



CentraleSupélec

Inférence Statistique des Relations de Causalité

Vers des algorithmes d'apprentissage éthique?

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1 Introduction

2 Bibliographic study

2.1 let's start with an example

2.2 Causation vs Association

2.3 Paper : Judea Pearl

see [1]

One of the best paper so far. It explains clearly the difference between the causal concept and the associational concept (for example : correlation). The first concept ...

2.4 Notations

see [2] and [3]

2.5 definition of counterfactual

2.6 Simpson's paradoxe

2.7 Average Causal Effect

see [3]

3 Definition of the causality

Perhaps the most important message of the discussion and methods presented in this paper would be a widespread awareness that (1) all studies concerning causal relations must begin with causal assumptions of some sort and (2) that a friendly and formal language is currently available for articulating such assumptions.[1]

[4]

References

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