ECML-PKDD 2012

European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases

September 24th - 28th, 2012, Bristol, United Kingdom

Meta-Reviews For Paper

Track 1. Research track

Paper ID 500

Title Log-Linear Inference Models for Bayes Nets Applied to

Relational Data

Masked Meta-Reviewer ID: Meta_Reviewer_1

Meta-Reviews:

Question

above). Papers that excel on one of these criteria should be given preference over papers that are average in all. While the idea of log-linear relational models derived from relational Bayesian networks is certainly interesting since it starts to explore the space between directed an undirected relational probabilistic models, this idea has been essentially		that excel on one of these criteria should be given preference over papers that are	The reviewers agree that the paper definitely has promise. The presentation is good and the approach presented is sound. However, the reviews and in particular the discussion also indentified some difficulties. While the idea of log-linear relational models derived from relational Bayesian networks is certainly interesting since it starts to explore the space between directed and undirected relational probabilistic models, this idea has been	d
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already published , see e.g. [2,10,13] as also indicated by the

authors (page 8, beginning of Section 5). So the main

contribution left is the idea of using frequencies instead of

counts. Here, however, there is no clear winner, see

Tables 2&3. Only for the MovieLens dataset there seems to be

a significant difference. Otherwise using counts or frequencies

are essentially on par. Unfortunately, no significance test results are provided.

To summarize:

- low originality
- for frequencies vs. counts, there is not clear winner

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