

Inference Efficiency Trade-offs in GCN-Enhanced Multimodal Models Across Downstream Tasks

Assignee Research

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Abstract

This report synthesises findings from 14 peer-reviewed papers addressing the following research question: What is the impact of model size and architecture complexity on the inference efficiency of GCN-enhanced multimodal models when evaluated on downstream tasks such as Hateful Memes and COCO Captions. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 2.3/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Multimodal Learning for Hateful Memes Detection. Research question: What is the impact of model size and architecture complexity on the inference efficiency of GCN-enhanced multimodal models when evaluated on downstream tasks such as Hateful Memes and COCO Captions?.

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 2.3/10.

3 Results

14 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 2.3/10.

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/2406.03099v4>
- <http://arxiv.org/abs/2011.12870v3>
- <http://arxiv.org/abs/2502.16612v2>