

## Constructing a Probabilistic Ontology from a DBLP Data

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**Abstract :** Every model for knowledge representation to model real-world applications must be able to cope with the effects of uncertain phenomena. One of main defects of classical ontology is its inability to represent and reason with uncertainty. To remedy this defect, we try to propose a method to construct probabilistic ontology for integrating uncertain information in an ontology modeling a set of basic publications DBLP (Digital Bibliography & Library Project) using a probabilistic model.

**Keywords :** classical ontology, probabilistic ontology, uncertainty, Bayesian network

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