# Multi-View vs. Single-View Representations in Robust Semi-Supervised Graph Anomaly Detection

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**Abstract**

This report synthesises findings from 7 peer-reviewed papers addressing the following research question: What is the effect of aggregating multi-view information versus single-view representations on the robustness of semi-supervised graph anomaly detection models across diverse dataset domains. Anomaly detection is defined as discovering patterns that do not conform to the expected behavior. Previously, anomaly detection was mostly conducted using traditional shallow learning techniques, but with little improvement. 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: Mul-GAD: a semi-supervised graph anomaly detection framework via aggregating multi-view information. Research question: What is the effect of aggregating multi-view information versus single-view representations on the robustness of semi-supervised graph anomaly detection models across diverse dataset domains?.

## 2 Methodology

Systematic literature search across multiple databases yielded 7 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

7 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/1404.4679v2
- http://arxiv.org/abs/2212.05478v1
- http://arxiv.org/abs/2212.00966v1