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Peer Review

Review of: "Quantifying Hot Topic Dynamics in Scientific Literature: An Information-Theoretical Approach"

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Following the evolution of research topics is important, and this study explains some existing methods such as dynamic topic modeling and neural topic models, co-occurrence networks, and their disadvantages. Therefore, the authors introduce a metric-based framework. The normalized variation of information (NVI) distances are computed so that annual concept networks are constructed. Then, using velocity matrices, semantic change is measured, and Minimum Spanning Tree (MST) analysis is applied to extract major trends. More explanation is needed about how they construct the distance matrix.

The paper is well-structured, and the method, results, and discussion are good enough. I believe it is proper for publishing in your journal.

Declarations

Potential competing interests: No potential competing interests to declare.

doi.org/10.32388/M41UVA