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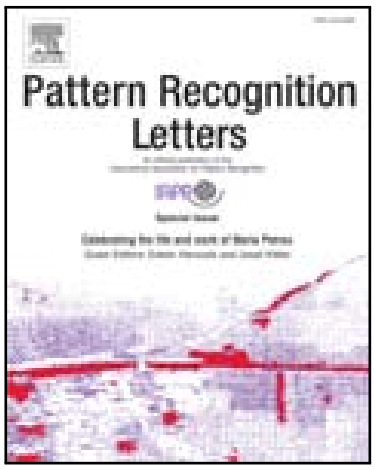


# Bayesian Belief Network for Positive Unlabeled Learning with Uncertainty

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**Research Highlights (Required)**

- UPTAN, a Bayesian network, for uncertain data under PU learning scenario is given.
- Uncertain Conditional Mutual Information (UCMI) is proposed.
- The algorithm for learning the structure of the Bayesian network is given.
- The approach for estimating parameters of the Bayesian network is given.
- UPTAN outperforms UPNB, a state-of-art algorithm, in our experiment.

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