

List of papers

Causality: inferring and reasoning with causal relations

1. *On Efficient Adjustment in Causal Graphs*, Janine Witte, Leonard Henckel, Marloes H. Maathuis, Vanessa Didelez. JMLR, 2020. <https://jmlr.org/papers/v21/20-175.html>
2. *Distributional Random Forests: Heterogeneity Adjustment and Multivariate Distributional Regression*, Covid, Michel, Näh, Bühlmann, Meinshausen. JMLR, 2022. <https://www.jmlr.org/papers/volume23/21-0585/21-0585.pdf>
3. *Causal structure-based root cause analysis of outliers*, Kailash Budhathoki, Lenon Minorics, Patrick Bloebaum, Dominik Janzing. Proceedings of the 39th International Conference on Machine Learning, PMLR, 2022. <https://proceedings.mlr.press/v162/budhathoki22a/budhathoki22a.pdf>
4. *Score Matching Enables Causal Discovery of Nonlinear Additive Noise Models*, Paul Rolland, Volkan Cevher, Matthäus Kleindessner, Chris Russell, Dominik Janzing, Bernhard Schölkopf, Francesco Locatello. Proceedings of the 39th International Conference on Machine Learning, PMLR, 2022. <https://proceedings.mlr.press/v162/rolland22a/rolland22a.pdf>
5. *Establishing Markov equivalence in cyclic directed graphs*, Tom Claassen, Joris M. Mooij. Proceedings of the Thirty-Ninth Conference on Uncertainty in Artificial Intelligence, PMLR, 2023. <https://proceedings.mlr.press/v216/claassen23a/claassen23a.pdf>
6. *On Identifiability of Conditional Causal Effects*, Yaroslav Kivva, Jalal Etesami, Negar Kiyavash. Proceedings of the Thirty-Ninth Conference on Uncertainty in Artificial Intelligence, PMLR, 2023. <https://proceedings.mlr.press/v216/kivva23a/kivva23a.pdf>
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9. *On Learning Necessary and Sufficient Causal Graphs*, Hengrui Cai, Yixin Wang, Michael Jordan, and Rui Song. NeurIPS 2023. <https://arxiv.org/pdf/2301.12389.pdf>
10. *Simple Sorting Criteria Help Find the Causal Order in Additive Noise Models*, Alexander G. Reisach, Myriam Tami, Christof Seiler, Antoine Chambaz, Sebastian Weichwald, NeurIPS 2023. <https://arxiv.org/abs/2303.18211>
11. *A Causal Framework for Decomposing Spurious Variations*, Drago Plecko and Elias Bareinboim. NeurIPS 2023. <https://causalai.net/r93.pdf>

12. *Learning Linear Causal Representations from Interventions under General Nonlinear Mixing*, Simon Buchholz, Goutham Rajendran, Elan Rosenfeld, Bryon Aragam, Bernhard Schölkopf, Pradeep Ravikumar, NeurIPS 2023. <https://arxiv.org/abs/2306.02235>
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17. *Causal Discovery with Score Matching on Additive Models with Arbitrary Noise*, F Montagna, N Noceti, L Rosasco, K Zhang, F Locatello. ArXiv. <https://arxiv.org/pdf/2304.03265.pdf>
18. *Results on Counterfactual Invariance*, J Fawkes, RJ Evans. ArXiv. <https://arxiv.org/pdf/2307.08519.pdf>
19. *To Impute or not to Impute? Missing Data in Treatment Effect Estimation*, Jeroen Berrevoets, Fergus Imrie, Trent Kyono, James Jordon, Mihaela van der Schaar. Proceedings of The 26th International Conference on Artificial Intelligence and Statistics, PMLR, 2003. <https://proceedings.mlr.press/v206/berrevoets23a/berrevoets23a.pdf>
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26. *Understanding the Impact of Competing Events on Heterogeneous Treatment Effect Estimation from Time-to-Event Data*, Alicia Curth and Mihaela van der Schaar. Proceedings of The 26th International Conference on Artificial Intelligence and Statistics, PMLR, 2023. <https://proceedings.mlr.press/v206/curth23a/curth23a.pdf>

27. *Monotonicity: Detection, Refutation, and Ramification*, Scott Mueller and Judea Pearl. TECHNICAL REPORT, 2023. https://ftp.cs.ucla.edu/pub/stat_ser/r529.pdf
28. *Probabilities of Causation: Role of Observational Data*, Ang Li, Judea Pearl. Proceedings of The 26th International Conference on Artificial Intelligence and Statistics, PMLR, 2023. <https://proceedings.mlr.press/v206/li23d/li23d.pdf>
29. *Independence Testing-Based Approach to Causal Discovery under Measurement Error and Linear Non-Gaussian Models*, Haoyue Dai, Peter Spirtes, Kun Zhang. NeurIPS 2022, 2022. https://proceedings.neurips.cc/paper_files/paper/2022/file/b05bffe1ef937677ef0e32f027b4c80-Paper-Conference.pdf