
Test RAI structure learning algorithm

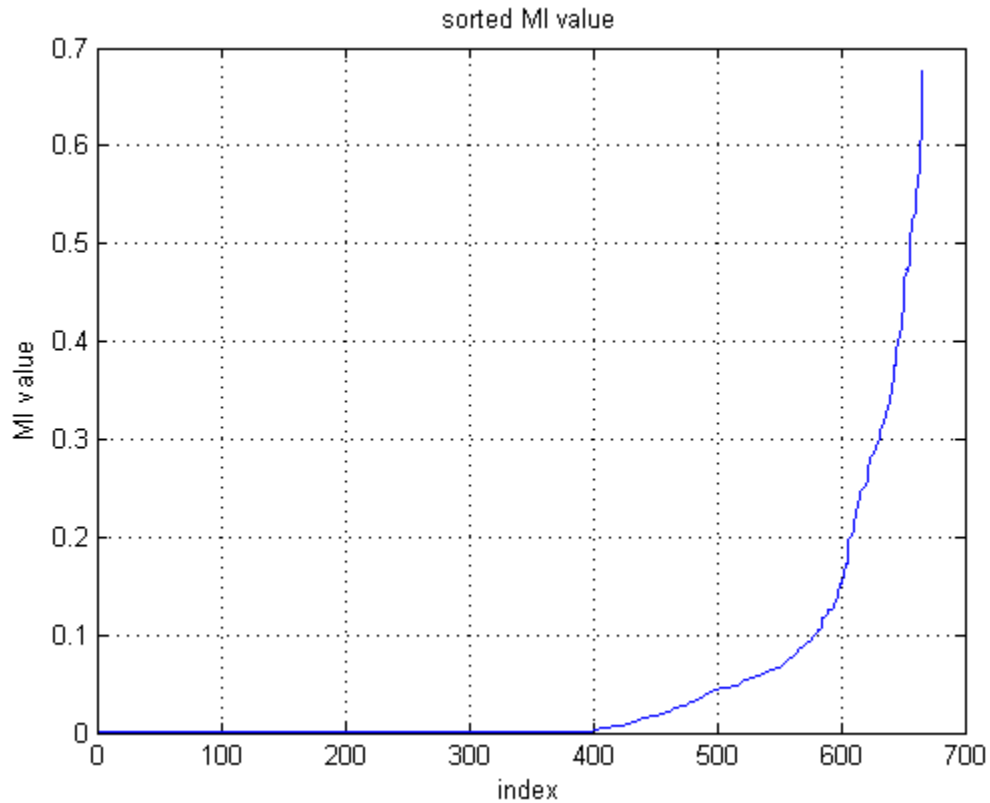
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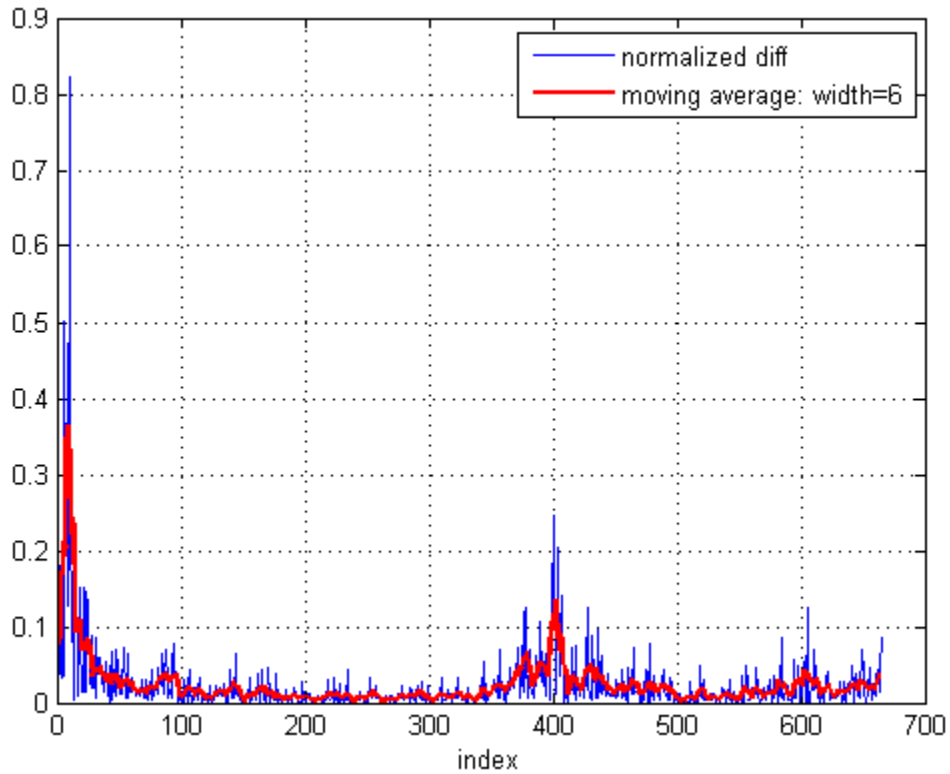
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load Alarm network and training dataset

