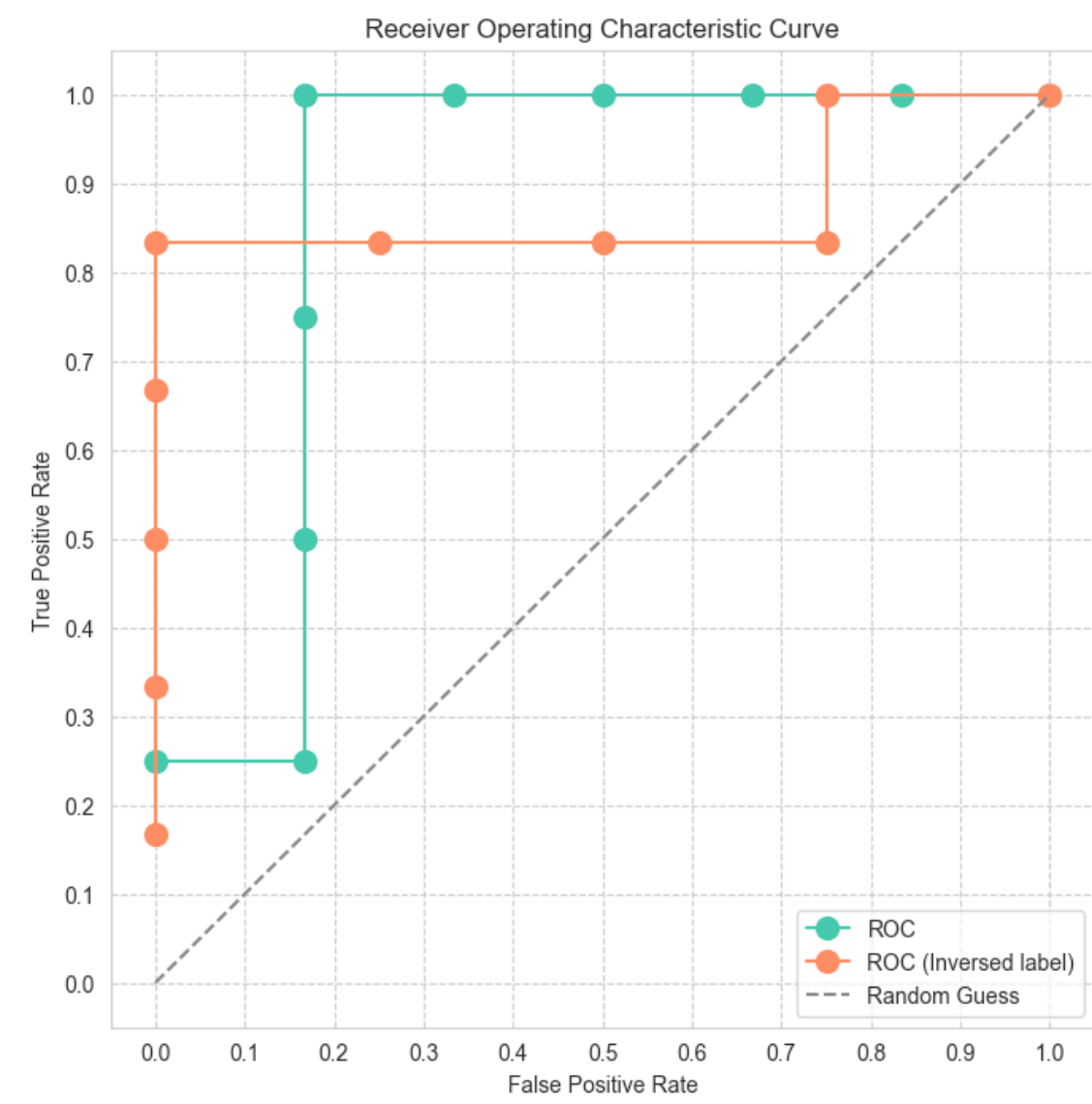


Ground Truth and Prediction Probability	ID	Original Labels		Inverted Labels	
		Ground Truth	Prediction Probability	Ground Truth	Prediction Probability
		(+)	0.99	(-)	0.01
		(-)	0.70	(+)	0.30
		(+)	0.38	(-)	0.62
		(+)	0.33	(-)	0.67
		(+)	0.26	(-)	0.74
		(-)	0.16	(+)	0.84
		(-)	0.15	(+)	0.85
		(-)	0.14	(+)	0.86
		(-)	0.12	(+)	0.88
		(-)	0.07	(+)	0.93

Confusion Matrixes		Original Labels @0.50	Inverted Labels @0.50				
Ground Truth	Predictions		Predictions		Predictions		
		(+)	(-)	(+)	(-)	(+)	(-)
	(+)	TP	FN	1	3	5	1
	(-)	FP	TN	1	5	3	1
	↓		Accuracy@0.50 = 0.600		Accuracy@0.50 = 0.600		
Precision		Precision@0.50 = 0.500		Precision@0.50 = 0.625			
TP		Recall@0.50 = 0.250		Recall@0.50 = 0.833			
TP + FP		MCC@0.50 = 0.100		MCC@0.50 = 0.100			
		PR AUC = 0.767		PR AUC = 0.941			
		ROC AUC = 0.875		ROC AUC = 0.875			

