## **Accepted Manuscript**

Reverse Engineering for Causal Discovery based on Monotonic Characteristic of Causal Structure

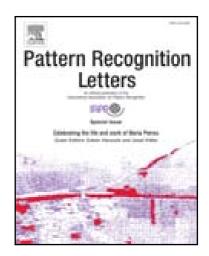
Song Ko, Hyunki Lim, Dae-Won Kim

PII: S0167-8655(17)30221-0 DOI: 10.1016/j.patrec.2017.06.014

Reference: PATREC 6853

To appear in: Pattern Recognition Letters

Received date: 25 August 2016 Revised date: 31 May 2017 Accepted date: 15 June 2017



Please cite this article as: Song Ko, Hyunki Lim, Dae-Won Kim, Reverse Engineering for Causal Discovery based on Monotonic Characteristic of Causal Structure, *Pattern Recognition Letters* (2017), doi: 10.1016/j.patrec.2017.06.014

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

#### ACCEPTED MANUSCRIPT

### **Research Highlights (Required)**

To create your highlights, please type the highlights against each \item command.

It should be short collection of bullet points that convey the core findings of the article. It should include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point.)

- A heuristic algorithm for the causal discovery.
- Causality score was obtained by evaluating the conditional probability distribution of a child node given a parent node.
- The proposed method infers the causal relations between diverse subsets of nodes.
- The causal structure is inferred by integrating partial causal relations.

#### Download English Version:

# https://daneshyari.com/en/article/4970026

Download Persian Version:

https://daneshyari.com/article/4970026

Daneshyari.com