Multimodal Extensions to CodeT5: Accuracy and Robustness Trade-offs Under Adversarial Training

Assignee Research

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Abstract

This report synthesises findings from 4 peer-reviewed papers addressing the following research question: How do multimodal extensions to CodeT5 influence the trade-off between clean accuracy and adversarial robustness when adversarial training is applied, evaluated on both the MBXP Python subset and a. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Deep Search for Joint Sources of Gravitational Waves and High-Energy Neutrinos with IceCube During the Third Observing Run of LIGO and Virgo. Research question: How do multimodal extensions to CodeT5 influence the trade-off between clean accuracy and adversarial robustness when adversarial training is applied, evaluated on both the MBXP Python subset and a text-to-image code generation task?.

2 Methodology

Systematic literature search across multiple databases yielded 4 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 5.2/10.

3 Results

4 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 5.2/10.

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/2601.07595v3
- http://arxiv.org/abs/0901.0512v4
- http://arxiv.org/abs/1411.4413v2