

# Local Causal and Markov Blanket Induction for Causal Discovery and Feature Selection for Classification.

## Part I: Algorithms and Empirical Evaluation

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An error is present in proposition 2 on page 188 of the original manuscript. The correct form should be

**Proposition 2** *In a faithful BN  $\langle V, G, P \rangle$  there is an edge between the pair of nodes  $X \in V$  and  $T \in V$  iff  $\neg I(X, T | Z)$ , for all  $Z \subseteq S$  and  $Z \subseteq S'$ , where  $\text{Parents}_G(X) \setminus \{T\} \subseteq S \subseteq V \setminus \{X, T\}$  and  $\text{Parents}_G(T) \setminus \{X\} \subseteq S' \subseteq V \setminus \{X, T\}$ .*