List of papers
Causality: inferring and reasoning with causal relations

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1. *An Introduction to Causal Graphical Models*, V. Kumar, A. Capiln, C. Park, S. Gordon, L. Schulman
2. *Equivalence and Synthesis of Causal Models*, T. S. Verma, J. Pearl. Proceedings of the Sixth Annual Conference on Uncertainty in Artificial Intelligence, 1990
3. *Graphical aspects of causal models*, T. S. Verma. Technical report R-191, UCLA, 1993
4. *Finding Minimal d-separators in Linear Time and Applications*, Benito van der Zander, Maciej Liskiewicz, Proceedings of The 35th Uncertainty in Artificial Intelligence Conference, PMLR 115:637-647, 2020
5. *An algorithm for deciding if a set of observed independencies has a causal explanation*, T. Verma, J. Pearl. Proceedings of the Eighth Conference on Uncertainty in Artificial Intelligence, 1992
6. *Causal inference and causal explanation with background knowledge*, C. Meek. Proceedings of the Eleventh Conference on Uncertainty in Artificial Intelligence, 1995
7. *A characterization of Markov equivalence classes for acyclic digraphs*, S. A. Andersson and D. Madigan and M. D. Perlman. Annals of Statistics, 1997
8. *Learning equivalence classes of bayesian-network structures*, D. M. Chickering. JMLR, 2002
9. *Learning belief networks in the presence of missing values and hidden variables*, N. Friedman, 1997
10. *Optimal structure identification with greedy search*, D. M. Chickering, 2002
11. *Causal discovery with attention-based convolutional neural networks*, M. Nauta, D. Bucur, C. Seifert, 2019
12. *Statistically Efficient Greedy Equivalence Search*, D. M. Chickering, 2020
13. *On the completeness of orientation rules for causal discovery in the presence of latent confounders and selection bias*, J. Zhang. Artificial Intelligence, 2008
14. *Towards Characterizing Markov Equivalence Classes for Directed Acyclic Graphs with Latent Variables*, A. Ali, T. Richardson, P. Spirtes, J. Zhang. Proceedings of the Eleventh Conference on Uncertainty in Artificial Intelligence, 2005
15. *A Polynomial Time Algorithm for Determining DAG Equivalence in the Presence of Latent Variables and Selection Bias*, P. Spirtes, T. Richardson. Proceedings of the Sixth International Workshop on Artificial Intelligence and Statistics, 1997
16. *Weakening faithfulness: some heuristic causal discovery algorithms*, Zhalma, J. Zhang, W. Mayer. International Journal of Data Science and Analytics, 2017

17. *Order-Independent Constraint-Based Causal Structure Learning*, D. Colombo, M. Maathuis. JMLR, 2014

18. *Learning high-dimensional directed acyclic graphs with latent and selection variables*, D. Colombo, M. Maathuis, M. Kalisch, T. Richardson. The Annals of Statistics, 2011

19. *Uniform Consistency in Causal Inference*, J. Robins. Biometrika, 2003

20. *Estimating High-Dimensional Directed Acyclic Graphs with the PC-Algorithm*, M. Kalisch, P. Bühlmann. JMLR, 2007

21. *Discovering contemporaneous and lagged causal relations in autocorrelated nonlinear time series datasets*, J. Runge. Proceedings of the 36th Conference on Uncertainty in Artificial Intelligence, 2020

22. *DirectLiNGAM: A Direct Method for Learning a Linear Non-Gaussian Structural Equation Model*, S. Shimazu, T. Inazumi, Y. Sogawa, A. Hyvarinen, Y. Kawahara, T. Washio, P. Hoyer, K. Bollen. JMLR, 2011

23. *Nonlinear causal discovery with additive noise models*, P. Hoyer, D. Janzing, J. Mooij, J. Peters, B. Schölkopf. Neurips, 2008

24. *Causal Discovery with Continuous Additive Noise Models*, J. Peters, J. Mooij, D. Janzing, B. Schölkopf. JMLR, 2014

25. *Causal inference from noise*, N. Climenhaga, L. DesAutels, G. Ramsey. Noûs, 2019

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27. *A Linear Non-Gaussian Acyclic Model for Causal Discovery*, S. Shimazu, P. Hoyer, A. Hyvarinen, A. Kerminen. JMLR, 2006

28. *Causal Inference on Time Series using Restricted Structural Equation Models*, J. Peters, D. Janzing, B. Schölkopf. Neurips, 2013

29. *A Crash Course in Good and Bad Control*, C. Cinelli, A. Forney, J. Pearl. Sociological Methods and Research, 2022

30. *Simpson's paradox in psychological science: A practical guide*, R. Kievit, W. Frankenhuis, L. Waldorp, D. Borsboom. Frontiers in Psychology, 2013

31. *Complete identification methods for the causal hierarchy*, Shpitser and Pearl, JMLR 2008

32. *Estimation and Inference of Heterogeneous Treatment Effects using Random Forests*, Stefan Wager and Susan Athey, JASA 2015

33. *Bounding the Family-Wise Error Rate in Local Causal Discovery using Rademacher Averages*, Dario Simionato and Fabio Vandin, ECMLPKDD 2022

34. *Beware of the Simulated DAG! Causal Discovery Benchmarks May Be Easy To Game*, Alexander G. Reisach, Christof Seiler, Sebastian Weichwald, NeurIPS 2021

35. *Learning Causal Semantic Representation for Out-of-Distribution Prediction*, C. Liu, X. Sun,, J. Wang, H. Tang, T. Li, T? Qin, W. Chen, T.-Y. Liu, NeurIPS 2021

36. *Desiderata for representation learning*, Y. Wang, M. Jordan, arXiv:2019.03795v2 202é