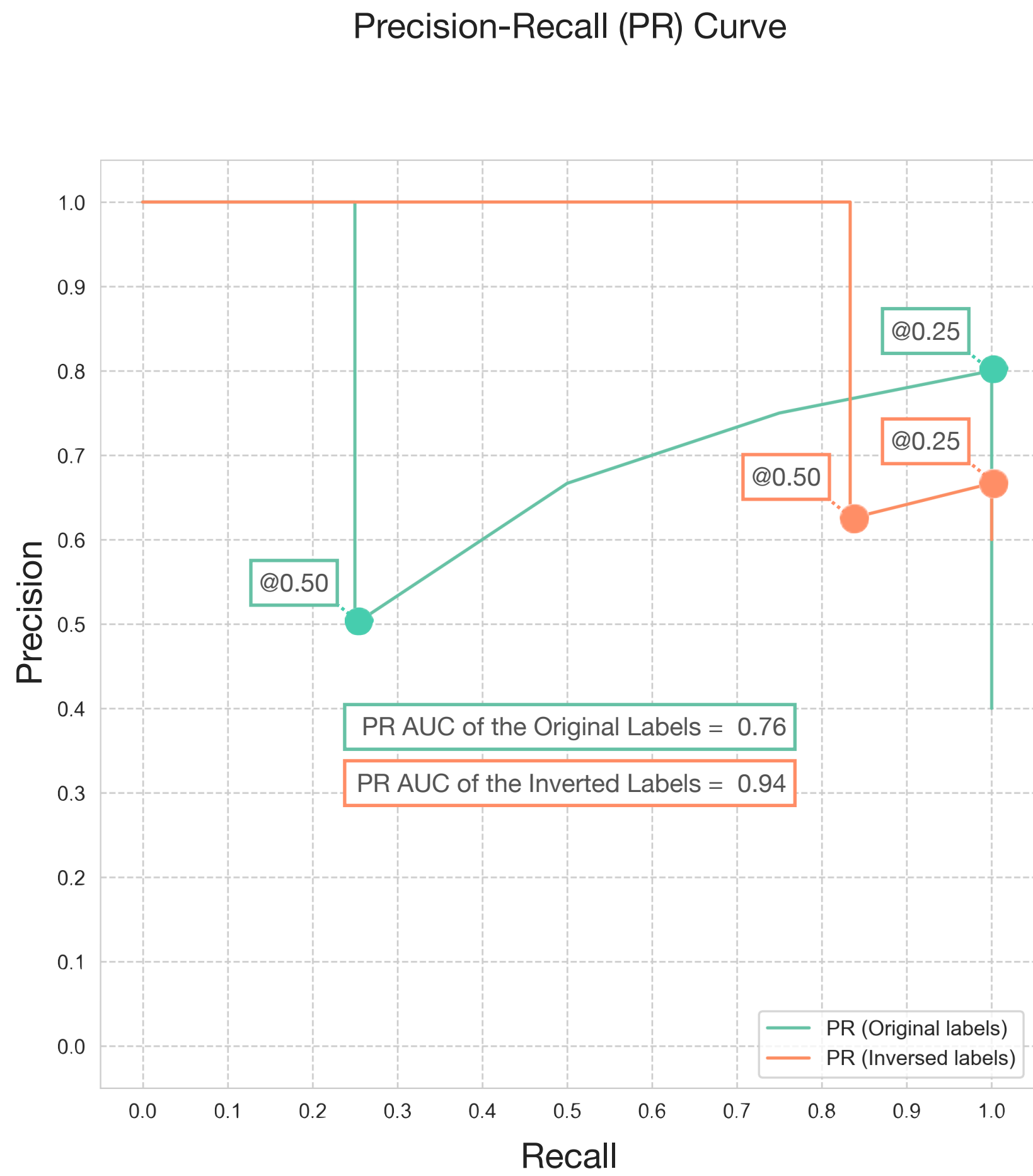


Block A

$r = 0.33$   
 $R^2 = -0.71$   
RMSE = 1.46

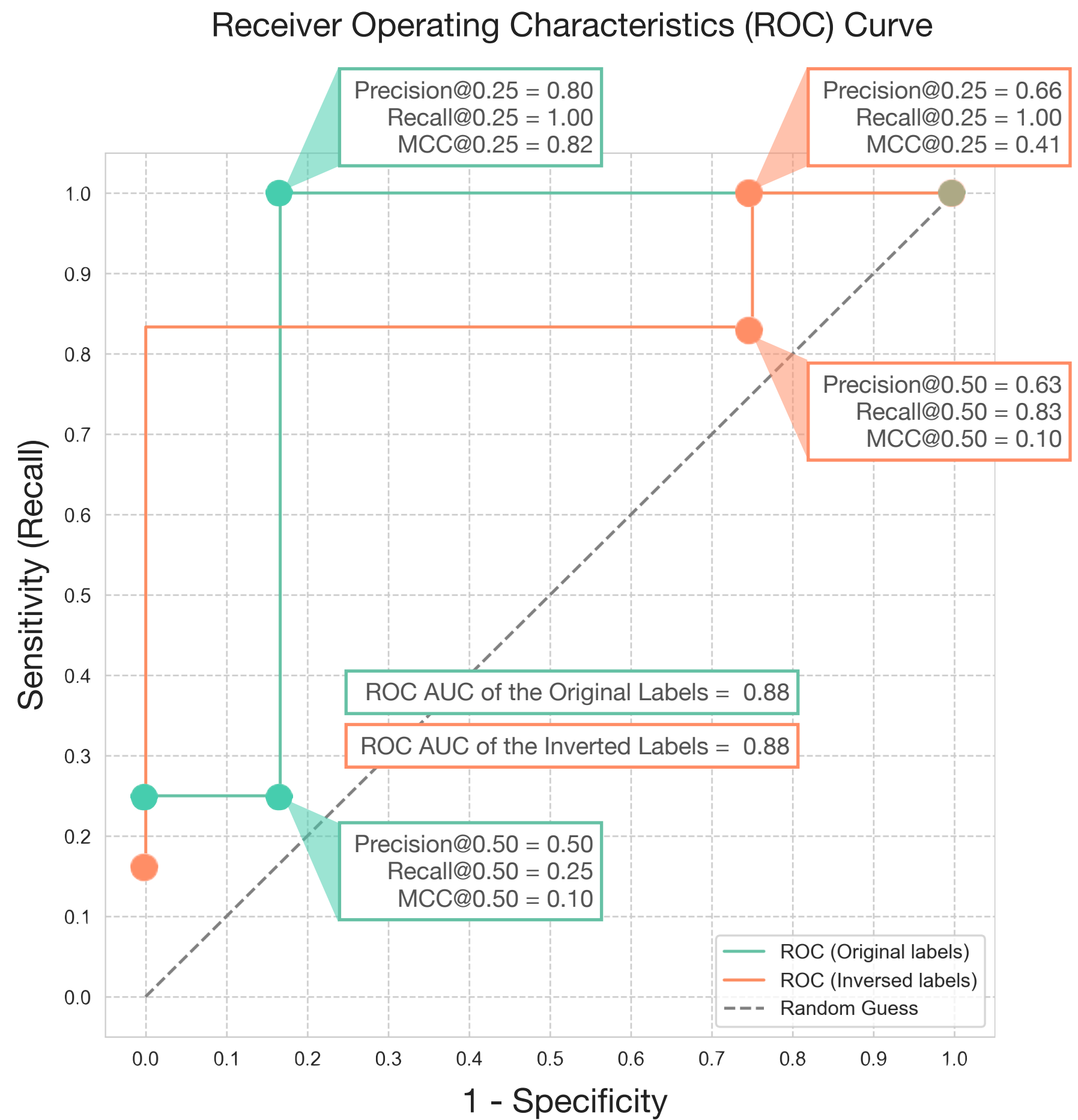
Block B

$r = 0.25$   
 $R^2 = -1.10$   
RMSE = 1.52



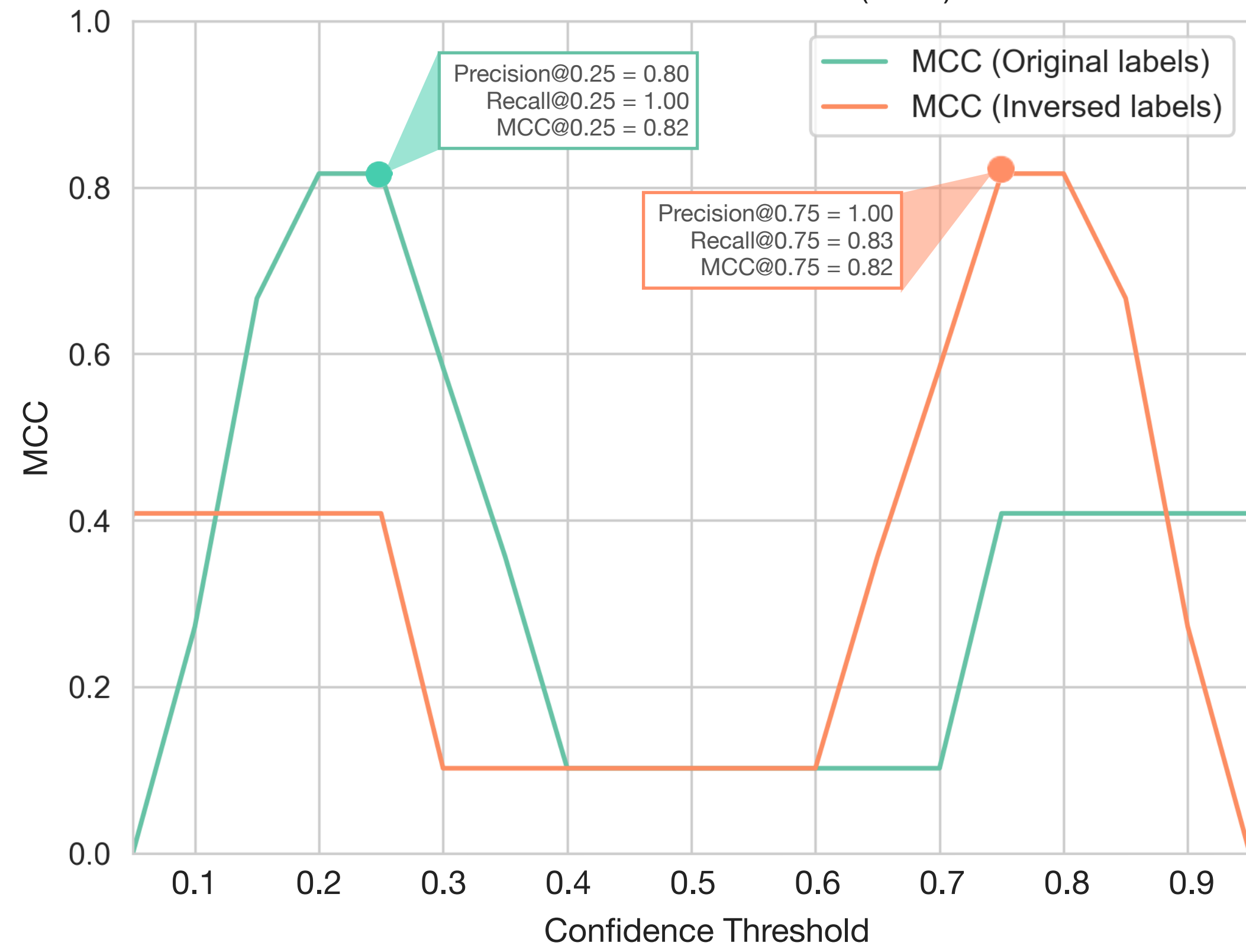
	(+)	(-)
(+)	4	0
(-)	1	5

	(+)	(-)
(+)	6	0
(-)	3	1



ID	Original Labels		Inverted Labels	
	Ground Truth	Prediction Probability	Ground Truth	Prediction Probability
1	(+)	0.99	(-)	0.01
2	(-)	0.70	(+)	0.30
3	(+)	0.38	(-)	0.62
4	(+)	0.33	(-)	0.67
5	(+)	0.26	(-)	0.74
6	(-)	0.16	(+)	0.84
7	(-)	0.15	(+)	0.85
8	(-)	0.14	(+)	0.86
9	(-)	0.12	(+)	0.88
10	(-)	0.07	(+)	0.93

