

Review of: "Improved Cosine Similarity Measures for q-Rung Orthopair Fuzzy Sets"

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Potential competing interests: No potential competing interests to declare.

The paper proposes novel cosine measures for q-ROFSs. The limitations of the existing approaches are highlighted; more specifically, the authors show that traditional cosine similarity measures neglect the lengths of the vectors. The novel approach uses a length difference control term, as an improvement over the existing formula. The paper presents a proof that the novel similarity measure is equal to one if and only if the q-ROFSs are identical.

The paper is clear, precise, and well-written. I missed some real-world scenarios illustrating the novel approach as opposed to the traditional ones. This would increase the audience of the paper.