

Early-Layer LoRA vs. Full-Parameter Fine-Tuning for Zero-Shot XNLI in Amharic and Hausa

Assignee Research

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Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: How does early-layer LoRA fine-tuning affect zero-shot XNLI accuracy for Amharic and Hausa compared to full-parameter fine-tuning when using the Lughu-Llama backbone. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.7/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Zero-Shot Cross-Lingual Transfer using Prefix-Based Adaptation. Research question: How does early-layer LoRA fine-tuning affect zero-shot XNLI accuracy for Amharic and Hausa compared to full-parameter fine-tuning when using the Lughu-Llama backbone?.

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 5.7/10.

3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 5.7/10.

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/2510.24619v1>
- <http://arxiv.org/abs/2506.15415v1>
- <http://arxiv.org/abs/2204.06487v3>