

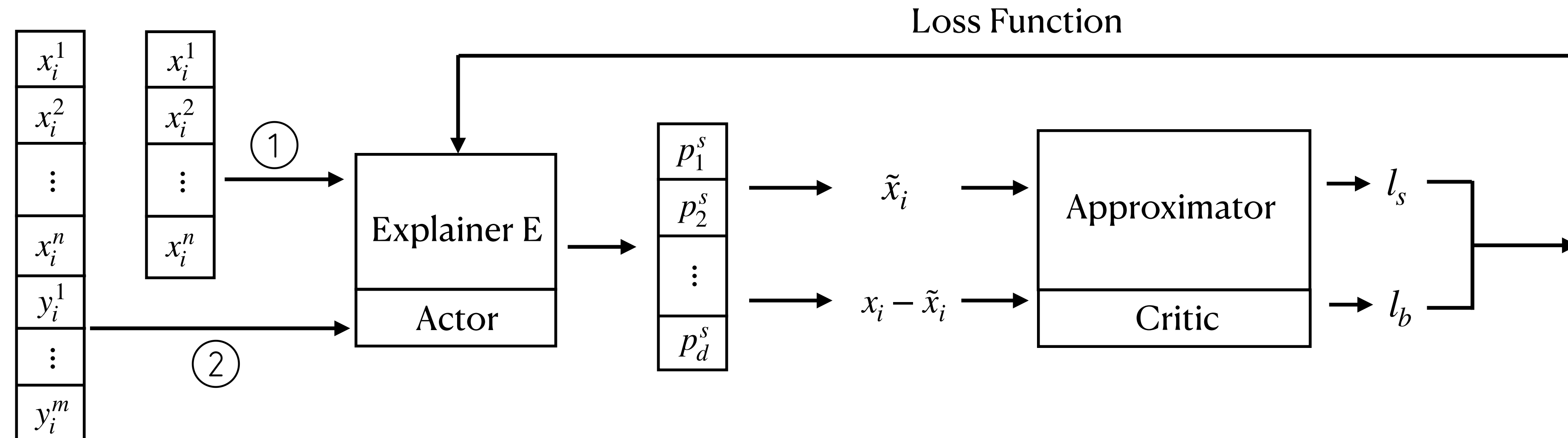
Exploration of Potential Improvements to INVASE

Research Question

2. How can INVASE be improved?
 - A. If the performance of INVASE is sensitive to the choice of the hyper-parameter λ , how can this **sensitivity be mitigated**?
 - B. Can explainer improve its explanations (i.e., a higher true positive rate and a lower false discovery rate) by **replacing the baseline neural network** with the utilization of unselected feature information?
 - C. Can explainer provide better explanations (i.e., a higher true positive rate and a lower false discovery rate) by **incorporating response variables into its input**?

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Variant Framework Proposal



❖ Input data to Actor

(1) Only feature values ← INVASE

(2) Feature values + Response variable ← MEED