

# Ground Truth and

Prediction	Probability

ID	
1	
2	
3	
4	
5	
6	
7	
8	
9	
4.0	l

10

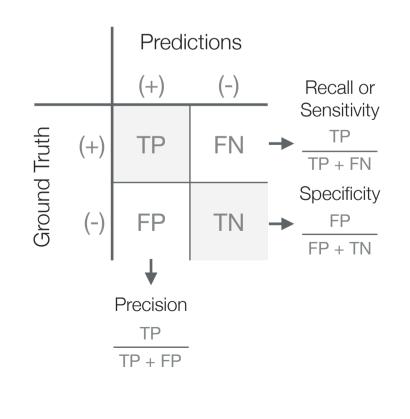
# Original Labels

Ground Truth	Prediction Probability	
(+)	0.99	
(-)	0.70	
(+)	0.38	
(+)	0.33	
(+)	0.26	
(-)	0.16	
(-)	0.15	
(-)	0.14	
(-)	0.12	
(-)	0.07	

### **Inverted Labels**

Ground Truth	Prediction Probability	
(-)	0.01	
(+)	0.30	
(-)	0.62	
(-)	0.67	
(-)	0.74	
(+)	0.84	
(+)	0.85	
(+)	0.86	
(+)	0.88	
(+)	0.93	

