

MeDIL Causal Models

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The Problem:

- measurement variables
- with dependencies induced by unobserved latent variables
- e.g., psychometric data, neuroimaging (fMRI, calcium imaging)
- question: learn latent causal structure?

Our Solution:

- does not assume linearity or (non-) Gaussianity
- instead leverages interesting graph-theoretic properties of MeDIL causal models
- result: nonparametric method for finding minimal causally sufficient latent graphical model

Thank you!! Visit me at my poster!