Zero-Shot and Few-Shot Vulnerability Classification at 7B to 32B Scale

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Abstract

This report synthesises findings from 5 peer-reviewed papers addressing the following research question: How does increasing parameter scale from 7B to 32B impact zero-shot versus few-shot vulnerability classification accuracy on the Big-Vul dataset. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.7/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Zero- and Few-Shot Prompting with LLMs: A Comparative Study with Fine-tuned Models for Bangla Sentiment Analysis. Research question: How does increasing parameter scale from 7B to 32B impact zero-shot versus few-shot vulnerability classification accuracy on the Big-Vul dataset?.

2 Methodology

Systematic literature search across multiple databases yielded 5 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.7/10.

3 Results

5 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.7/10.

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/2210.12926v1
- http://arxiv.org/abs/2311.14544v1
- http://arxiv.org/abs/2308.10783v2