



Bayesian Networks: Parameter and Structure Learning with Their Real-World Applications for Decision Making

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Deadline for manuscript
submissions:

1 April 2025

Message from the Guest Editor

Dear Colleagues,

I am pleased to warmly welcome you to contribute to this Special Issue of *Mathematics*, centering on "Bayesian Networks: Parameter and Structure Learning with Their Real-World Applications for Decision Making". The primary aim of this Special Issue is to feature advanced research and innovative advancements in the dynamic field of Bayesian Networks. It underscores the increasing significance of parameter learning and model fitting as pivotal components and presents practical applications for decision making.

My objective is to unite a varied range of interdisciplinary perspectives, cultivating enriching discussions and collaborations among researchers from both academia and industry. I am enthusiastic about your contributions and engagement in this intellectual journey!

Keywords

- additive Bayesian networks
- dynamic Bayesian networks
- decision sciences
- choice of the prior distribution
- factorization of the joint probability
- score functions





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Message from the Editor-in-Chief

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