Matthews Correlation Coefficient (MCC) Curve



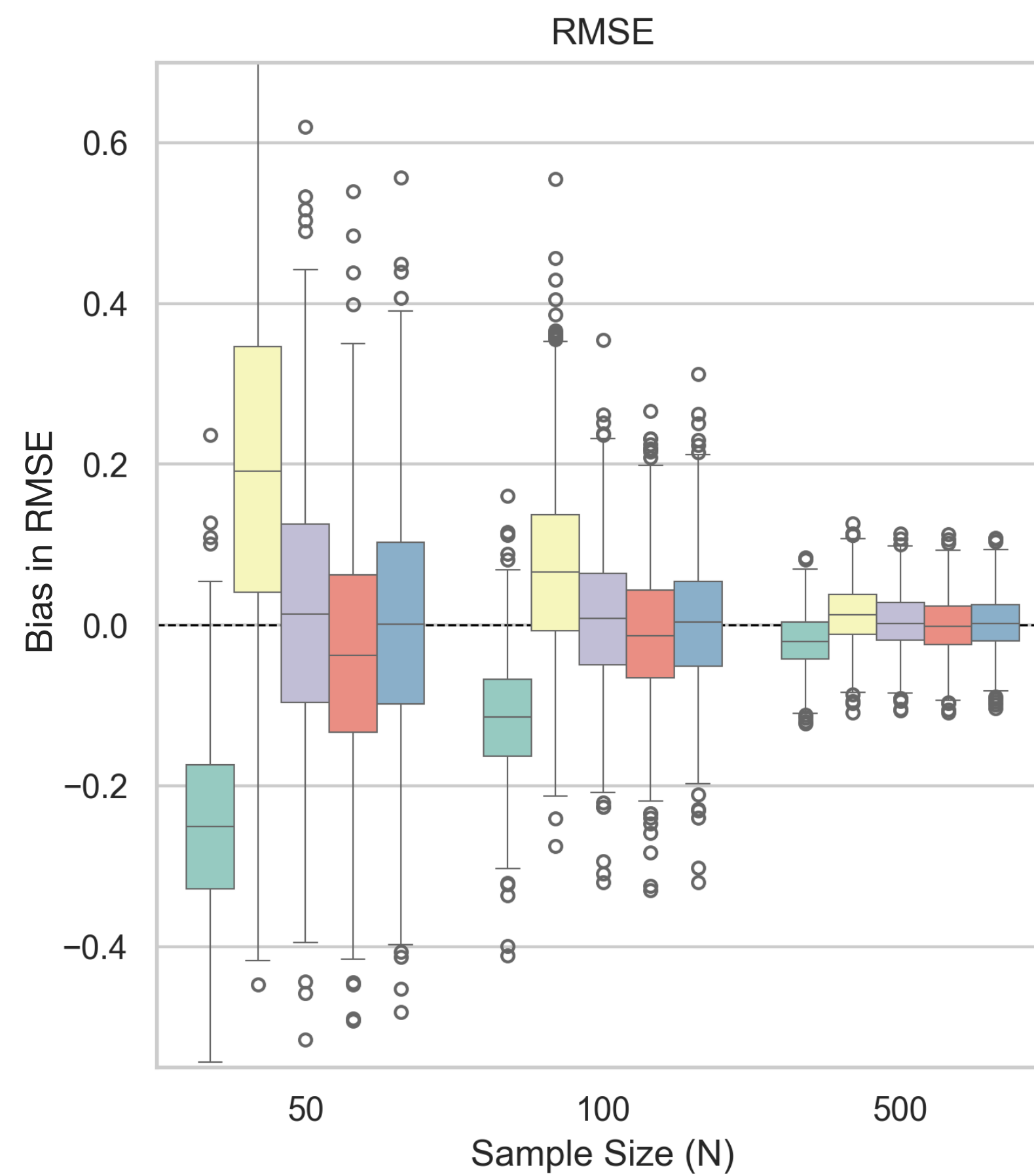
