

Review of: "Beyond Algorithms: A Framework for Ethical Assessment of AI Applications in Industry"

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Potential competing interests: No potential competing interests to declare.

Beyond Algorithms: A Framework for Ethical Assessment of AI Applications in Industry

1. Objective and Methodological Rigor:

(This paper presents a novel framework for the ethical assessment of AI applications. This framework moves beyond technical compliance towards an approach that is ethically driven. The cornerstone of the development of this framework is the ethical pillars of trustworthy AI established by the European Union (EU).

This paper shows the assimilation of work on developing a framework to assess the ethics of AI applications in industry, specifically manufacturing.

This work is established based on the foundational knowledge on the ethics of AI, which makes the content of this framework an effective educational reference that can be used in training employees on the ethics of using AI systems).

1. Clarity and Coherence:

The paper is clear, and there is coherence between all the sections Objective, methodology, conclusion. But we believe that 4 or 5 case study applications in the real world will be helpful to prove suitability and agility in adaptation to different manufacturing and to innovation in future technologies.

1. Adequacy of Literature Review:

The literature review is good and represents the subject with 31 papers What is missing is some notion about the success factors and a comparison with other frameworks, such as ISO, for example. If we adopt this framework, is it easy to migrate to ISO accreditation, for example?

1. Evaluate whether strengths and weaknesses.

The authors have not **sufficiently discussed the strengths and weaknesses of their proposition.**

1. Contributions and Novelty:

Without some applications in the real world, it is difficult to evaluate the novelty and contributions of the paper. The content does not offer a clear new insight upon existing research in the field.

1. **Writing Style and Presentation:** Overall, the writing style, organization, and presentation of the paper are correct.
2. **Adding a detailed guide for application and especially for grading the answer to the question can be helpful to uniformize the results of the evaluations by different groups.**
3. **Decision:** Accept with some changes that answer the comments.