

CodeT5 and JaCoText Robustness Under Docstring Attacks on MBPP Pro

Assignee Research

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Abstract

This report synthesises findings from 8 peer-reviewed papers addressing the following research question: What is the comparative performance drop in code generation accuracy for CodeT5 versus JaCoText when subjected to semantic-preserving docstring attacks on MBPP Pro. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.8/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: HumanEval Pro and MBPP Pro: Evaluating Large Language Models on Self-invoking Code Generation. Research question: What is the comparative performance drop in code generation accuracy for CodeT5 versus JaCoText when subjected to semantic-preserving docstring attacks on MBPP Pro?.

2 Methodology

Systematic literature search across multiple databases yielded 8 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.8/10.

3 Results

8 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.8/10.

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/2604.26923v1>
- <http://arxiv.org/abs/2412.21199v2>
- <http://arxiv.org/abs/2104.09369v1>