

Peer Review

Review of: "Picture Fuzzy, Hesitant Fuzzy, and Spherical Fuzzy SuperHyperGraph"

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Overview

This manuscript introduces Picture Fuzzy, Hesitant Fuzzy, and Spherical Fuzzy Super-Hyper-Graphs and presents a concise discussion of their basic properties. The proposed framework offers a clear, hierarchical representation of complex real-world networks and shows strong promise for diverse decision-making applications. The topic is well aligned with the journal's scope, the definitions are formally sound, and the overall structure is coherent.

Recommendation

I recommend acceptance after minor revisions.

Detailed Comments

Related Work: If there are additional studies on SuperHyperGraphs in the literature, please cite and briefly discuss them to situate your contribution.

Proof Verification: The proofs appear correct, but it would strengthen the paper to double-check each argument for completeness and clarity.

Language and Presentation: Carefully proofread the manuscript to eliminate any typographical errors or formatting inconsistencies.

Illustrative Examples: If space permits, include one or two concrete examples or case studies to demonstrate how these fuzzy Super-Hyper-Graphs can be applied in practice.

References: Verify that there are no duplicate entries in the bibliography and that all citations follow a consistent style.

Final Layout Check: Before final submission, ensure that no text or figures are cut off and that all page elements render correctly.

Authors did not cite recent papers in the reference section. Authors should cite the papers which are as follows-

- a) Interval-valued m-polar fuzzy planar graph and its application, Artificial Intelligence Review (2021) 54:1649-1675.
- b) "An investigation on m-polar fuzzy tolerance graph and its application- Neural Computing and Applications, 2022
- c) An investigation on m-polar fuzzy threshold graph and its application on resource power controlling system, Journal of Ambient Intelligence and Humanized Computing, <https://doi.org/10.1007/s12652-021-02914-6>.
- d) Competition graphs under interval-valued m-polar fuzzy environment and its application Computational and Applied Mathematics, <https://doi.org/10.1007/s40314-022-01987-z>

Attachments: available at <https://doi.org/10.32388/MZLICS>

Declarations

Potential competing interests: No potential competing interests to declare.