

Publish

Simpson Paradox.
writing itself.

LATEX,
Graph / Inkspace,
Note Collection.

- Sources.
- | | |
|----------------|---|
| writing notes. | - if previous reference management is not 100% clear, try to build from the ground. |
| Citations. | - the structure of "Understand Simpson Paradox" |
| graphs. | - KDD, & related citations. |
- = Examples in SP, how they interpret. Support counter.

Application (test & practice)

Do-Why → Microsoft

Dingo

Expert System.

XAI.

Capuchin, similar algo.
HypDB.

Theory:

Graph.

XAI

Intervention & Counterfactual

- o Have enough patience to build the structure of the whole system.
- o A lot of real-world data is not generated in the same way as the data that we use to train AI models, this means that M.L. models often aren't robust enough to handle changes in the input data type, and can't always generate well.

THE SEVEN PILLARS OF CAUSAL WISDOM

Possible Application Area of Causality.

- Pillar 1: Graphical models for prediction and diagnosis
- Pillar 2: Deconfounding policy analysis
- Pillar 3: Algorithmization of counterfactuals
- Pillar 4: Mediation analysis and the assessment of direct and indirect effects
- Pillar 5: External validity and sample selection bias
- Pillar 6: Missing data
- Pillar 7: Causal discovery



THE SEVEN PILLARS OF CAUSAL WISDOM

Application Examples.

- Pillar 1: Graphical models for prediction and diagnosis
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Capuchin.

Pillar 5: External validity and sample selection bias

Pillar 6: Missing data

Pillar 7: Causal discovery

↓ ↓
Drug2Drug. Heterogenous
Link Discovery.

Simpson
Paradox

Especially.
COVID → Counterfactuals.

