Analysis of Performance Influencing Factors in INVASE

Selection Probabilty Stability-based Early Stopping Policy

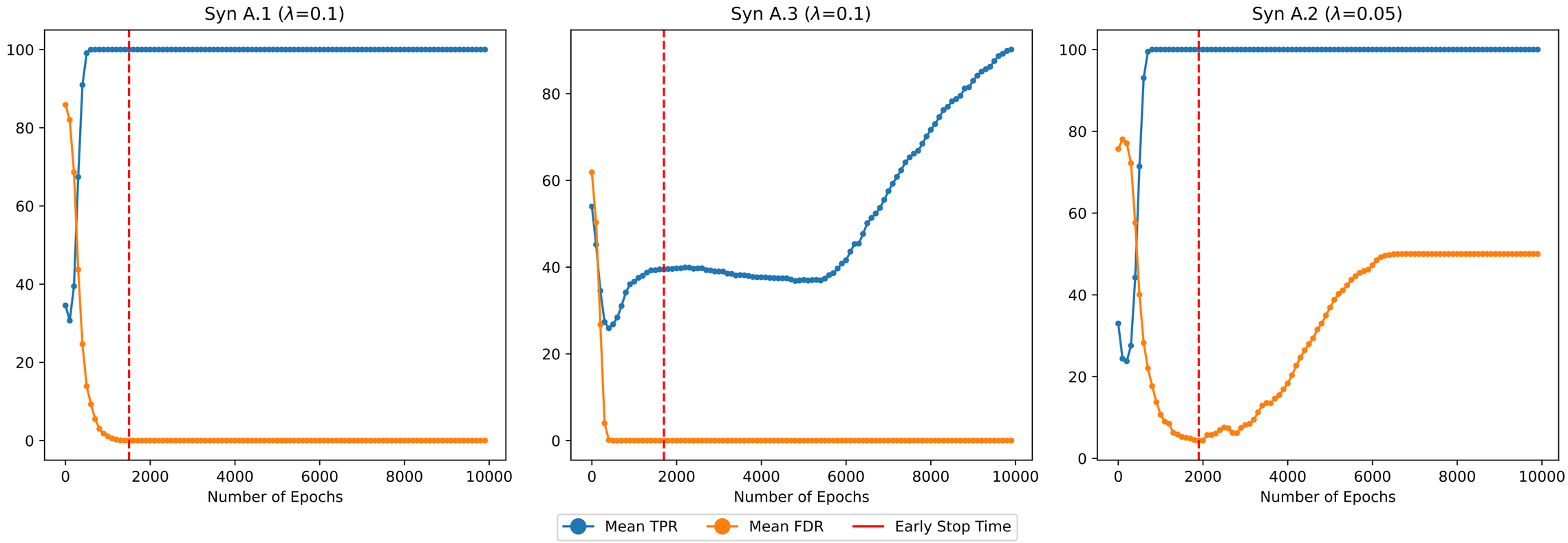

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Table 4.1: Comparison Between Long Training and the Proposed Early Stopping Policy

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
Simple Early Stopping	Mean TPR	◇	◇	▼50.7	◇	▼16.3	◇
	Mean FDR	◇	◇	◇	◇	▼20.6	▼2.4
	Used Epoch(k)	1.5	1.2	1.7	5	1.9	4.2

Loss chances to be better

Save Time

Save Time

Individual Settings: **Framework:** *INVASE*; **Hyperparameter:** $\lambda = 0.1$; **Activation**: ReLU.

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