

Ensemble and Deep Learning Model Calibration on Noisy NSL-KDD Sequence Data

Assignee Research

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Abstract

This report synthesises findings from 12 peer-reviewed papers addressing the following research question: How do ensemble methods like Random Forest and deep learning models compare in terms of calibration error on noisy sequence data benchmarked on the NSL-KDD 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 3.3/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Benchmarking datasets for Anomaly-based Network Intrusion Detection: KDD CUP 99 alternatives. Research question: How do ensemble methods like Random Forest and deep learning models compare in terms of calibration error on noisy sequence data benchmarked on the NSL-KDD dataset?.

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 3.3/10.

3 Results

12 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.3/10.

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/1912.13204v1>
- <http://arxiv.org/abs/2512.10637v2>
- <http://arxiv.org/abs/1811.05372v1>