

Scaling Effects on Generative Model Robustness to Cross-Domain Adversarial Attacks

Assignee Research

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Abstract

This report synthesises findings from 12 peer-reviewed papers addressing the following research question: How does scaling the size of generative models (e.g., diffusion models) affect their robustness to cross-domain adversarial attacks compared to smaller models, as measured by FID scores on the LSUN. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: On Adversarial Robustness: A Neural Architecture Search perspective. Research question: How does scaling the size of generative models (e.g., diffusion models) affect their robustness to cross-domain adversarial attacks compared to smaller models, as measured by FID scores on the LSUN and ImageNet benchmarks?.

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 3.2/10.

3 Results

12 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.2/10.

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/2104.09630v2>
- <http://arxiv.org/abs/2007.08428v4>
- <http://arxiv.org/abs/2104.09369v1>