

Fine-Tuning Effects on CodeT5+ and Code Llama Exact Match Accuracy in ReCode Semantic Tasks

Assignee Research

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Abstract

This report synthesises findings from 8 peer-reviewed papers addressing the following research question: What is the impact of fine-tuning on the exact match accuracy of CodeT5+ versus Code Llama when evaluated on the ReCode benchmark's semantic preservation tasks. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.3/10. 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: What is the impact of fine-tuning on the exact match accuracy of CodeT5+ versus Code Llama when evaluated on the ReCode benchmark's semantic preservation tasks?.

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 3.3/10.

3 Results

8 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.3/10.

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/2501.16273v2>
- <http://arxiv.org/abs/2212.10264v1>
- <http://arxiv.org/abs/2303.16199v3>