GADT3 Robustness to Adversarial Perturbations with Dimensionality Reduction in ACM and DBLP Benchmarks

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Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: How robust is GADT3's performance against adversarial perturbations in the ACM and DBLP benchmarks when combined with dimensionality reduction, as measured by changes in detection accuracy and. Anomaly detection is a widely explored domain in machine learning. Many models are proposed in the literature, and compared through different metrics measured on various datasets. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.0/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Anomaly Detection: How to Artificially Increase your F1-Score with a Biased Evaluation Protocol. Research question: How robust is GADT3's performance against adversarial perturbations in the ACM and DBLP benchmarks when combined with dimensionality reduction, as measured by changes in detection accuracy and F1-scores?.

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 5.0/10.

3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 5.0/10.

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/2007.04137v3
- http://arxiv.org/abs/1801.04693v1
- http://arxiv.org/abs/2106.16020v1