# Confusion Matrixes



# Original Labels @0.50

		Predictions	
		(+)	(-)
Truth	(+)	1	3
Ground Truth	(-)	1	5

Accuracy@0.50 = 0.600Precision@0.50 = 0.500

Recall@0.50 = 0.250

MCC@0.50 = 0.100

PR AUC = 0.767

ROC AUC = 0.875

## Inverted Labels @0.50

		Predictions	
		(+)	(-)
Truth	(+)	5	1
Ground Truth	(-)	3	1

Accuracy@0.50 = 0.600

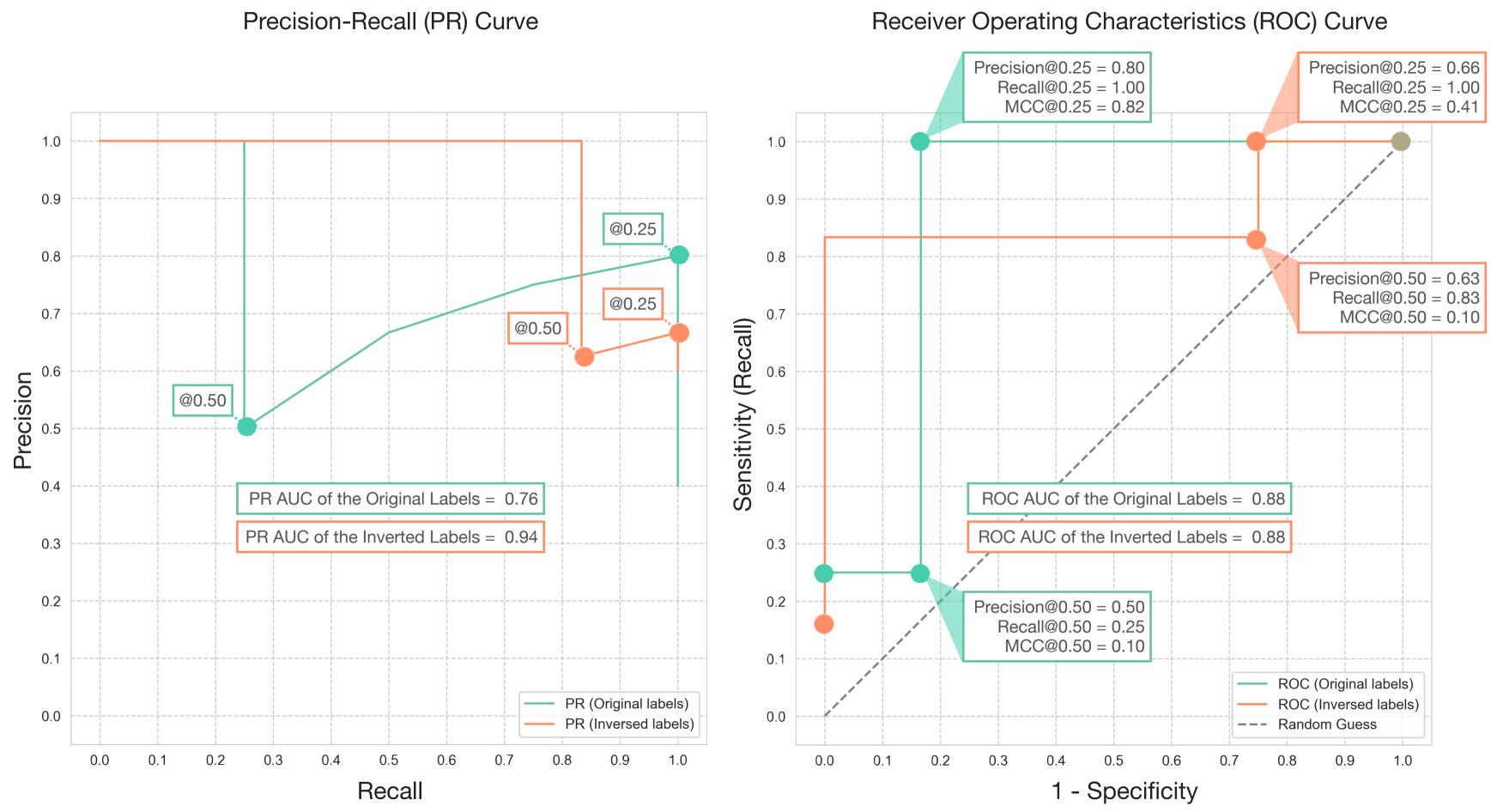
