

Multitask Learning with Shared Parameters Enhances Few-Shot Cross-Lingual Retrieval on XOR-TyDi QA

Assignee Research

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Abstract

This report synthesises findings from 13 peer-reviewed papers addressing the following research question: How does multitask learning with shared aspect-dependent parameters improve few-shot cross-lingual retrieval accuracy on XOR-TyDi QA compared to single-task hyperbolic contrastive models. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 6.7/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: MIA 2022 Shared Task Submission: Leveraging Entity Representations, Dense-Sparse Hybrids, and Fusion-in-Decoder for Cross-Lingual Question Answering. Research question: How does multitask learning with shared aspect-dependent parameters improve few-shot cross-lingual retrieval accuracy on XOR-TyDi QA compared to single-task hyperbolic contrastive models?.

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 6.7/10.

3 Results

13 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 6.7/10.

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/2010.11856v3>
- <http://arxiv.org/abs/2509.22490v1>
- <http://arxiv.org/abs/2207.01940v3>