

Synthetic Data Generator Diversity and Cross-Domain Transfer in Tabular Foundation Models

Assignee Research

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Abstract

This report synthesises findings from 4 peer-reviewed papers addressing the following research question: To what extent does the diversity of synthetic data generators influence the cross-domain transfer performance of tabular foundation models under adversarial perturbations. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.8/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Do we need rebalancing strategies? A theoretical and empirical study around SMOTE and its variants. Research question: To what extent does the diversity of synthetic data generators influence the cross-domain transfer performance of tabular foundation models under adversarial perturbations?.

2 Methodology

Systematic literature search across multiple databases yielded 4 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.8/10.

3 Results

4 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.8/10.

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/2402.03819v6>
- <http://arxiv.org/abs/2503.03418v1>
- <http://arxiv.org/abs/2503.18294v1>