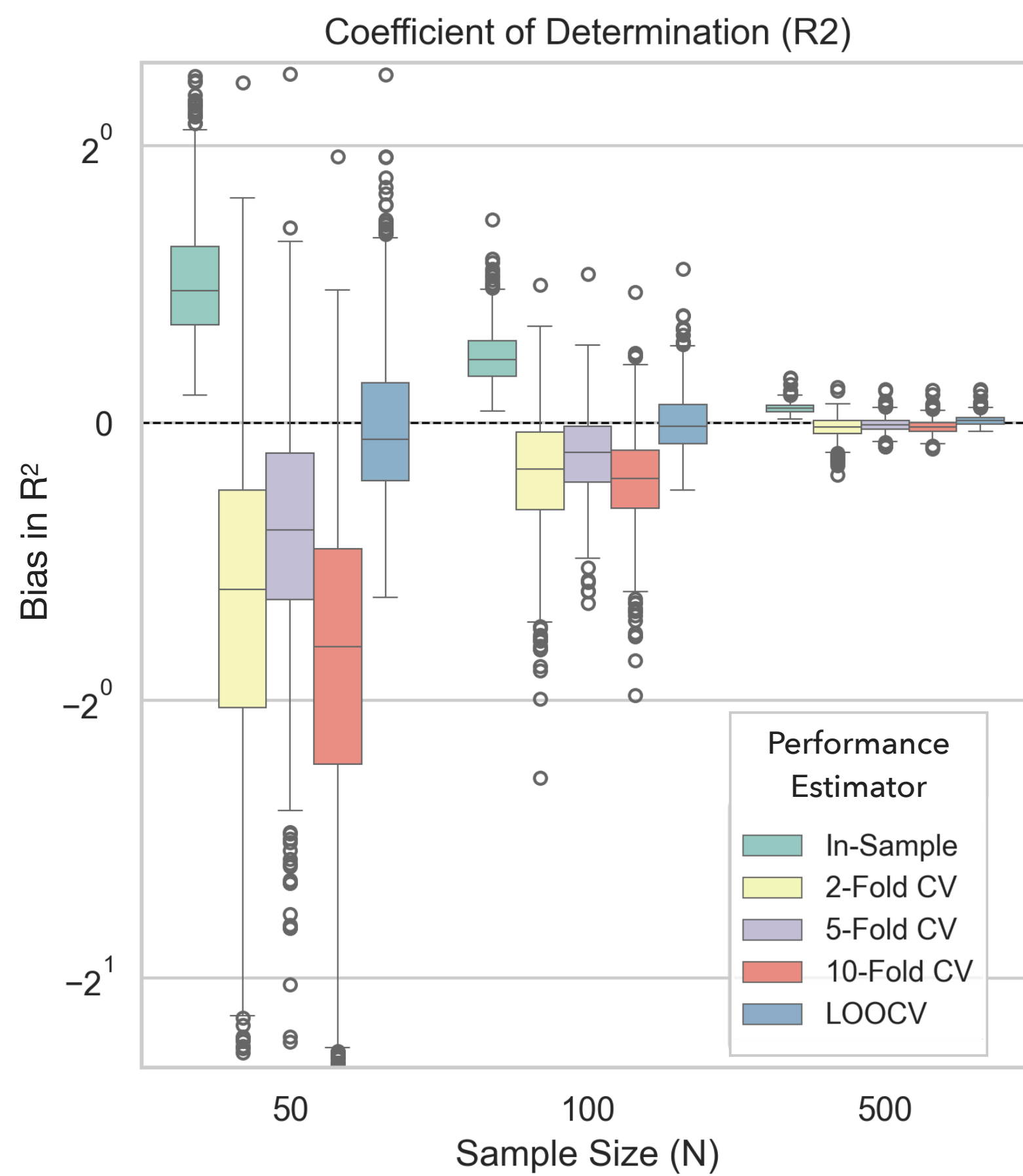
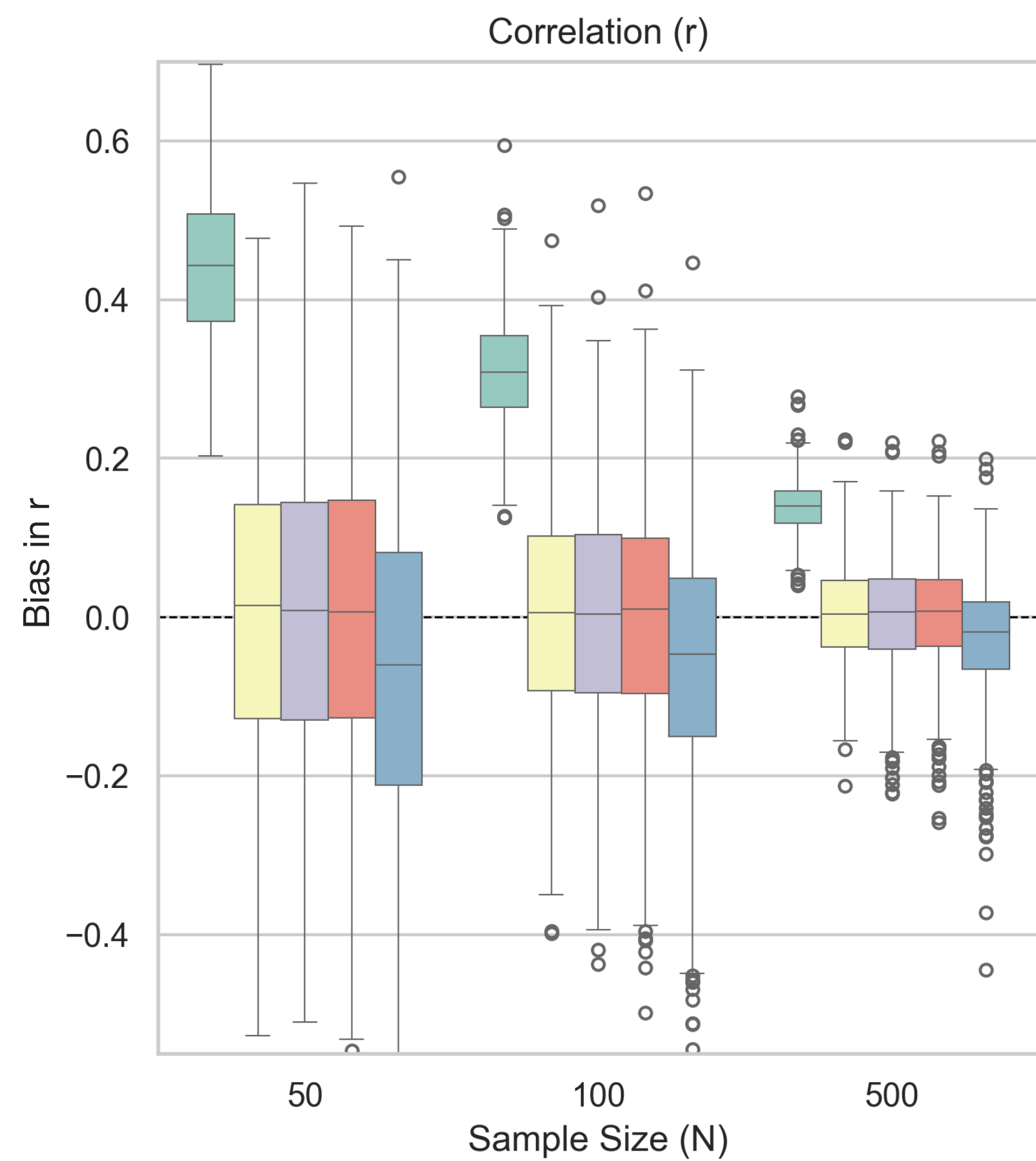
Confusion Matrix at the Optimum Threshold

