Interpretability for

Black-Box Seq2Seq Models

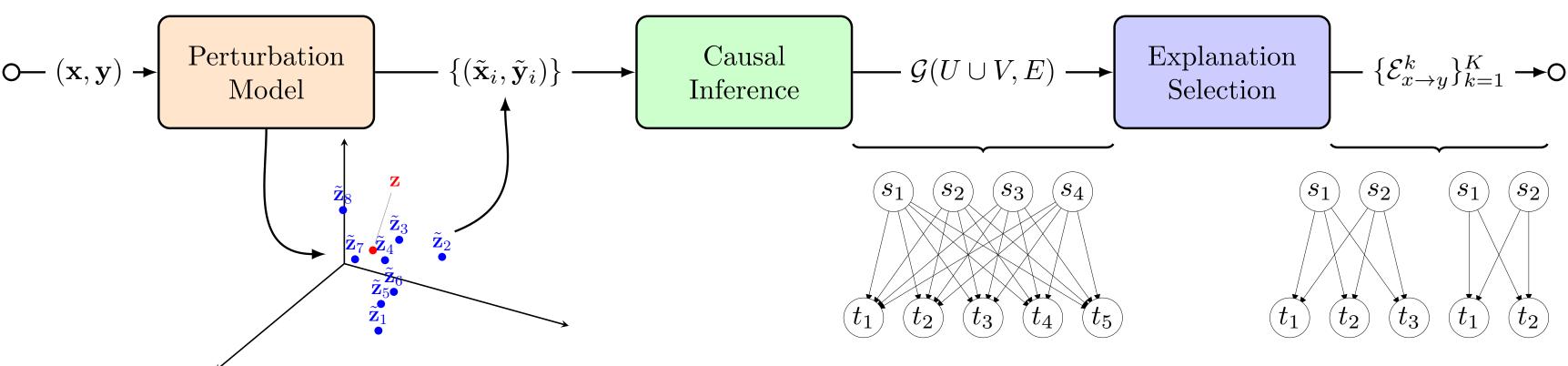


AM+ Jaakkola, EMNLP'17

Perturb: Encode -> perturb -> decode -> query

Infer: Logistic regression to infer causal dependencies

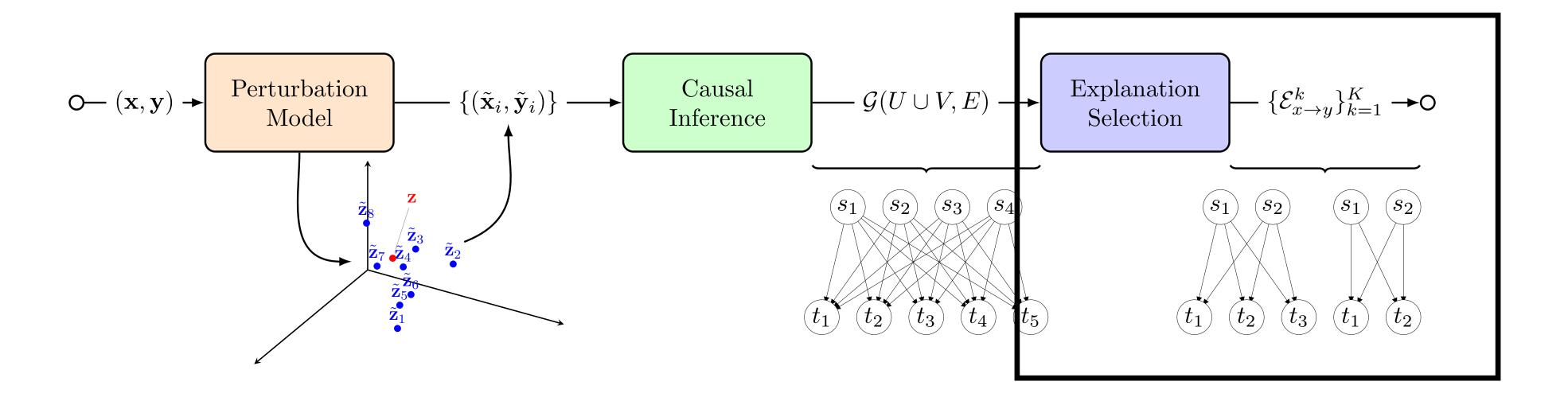
Select: Partition dependency graph into explanation chunks





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- Infer: Logistic regression to infer causal dependencies
- Select: Partition dependency graph into explanation chunks

Interpretability for Bias Detection in Machine Translation