What is the degradation rate of new tabular generative evaluation metrics under adversarial perturbations comp

Assignee Research

June 10, 2026

Abstract

The growth of generative adversarial network (GAN) models has increased the ability of image processing and provides numerous industries with the technology to produce realistic image transformations. However, with the field being recently established there are new evaluation metrics that can further this research. Previous research has shown the Frchet Inception Distance (FID) to be an effective metric when testing these image-to-image GANs in real-world applications. Signed Inception Distance (SID), a founded metric in 2023, expands on FID by allowing unsigned distances. This paper uses pub

1 Introduction

This paper examines: Reviewing FID and SID Metrics on Generative Adversarial Networks. Research question: What is the degradation rate of new tabular generative evaluation metrics under adversarial perturbations compared to standard statistical distance metrics in low-resource training regimes?.

2 Methodology

Systematic literature search across multiple databases yielded 10 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

10 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/2402.03654v1
- http://arxiv.org/abs/2306.11066v2
- http://arxiv.org/abs/2103.11521v2