Analysis of Performance Influencing Factors in INVASE

Post-Training Selection Policy

Table 4.2: Comparison Between Long Training and Post-Training Selection Policy

Scenario	Metrics(%)	Synethetic Datasets					
		A.1	A.2	A.3	A.4	A.5	A.6
10k Epoches	Mean TPR	100	100	90.2	100	75.3	74.7
	Mean FDR	0	0	0	42.7	38.6	42.3
Post-Training Selection Policy	Mean TPR	◇	◇	◇	◇	▼2.4	▼3.3
	Mean FDR	◇	◇	◇	▼3.3	▼15.9	▼4.7

INVASE settings: **Hyperparameter:** $\lambda = 0.1$; **Activation**: ReLU.
Early Stopping Policy settings: $I = 10k$, $m = 100$, $r = 500$, $k = 7$

Notations: ◇ denotes no difference, ▼ indicates a decrease, ▲ signifies an increase.

Works nice in
various situations

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Analysis of Performance Influencing Factors in INVASE

Post-Training Selection Policy

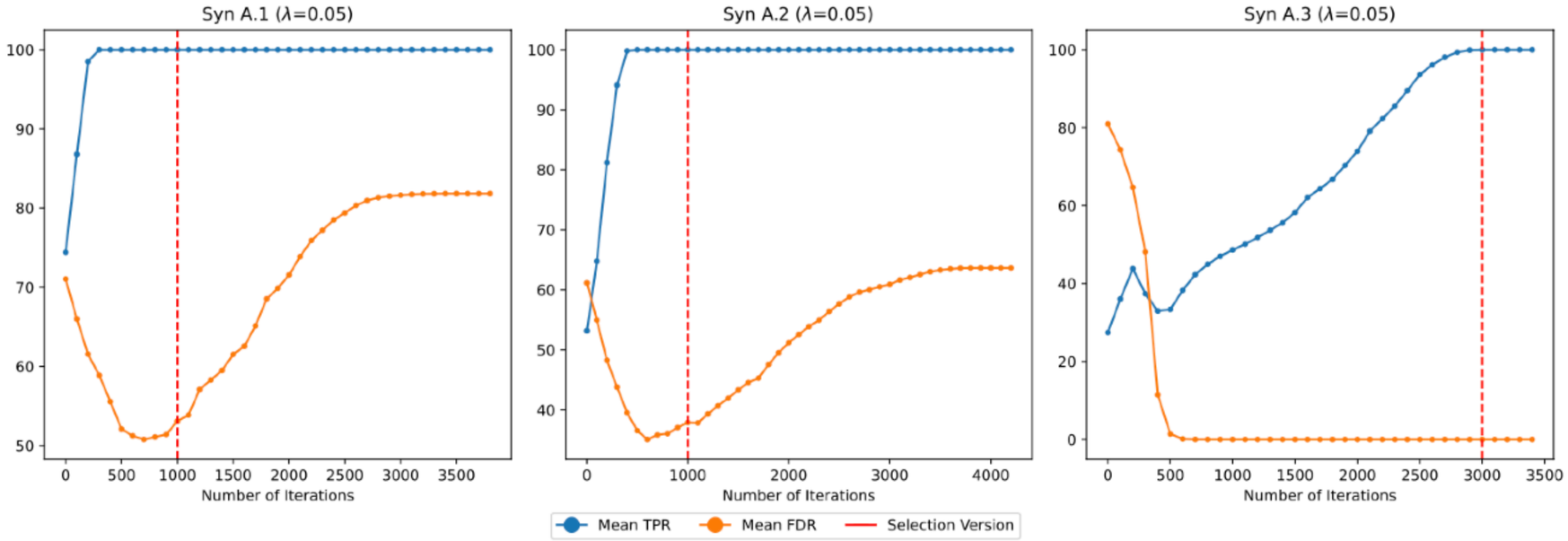

Figure 4.2: Visualization of the results from applying the post-training selection policy

INVASE settings: **Hyperparameter:** $\lambda = 0.05$; **Activation**: ReLU.

Post-training Selection Policy settings: $I = 5k$, $m = 100$, $r = 500$, $k = 7$