

Retrieval-Augmented Gemini 1.5 Pro and Llama3-70B Accuracy on CodeXGLUE Security Subset

Assignee Research

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Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: What is the accuracy difference between retrieval-augmented Gemini 1.5 Pro and Llama3-70B on the CodeXGLUE security subset when evaluated with few-shot learning versus zero-shot learning. The rapid expansion of the digital world has propelled sentiment analysis into a critical tool across diverse sectors such as marketing, politics, customer service, and healthcare. While there have been significant advancements in sentiment analysis for widely spoken languages, 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 6.8/10. 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: What is the accuracy difference between retrieval-augmented Gemini 1.5 Pro and Llama3-70B on the CodeXGLUE security subset when evaluated with few-shot learning versus zero-shot learning?.

2 Methodology

Systematic literature search across multiple databases yielded 15 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 6.8/10.

3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 6.8/10.

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/2308.10783v2>
- <http://arxiv.org/abs/2102.04664v2>
- <http://arxiv.org/abs/2403.05530v5>