

FRD Metric Scaling with Dataset Size and Complexity in Medical Imaging

Assignee Research

June 9, 2026

Abstract

This report synthesises findings from 14 peer-reviewed papers addressing the following research question: How does the FRD metric scale with dataset size and complexity in medical imaging, and how does this compare to the scaling behavior of task-independent metrics like FID. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 4.3/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Frchet Radiomic Distance (FRD): A Versatile Metric for Comparing Medical Imaging Datasets. Research question: How does the FRD metric scale with dataset size and complexity in medical imaging, and how does this compare to the scaling behavior of task-independent metrics like FID?.

2 Methodology

Systematic literature search across multiple databases yielded 14 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 4.3/10.

3 Results

14 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 4.3/10.

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/2407.15621v3>
- <http://arxiv.org/abs/2401.00314v1>
- <http://arxiv.org/abs/2412.01496v2>