

Cross-Lingual Alignment Methods vs. SFT Baselines on RxR-CE Low-Resource Subsets

Assignee Research

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Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: How does the performance of cross-lingual alignment methods like Oracle-RLAIF on the RxR-CE benchmark compare to standard SFT baselines across low-resource language subsets. Reinforcement Learning from Human Feedback (RLHF) is crucial for aligning Large Language Models (LLMs) with human values. However, RLHF has been continuously challenged by its high complexity in implementation and computation consumption, specifically for online sampling-based. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.0/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: RLHF in an SFT Way: From Optimal Solution to Reward-Weighted Alignment. Research question: How does the performance of cross-lingual alignment methods like Oracle-RLAIF on the RxR-CE benchmark compare to standard SFT baselines across low-resource language subsets?.

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 3.0/10.

3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.0/10.

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/2502.11026v3>
- <http://arxiv.org/abs/2510.07074v1>
- <http://arxiv.org/abs/2506.15415v1>