Example for threshold calculation

This part provides visualization for threshold selection heuristic





Learn Alarm network structure using RAI

Runtime and complexity performance

Complexity

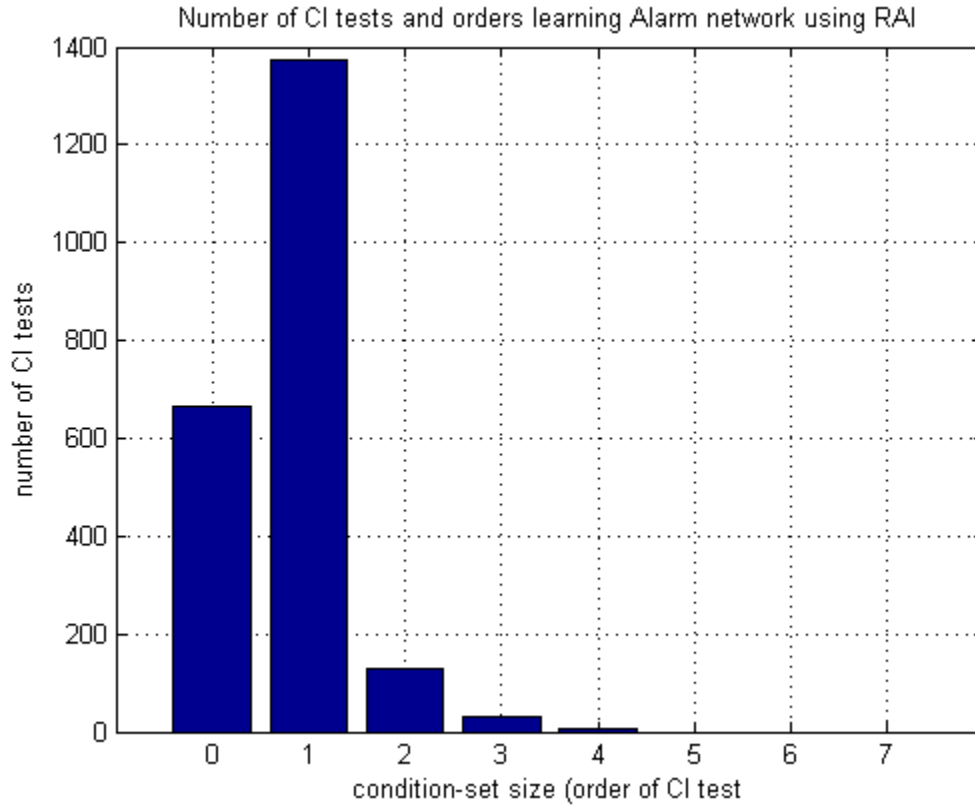
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RAI structure learning results for Alarm network (10,000 samples)

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

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*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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*Published with MATLAB® 7.9*