

# 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.

This paper proposes an improved cosine similarity measurement, which considers both the direction and the length between two vectors. However, the method proposed in this paper lacks innovation and experimental evidence to prove its effectiveness. The overall content of this work is insufficient, and I believe it is not suitable for acceptance. The following are suggestions for improving the paper.

- 1) In Section 1, innovations 1 and 2 express the same meaning and should be merged into one innovation.
- 2) In Section 4, the citation trend should be included in Section 1 to showcase the development status of relevant research, rather than in the conclusion section of the article.
- 3) The new similarity measurement proposed in this paper, while demonstrating some degree of innovation, lacks sufficient content to sustain an entire research paper.
- 4) This paper lacks experiments to demonstrate the application of the proposed method. And it also lacks comparative experiments to prove its effectiveness.