

Domain-Specific Fine-Tuning On Legal Corpora Performance On The Zero-Shot Performance Of Baichuan-2 On The Legalbench

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Abstract

This report synthesises findings from 10 peer-reviewed papers addressing the following research question: How does domain-specific fine-tuning on legal corpora affect the zero-shot performance of Baichuan-2 on the LegalBench benchmark compared to models fine-tuned on general domains. Realizing the recent advances in Natural Language Processing (NLP) to the legal sector poses challenging problems such as extremely long sequence lengths, specialized vocabulary that is usually only understood by legal professionals, and high amounts of data imbalance. The 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 4.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Large Language Models are legal but they are not: Making the case for a powerful LegalLLM. Research question: How does domain-specific fine-tuning on legal corpora affect the zero-shot performance of Baichuan-2 on the LegalBench benchmark compared to models fine-tuned on general domains?.

2 Methodology

Systematic literature search across multiple databases yielded 10 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 4.2/10.

3 Results

10 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 4.2/10.

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/2604.18878v1>
- <http://arxiv.org/abs/2310.05276v1>
- <http://arxiv.org/abs/2311.08890v1>