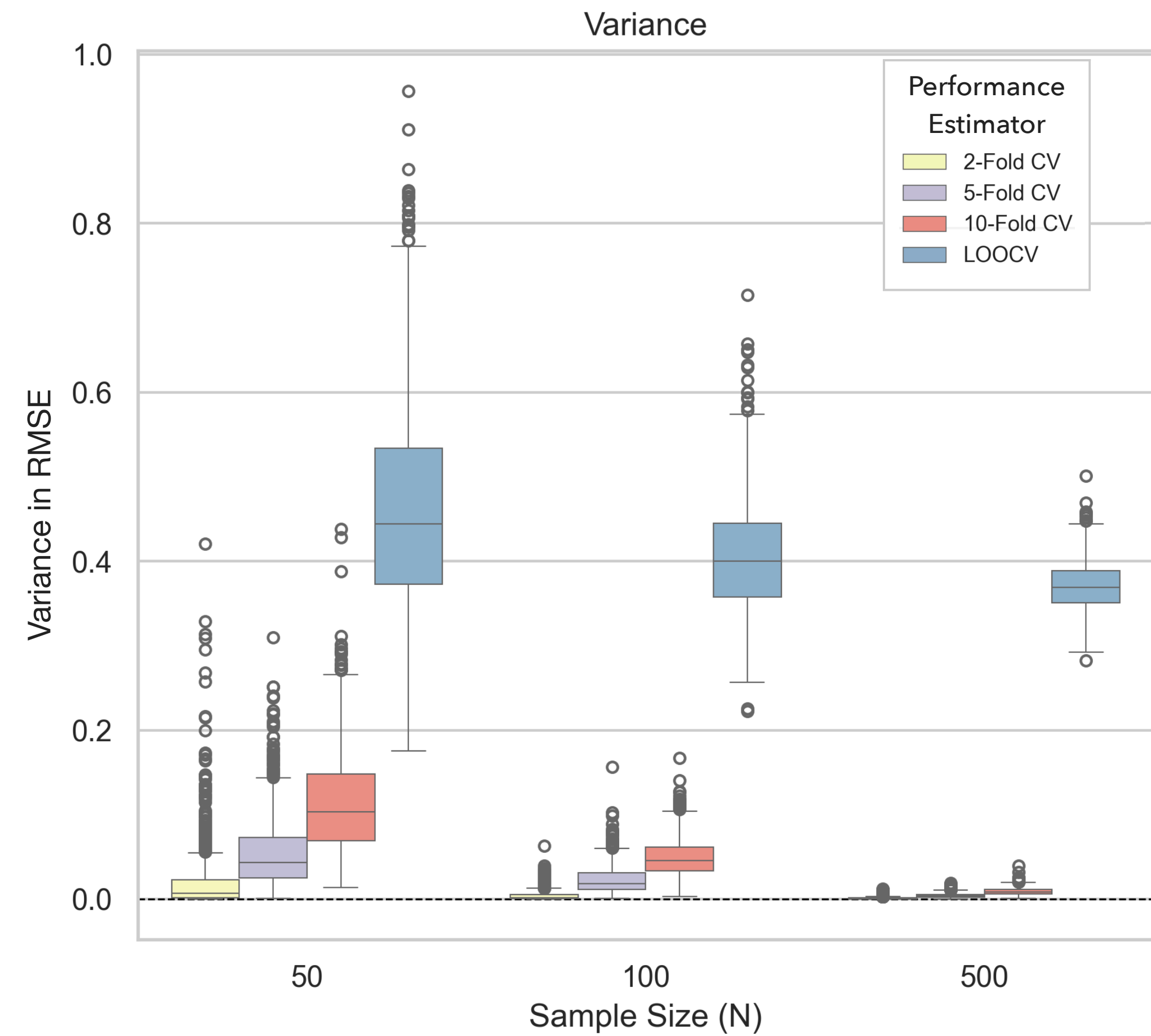
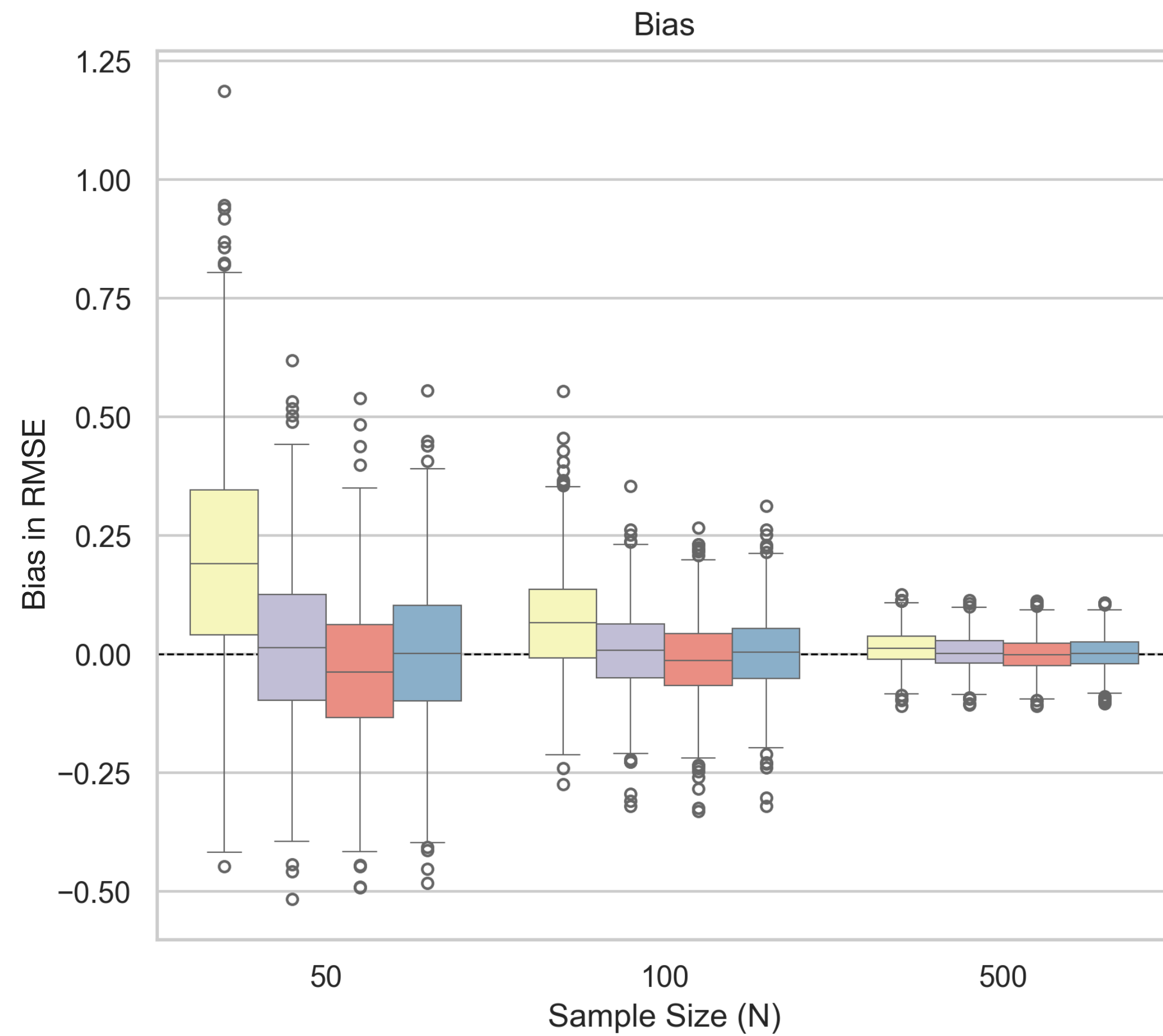
Original Labels @0.25

