Query-Type Specific Retriever Ensembles Boost Dense Retrieval Accuracy on Noisy NaturalQuestions Data

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Abstract

This report synthesises findings from 16 peer-reviewed papers addressing the following research question: What is the impact of incorporating query-type specific retriever ensembles on the retrieval accuracy of dense retrieval models when tested on the NaturalQuestions benchmark with noisy,. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 6.0/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Analysing the Robustness of Dual Encoders for Dense Retrieval Against Misspellings. Research question: What is the impact of incorporating query-type specific retriever ensembles on the retrieval accuracy of dense retrieval models when tested on the NaturalQuestions benchmark with noisy, user-generated text inputs?.

2 Methodology

Systematic literature search across multiple databases yielded 16 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 6.0/10.

3 Results

16 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 6.0/10.

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/2205.02303v1
- http://arxiv.org/abs/2408.07303v2
- http://arxiv.org/abs/2210.05156v2