

Growth Bound Matrix Enhancement of S4 Model Adversarial Robustness on GLUE

Assignee Research

June 8, 2026

Abstract

This report synthesises findings from 12 peer-reviewed papers addressing the following research question: How does the Growth Bound Matrix approach affect the adversarial robustness of S4 models compared to adversarial training on the GLUE benchmark for text classification tasks. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 6.5/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Adversarial GLUE: A Multi-Task Benchmark for Robustness Evaluation of Language Models. Research question: How does the Growth Bound Matrix approach affect the adversarial robustness of S4 models compared to adversarial training on the GLUE benchmark for text classification tasks?.

2 Methodology

Systematic literature search across multiple databases yielded 12 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 6.5/10.

3 Results

12 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 6.5/10.

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/2111.02840v2>
- <http://arxiv.org/abs/2205.14230v2>
- <http://arxiv.org/abs/2005.10190v4>