Java-Specific vs. Multilingual Pretraining for Code Generation on MBXP

Assignee Research

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Abstract

This report synthesises findings from 11 peer-reviewed papers addressing the following research question: How does the pretraining of JaCoText on Java-specific corpora compare to models pretrained on multilingual code corpora in terms of pass@10 performance on the MBXP (Multilingual Benchmark for. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.5/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Evaluating the Limits of Large Language Models in Multilingual Legal Reasoning. Research question: How does the pretraining of JaCoText on Java-specific corpora compare to models pretrained on multilingual code corpora in terms of pass@10 performance on the MBXP (Multilingual Benchmark for Cross-language Code Generation)?.

2 Methodology

Systematic literature search across multiple databases yielded 11 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.5/10.

3 Results

11 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.5/10.

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/2303.12869v1
- http://arxiv.org/abs/2512.23214v1