View Meta-Reviews

Paper ID

6765

Paper Title

The Complexity of Morality: Checking Markov Blanket Consistency with DAGs via Morality

META-REVIEWER #1

META-REVIEW QUESTIONS

1. Please recommend a decision for this submission.

Reject

3. Please provide a meta-review for this submission. Your meta-review should explain your decision to the authors. Your comments should augment the reviews, and explain how the reviews, author response, and discussion were used to arrive at your decision. Dismissing or ignoring a review is not acceptable unless you have a good reason for doing so. If you want to make a decision that is not clearly supported by the reviews, perhaps because the reviewers did not come to a consensus, please justify your decision appropriately, including, but not limited to, reading the submission in depth and writing a detailed meta-review that explains your decision.

Clever characterisation of morality of a graph, proof that max.degree 4 admits a polynomial-time algorithm while degree 5 onwards is NP-hard. Some basic computational complexity facts have been mistaken in the submission. Nice theoretical results about graphs, but with an arguably weak connection to NeurIPS (both in theoretical and applied terms). If a stronger connection is made and some fixes are applied to the manuscript, it will have great potential of acceptance.