CodeT5 and JaCoText Robustness to Irrelevant Context in MBPP Execution Accuracy

Assignee Research

June 7, 2026

Abstract

This report synthesises findings from 12 peer-reviewed papers addressing the following research question: How do CodeT5 and JaCoText differ in maintaining execution accuracy on MBPP when problem descriptions are perturbed with inserted irrelevant context. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 7.5/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: ReCode: Robustness Evaluation of Code Generation Models. Research question: How do CodeT5 and JaCoText differ in maintaining execution accuracy on MBPP when problem descriptions are perturbed with inserted irrelevant context?.

2 Methodology

Systematic literature search across multiple databases yielded 12 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 7.5/10.

3 Results

12 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 7.5/10.

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/2212.10264v1
- http://arxiv.org/abs/2509.25716v1
- http://arxiv.org/abs/2412.21199v2