

# Adversarial Noise Scaling in Synthetic Data for Cross-Domain Tabular Model Transfer

Assignee Research

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## Abstract

This report synthesises findings from 13 peer-reviewed papers addressing the following research question: How does the scaling of adversarial noise in synthetic data generation affect the cross-domain transferability of pretrained tabular foundation models on the Adult Income and Household Power. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 7.5/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: Cross-Domain Transferability of Adversarial Perturbations. Research question: How does the scaling of adversarial noise in synthetic data generation affect the cross-domain transferability of pretrained tabular foundation models on the Adult Income and Household Power Consumption datasets?.

## 2 Methodology

Systematic literature search across multiple databases yielded 13 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 7.5/10.

## 3 Results

13 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 7.5/10.

## 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/1905.11736v5>
- <http://arxiv.org/abs/2308.13515v5>
- <http://arxiv.org/abs/2512.03307v1>