Procedural Pretraining Enhances CodeT5 Resilience Against Adversarial Syntax Attacks

Assignee Research

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Abstract

This report synthesises findings from 9 peer-reviewed papers addressing the following research question: Does procedural pretraining improve CodeT5's pass@1 metrics on the HumanEval benchmark compared to standard web-scale pretraining when evaluating resilience against syntax-preserving adversarial. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 2.5/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: On the Adversarial Robustness of Vision Transformers. Research question: Does procedural pretraining improve CodeT5's pass@1 metrics on the HumanEval benchmark compared to standard web-scale pretraining when evaluating resilience against syntax-preserving adversarial attacks?.

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 2.5/10.

3 Results

9 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 2.5/10.

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/2306.11066v2
- http://arxiv.org/abs/2601.21725v2
- http://arxiv.org/abs/2103.15670v3