

Impact of Document Preprocessing Pipelines on Multi-Hop QA Reasoning Accuracy in Qwen2.5 and CLIP-Based Models

Assignee Research

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Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: What is the effect of different document preprocessing pipelines (OCR, layout encoding) on the reasoning accuracy of Qwen2.5 in multi-hop QA tasks like DocHop-QA, and how does it compare to. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.0/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: DocHop-QA: Towards Multi-Hop Reasoning over Multimodal Document Collections. Research question: What is the effect of different document preprocessing pipelines (OCR, layout encoding) on the reasoning accuracy of Qwen2.5 in multi-hop QA tasks like DocHop-QA, and how does it compare to CLIP-based models?.

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 5.0/10.

3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 5.0/10.

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/2306.09265v1>
- <http://arxiv.org/abs/2308.12966v3>
- <http://arxiv.org/abs/2508.15851v2>