

Retrieval-Augmented Language Models in Knowledge-Intensive Task Performance

Assignee Research

June 6, 2026

Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: How does retrieval augmentation improve language model performance on knowledge-intensive tasks v9. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: RAG over Tables: Hierarchical Memory Index, Multi-Stage Retrieval, and Benchmarking. Research question: How does retrieval augmentation improve language model performance on knowledge-intensive tasks v9.

2 Methodology

Systematic literature search across multiple databases yielded 15 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 5.2/10.

3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 5.2/10.

4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

References

- <http://arxiv.org/abs/2207.03030v1>
- <http://arxiv.org/abs/2504.01346v4>
- <http://arxiv.org/abs/2604.18234v1>