		Predictions	
		(+)	(-)
Ground Truth	(+)	4	0
	(-)	1	5

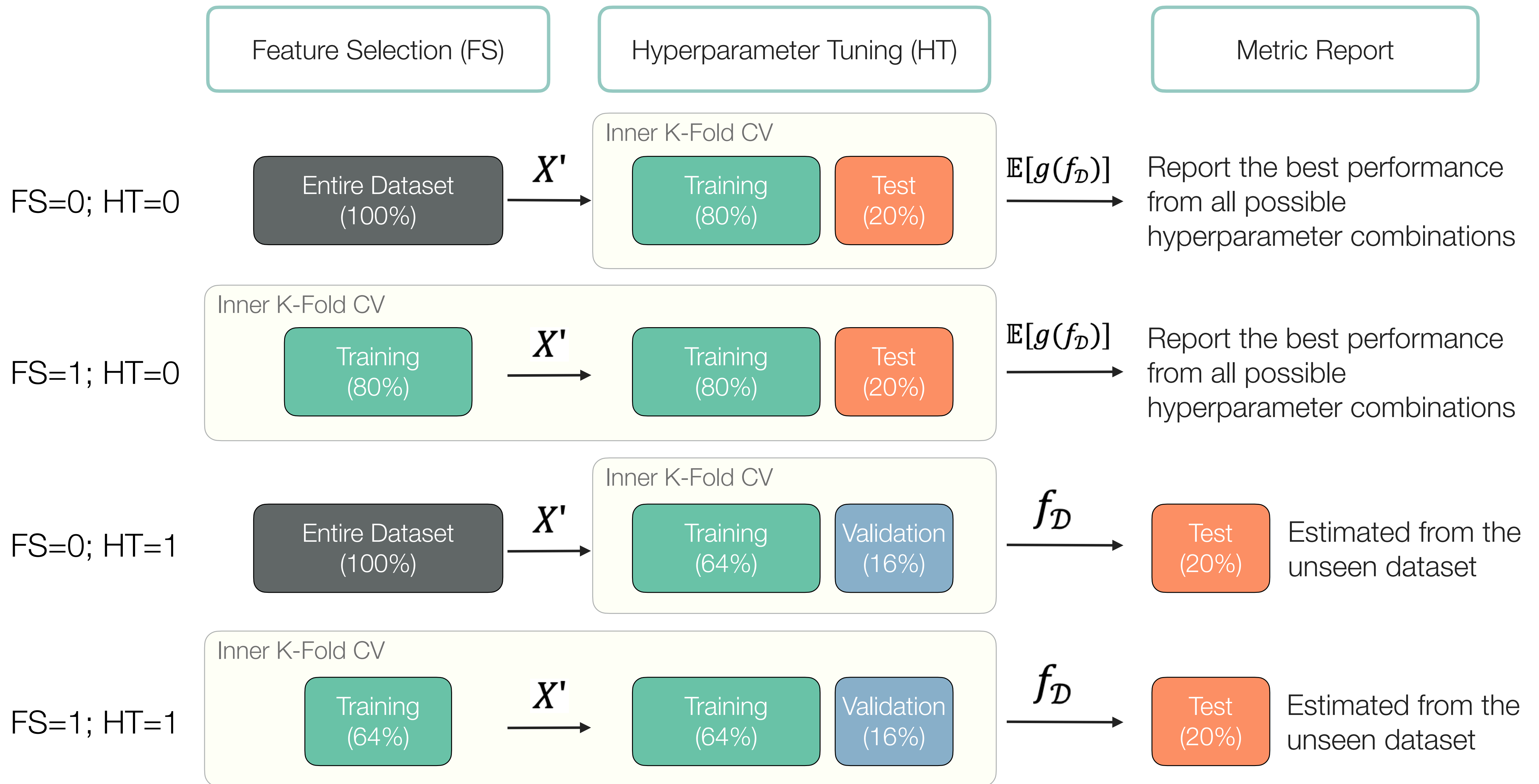
Inverted Labels @0.75

		Predictions	
		(+)	(-)
Ground Truth	(+)	5	1
	(-)	0	4









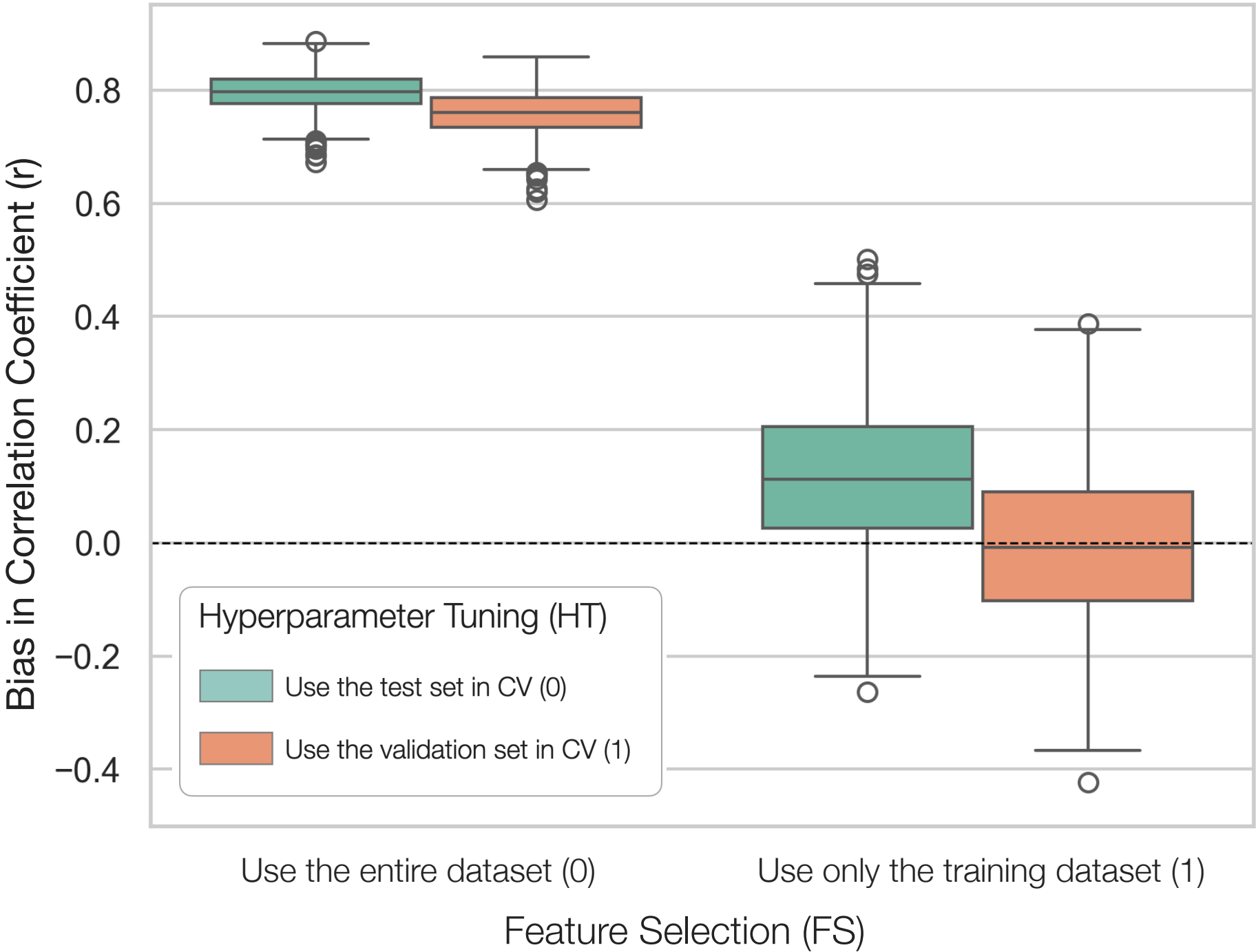
Hyperparameter Tuning (HT)

Use the test set in CV (0)

Use the validation set in CV (1)

