Test RAI structure learning algorithm

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load Alarm network and training dataset

Example for threshold calculation

This part provides visualization for threshold selection heuristic

![Graph showing sorted MI value vs index](image)
Learn Alarm network structure using RAI

Runtime and complexity performance

Complexity

RAI structure learning results for Alarm network (10,000 samples)

Runtime and complexity

RAI Alarm network learning time: 2.0 sec

Number of CI tests:
orders 0-3: 2200
orders 4-35: 5
Calculate structural Hamming distance errors

**Structural Hamming distance**

- Missing edges: 0
- Extra edges: 0
- Total skeleton learning error: 0

- Missing edge directions: 1
- Extra edge directions: 0
- Reversed edge directions: 1
- Total edge directionality learning error: 2

Total structural Hamming distance (skeleton + directionality): 2

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