WEBINAR

Advances in Bayesian Networks

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ABSTRACT

Bayesian networks are a versatile and powerful tool to model complex phenomena and the interplay of their components in a probabilistically principled way. Moving beyond the comparatively simple case of completely observed, static data, which has received the most attention in the literature, in this paper, we will review how Bayesian networks can model dynamic data, data with incomplete observations, and how they can be used as causal models. Such topics are at the forefront of research and practical applications, and Bayesian networks are uniquely positioned to model them due to their explainability and interpretability.