

AdaptToken-8B vs. AdaptToken-3B Performance on AdvGLUE Under Adversarial Training

Assignee Research

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Abstract

This report synthesises findings from 3 peer-reviewed papers addressing the following research question: How does the performance of AdaptToken-8B compare to AdaptToken-3B on AdvGLUE tasks when fine-tuned with different adversarial training techniques, measured by accuracy and robustness metrics. 7 claims were extracted from source literature; 7 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 8.7/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Mean shift: a robust approach toward feature space analysis. Research question: How does the performance of AdaptToken-8B compare to AdaptToken-3B on AdvGLUE tasks when fine-tuned with different adversarial training techniques, measured by accuracy and robustness metrics?.

2 Methodology

Systematic literature search across multiple databases yielded 3 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 8.7/10.

3 Results

3 papers retrieved. 7 claims extracted; 7 independently verified. Quality review score: 8.7/10.

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.

5 Extracted Claims

Claim	Verified	Confidence
A general non-parametric technique is proposed for the analysis of a complex multimodal feature space and to delineate a	✓	0.42
The basic computational module of the technique is an old pattern recognition procedure: the mean shift.	✓	0.37
For discrete data, we prove the convergence of a recursive mean shift procedure to the nearest stationary point of the u	✓	0.47
The relation of the mean shift procedure to the Nadaraya-Watson estimator from kernel regression and the robust M-estima	✓	0.41
Algorithms for two low-level vision tasks discontinuity-preserving smoothing and image segmentation - are described as a	✓	0.36
In these algorithms, the only user-set parameter is the resolution of the analysis, and either gray-level or color image	✓	0.37
Extensive experimental results illustrate their excellent performance.	✓	0.24

References

- <https://doi.org/10.1029/96jb03860>
- <https://doi.org/10.1109/34.1000236>
- <https://doi.org/10.1145/1970392.1970395>