Analysis of Performance Influencing Factors in INVASE

Post-Training Selection Policy

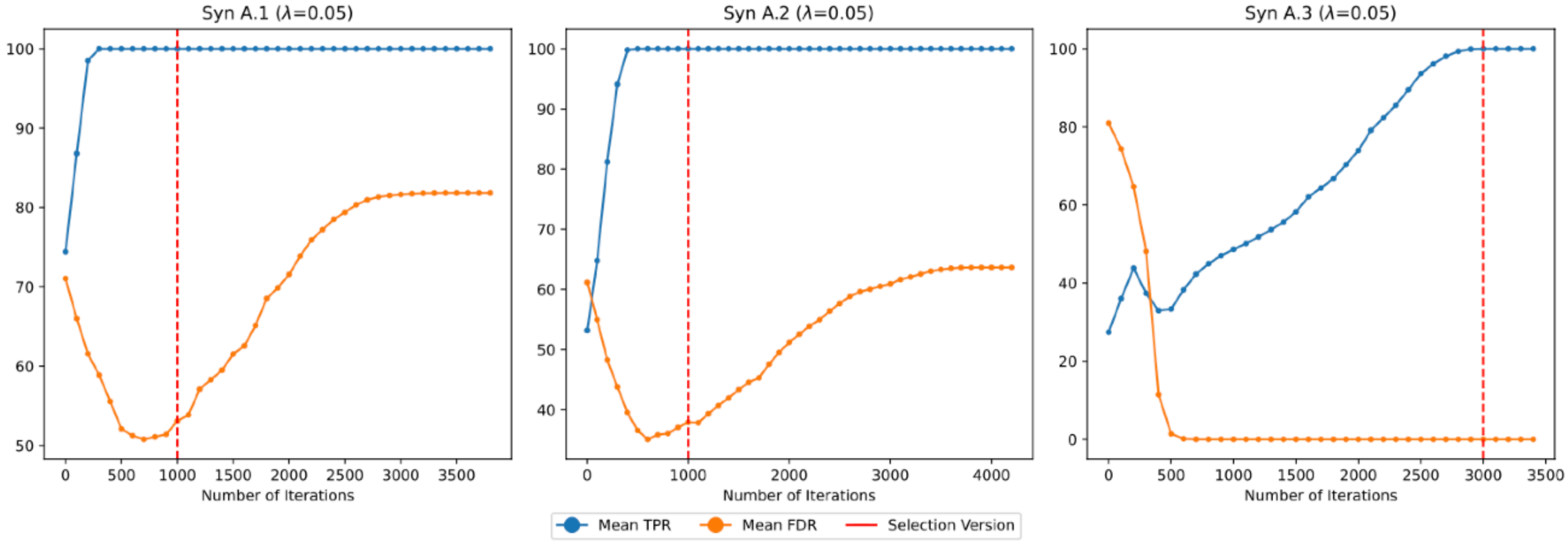

Figure 4.2: Visualization of the results from applying the post-training selection policy

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

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

❖ Advantages:

- Save unnecessary time
- Aviod performance degradation

❖ Drawbacks:

- More computationally intensive & Time consuming

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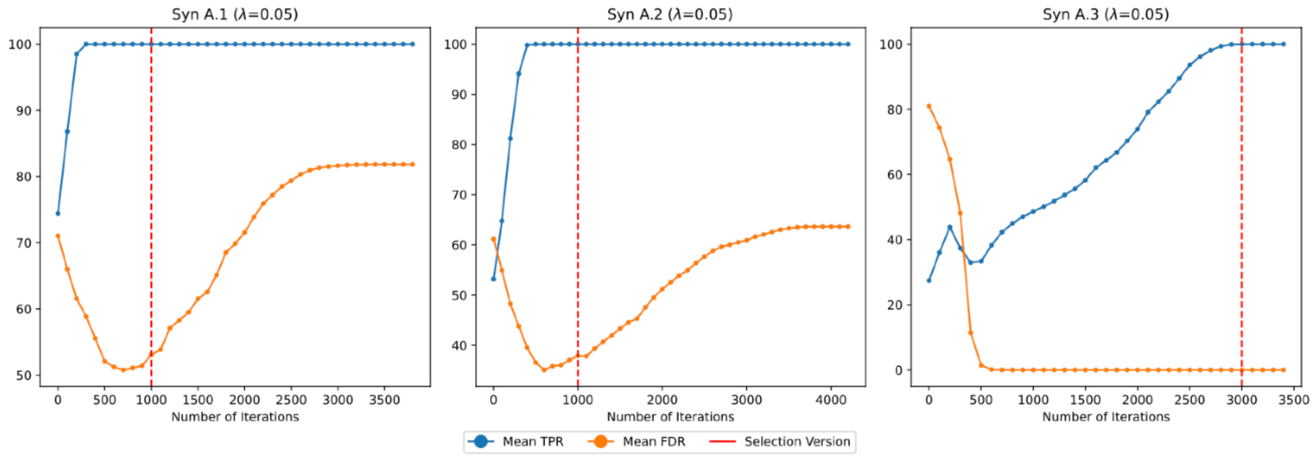

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Conclusion

1. Within the framework of INVASE, how do the following factors influence the explainer's ability to identify relevant features while discarding irrelevant ones?

    A. Does longer training improve the explainer's performance? If not, how does it affect the results?