

Peer Review

Review of: "Improve the Performance of Search Processes in Large Linked Lists using Multi-threading and Caching Techniques"

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Overall Evaluation of the Manuscript:

Overall, the manuscript presents a well-structured study on improving search efficiency in large linked lists using multi-threading and caching techniques. The research is relevant to modern computational applications and provides valuable insights into optimizing search operations. The methodology is clearly defined, and the experimental evaluation supports the proposed approach.

However, the manuscript requires some **improvements in organization and clarity**. Specifically:

- The **dataset section** should be placed under the **methodology** rather than after the literature review.
- A **recommendation section** should be added to provide practical guidance for implementing the algorithm.
- The **future work section** should be expanded to discuss additional challenges and potential optimizations.

Additionally, while the manuscript presents a strong technical foundation, a **more detailed comparison with existing methods** and their advantages or limitations would further enhance its contribution. Addressing these areas will improve the manuscript's readability and impact.

Attachments: available at <https://doi.org/10.32388/YP89BH>

Declarations

Potential competing interests: No potential competing interests to declare.