

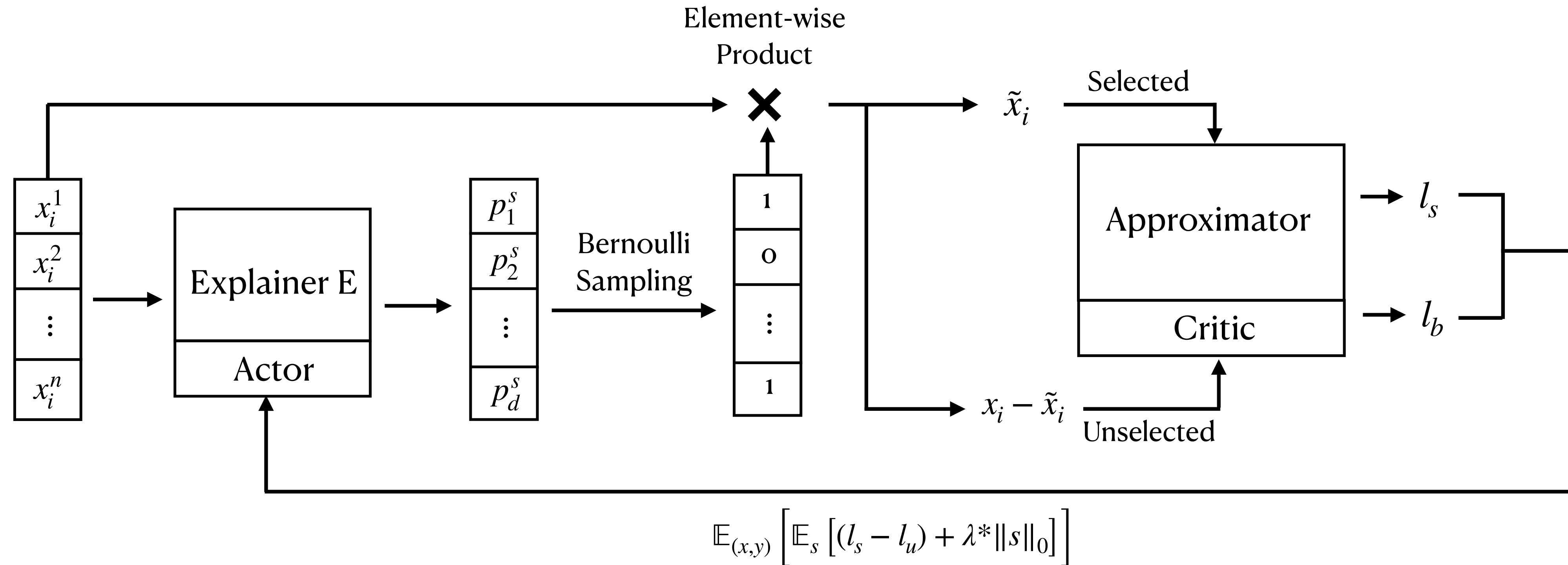
D-ACES Framework Proposal and Analysis

Research Question

3. By building on the previous attempts, if any of them demonstrate positive performance, what kind of new competitive framework can be proposed?
 - (a) Compared to state-of-the-art IFS methods (e.g., INVASE, L2X, LIME, SHAP), what advantages does the new framework offer?
 - (b) How does the newly proposed framework perform on other types of data (e.g., text)?
 - (c) What limitations does the new framework have?

D-ACES Framework Proposal and Analysis

Proposal of D-ACES



❖ **Input to Actor:** Only feature values

❖ **Critic:** use both selected and unselected feature values to train

❖ **Loss function:** Direct Replacement Version Loss

Dual-Feature Actor-Critic
Explainable Feature Selection
(D-ACES)