Precision@0.50 = **0.625** 

Recall@0.50 = 0.833

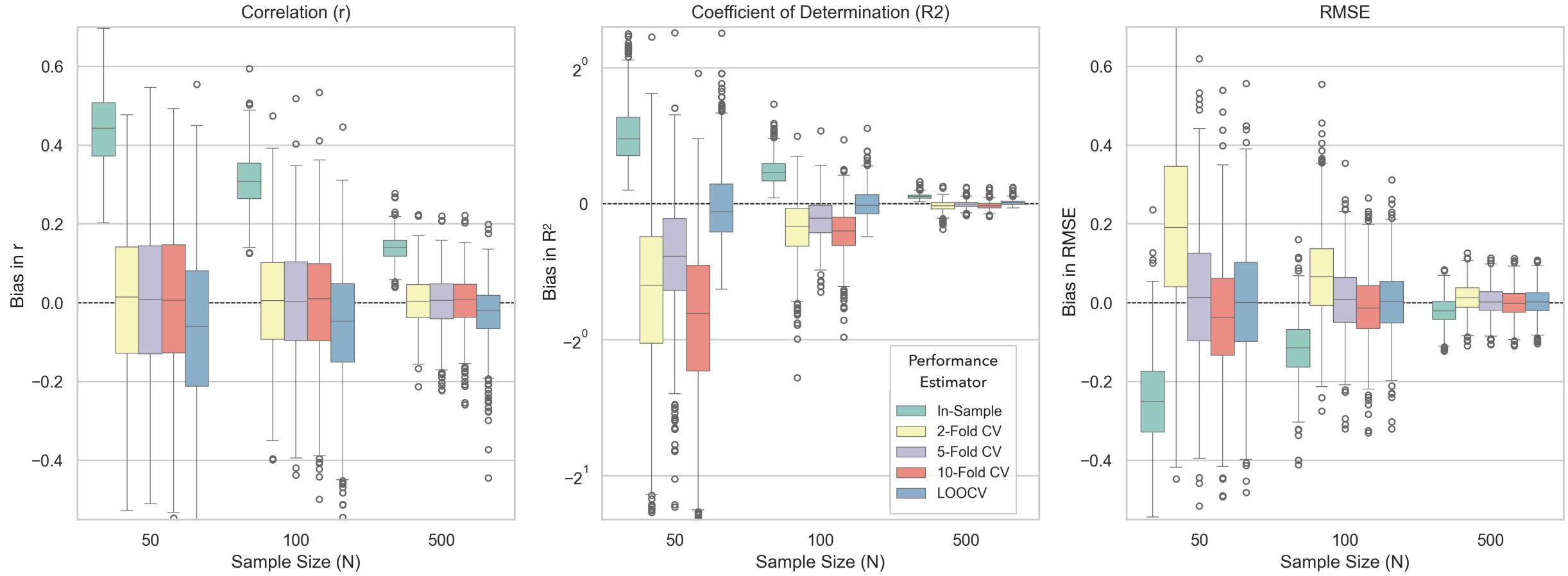
MCC@0.50 = 0.100

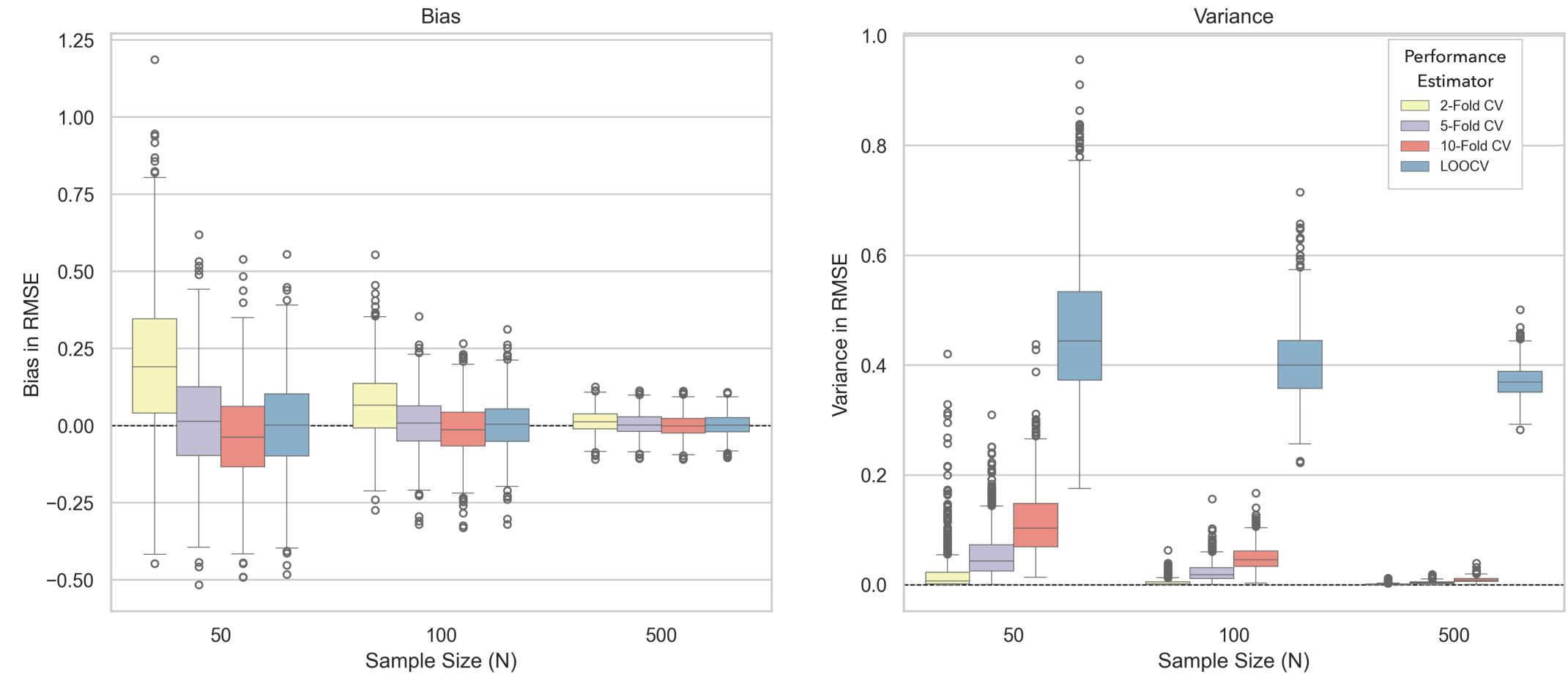
PR AUC = **0.941** 

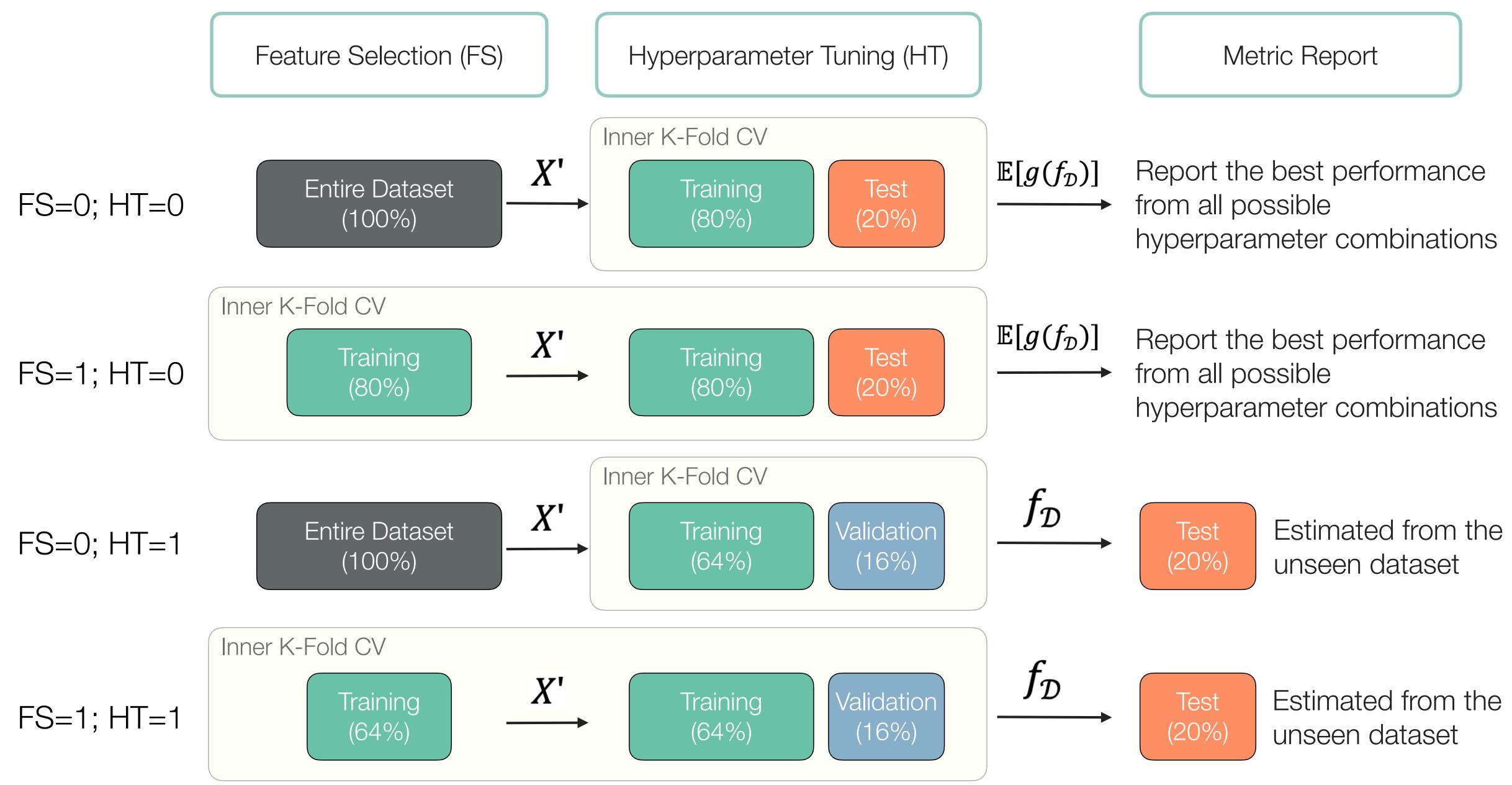
ROC AUC = 0.875

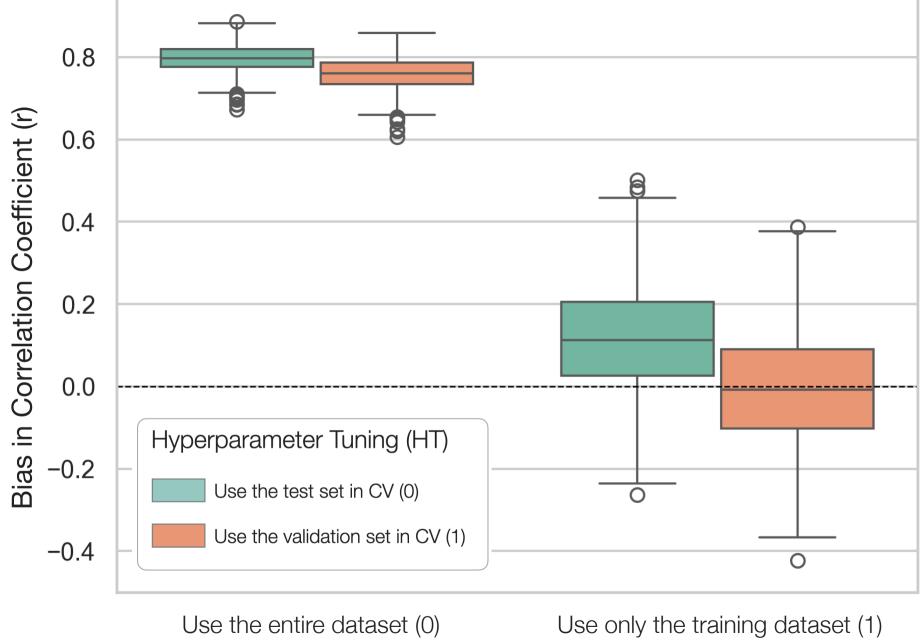


### Matthews Correlation Coefficient (MCC) Curve 1.0 Confusion Matrix at the MCC (Original labels) Precision@0.25 = 0.80 Optimum Threshold Recall@0.25 = 1.00MCC (Inversed labels) MCC@0.25 = 0.82Original Labels @0.25 8.0 Predictions Precision@0.75 = 1.00 Recall@0.75 = 0.83(+)(-)MCC@0.75 = 0.82**Ground Truth** 4 0.6 5 Inverted Labels @0.75 0.4 Predictions (+)**Ground Truth** (+)5 0.2 0.0 0.2 0.3 0.4 0.5 0.6 0.7 8.0 0.9 0.1 Confidence Threshold









Feature Selection (FS)

