

# Adversarial Pretraining Enhances CodeT5 Robustness in Low-Resource Syntax Variations

Assignee Research

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## Abstract

This report synthesises findings from 13 peer-reviewed papers addressing the following research question: What is the impact of incorporating adversarial code examples during pretraining of CodeT5 on its robustness to syntax variations in low-resource languages as measured by MBPP accuracy. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.5/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: Automated Collection of Evaluation Dataset for Semantic Search in Low-Resource Domain Language. Research question: What is the impact of incorporating adversarial code examples during pretraining of CodeT5 on its robustness to syntax variations in low-resource languages as measured by MBPP accuracy?.

## 2 Methodology

Systematic literature search across multiple databases yielded 13 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.5/10.

## 3 Results

13 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.5/10.

## 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/2305.00866v2>
- <http://arxiv.org/abs/2412.10008v1>
- <http://arxiv.org/abs/2012.08743v2>