FS=0; HT=0

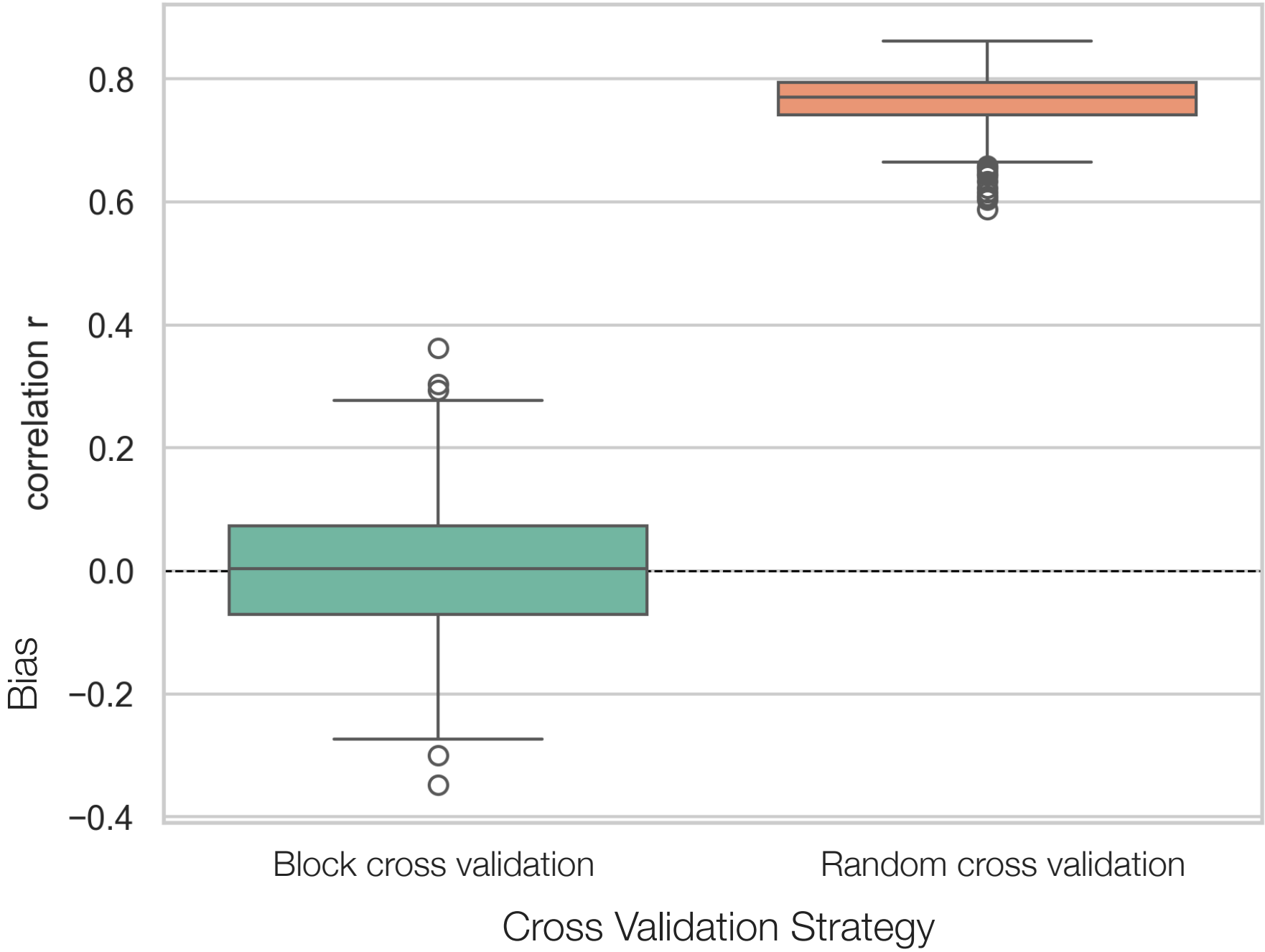
Feature Selection (FS)



Hyperparameter Tuning (HT)

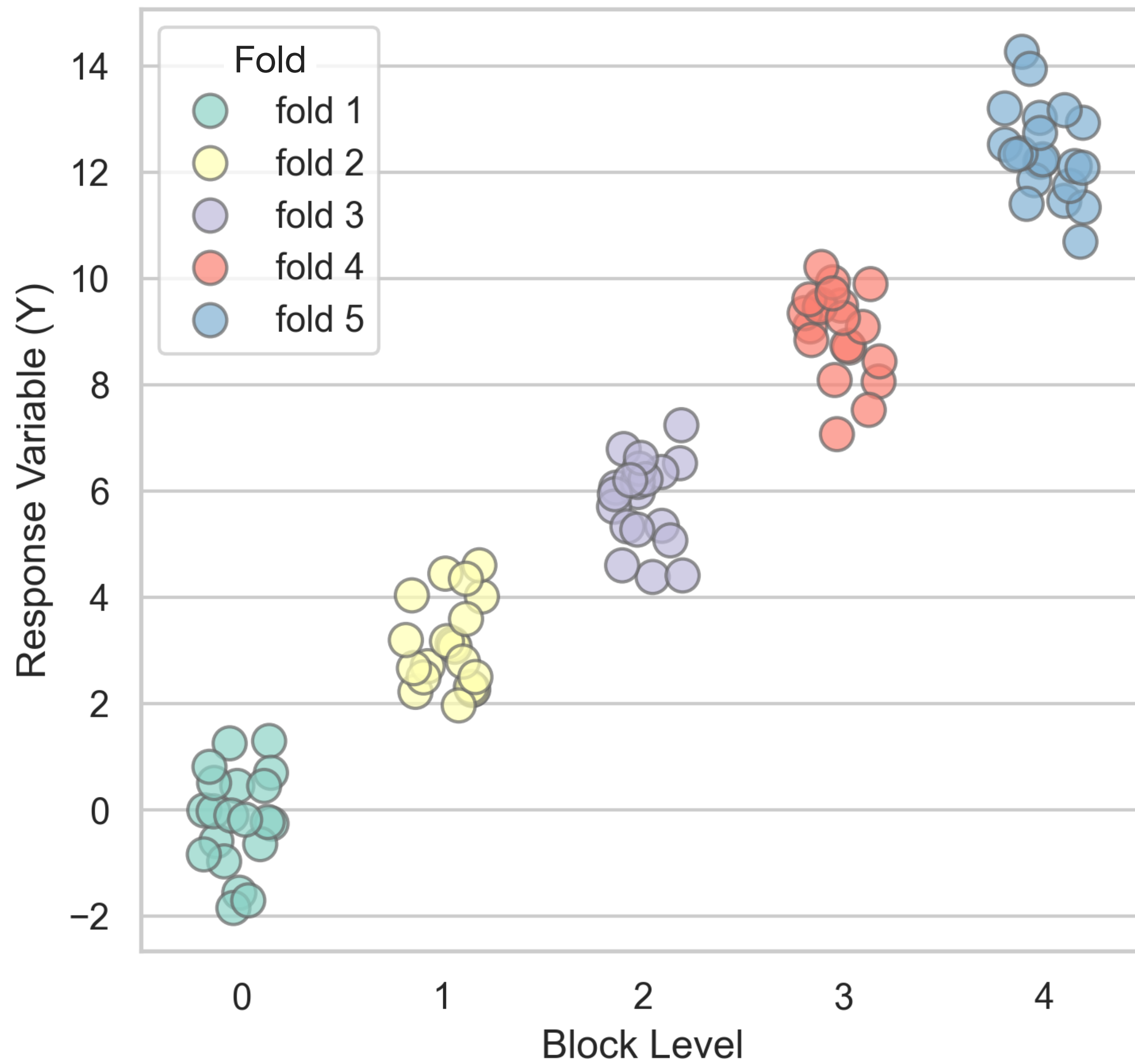
Use the test set in CV (0)

Use the validation set in CV (1)





Block Cross Validation



Random Cross Validation

