PR-OWL: Probabilistic Web Ontology Language

Walter Perez Urcia

Universidade de São Paulo Instituto de Matemática e Estadística Departamento de Ciências da Computação

Outubro 2015

Outline

- Motivation
- 2 Definitions
- 3 Applications

Motivation

Definitions

Applications

- The proposed heuristics lead to better solutions on average, and increase the convergence of the search with only a small overhead
- Larger diferences for datasets with more variables are expected
- Our proposed techniques could return directed acyclic graphs instead of node orderings to be used for Structure- and Equivalence-based search approaches
- Employ the proposed heuristics in branch-and-bound solvers for finding optimal solutions

Conclusions and Future Work

Thanks!

PR-OWL: Probabilistic Web Ontology Language

Walter Perez Urcia

Universidade de São Paulo Instituto de Matemática e Estadística Departamento de Ciências da Computação

Outubro 2015