

Java-Specific Pretraining in JaCoText and Its Impact on Multilingual Code Generation Performance

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Abstract

This report synthesises findings from 9 peer-reviewed papers addressing the following research question: How does pretraining on Java-specific corpora in JaCoText affect pass@k performance on multilingual code generation benchmarks compared to general-purpose code 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 4.0/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: JaCoText: A Pretrained Model for Java Code-Text Generation. Research question: How does pretraining on Java-specific corpora in JaCoText affect pass@k performance on multilingual code generation benchmarks compared to general-purpose code models?.

2 Methodology

Systematic literature search across multiple databases yielded 9 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 4.0/10.

3 Results

9 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 4.0/10.

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/2303.12869v1>
- <http://arxiv.org/abs/2407.14076v2>
- <http://arxiv.org/abs/2504.20900v1>