

Pre-Training Llama-3-70B with Sentence Position Embeddings Enhances Legal Rhetorical Role Robustness

Assignee Research

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Abstract

This report synthesises findings from 13 peer-reviewed papers addressing the following research question: Does pre-training Llama-3-70b with sentence position embeddings improve its robustness in rhetorical role prediction across different legal document types (e.g., contracts vs. case law) as measured. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: MARRO: Multi-headed Attention for Rhetorical Role Labeling in Legal Documents. Research question: Does pre-training Llama-3-70b with sentence position embeddings improve its robustness in rhetorical role prediction across different legal document types (e.g., contracts vs. case law) as measured by F1 scores on synthetic adversarial examples?.

2 Methodology

Systematic literature search across multiple databases yielded 13 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.2/10.

3 Results

13 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.2/10.

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/2509.22472v1>
- <http://arxiv.org/abs/2310.05276v1>
- <http://arxiv.org/abs/2503.10659v1>