



Machine Learning and Causal Inference

Guest Editor:

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Deadline for manuscript
submissions:

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Message from the Guest Editor

This Special Issue focuses on theoretical and methodological research that is relevant to any intersection of causality and machine learning. The Special Issue encourages submissions of original papers on topics including but not limited to: causal discovery, causal inference, counterfactual inference, graphical models, fair AI, explainable AI (XAI), transfer learning, causal representation learning, machine learning for decision-making, recommender system, computer vision, and natural language processing.

The Special Issue of interest includes, but are not limited to:

- causal structure discovery
- causal effect estimation
- causal representation learning
- causal generative models
- implications of the principle of independent causal mechanisms (ICM) for machine learning
- fairness, accountability, transparency, explainability and trustworthiness in artificial intelligence
- algorithmic recourse
- transfer learning and domain adaptation
- foundational theories of causal inference
- applications of causal inference to real-world problems





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Message from the Editor-in-Chief

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