

Structural Graph Priors Enhance Zero-Shot Multimodal Robustness Against Text Perturbations

Assignee Research

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Abstract

This report synthesises findings from 4 peer-reviewed papers addressing the following research question: Do structural graph priors improve the robustness of zero-shot multimodal reasoning against adversarial text perturbations in evaluation suites like MM-Vet compared to dependency-free architectures. We propose MM-Vet, an evaluation benchmark that examines large multimodal models (LMMs) on complicated multimodal tasks. Recent LMMs have shown various intriguing abilities, such as solving math problems written on the blackboard, reasoning about events and celebrities in news. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 1.7/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: MM-Vet: Evaluating Large Multimodal Models for Integrated Capabilities. Research question: Do structural graph priors improve the robustness of zero-shot multimodal reasoning against adversarial text perturbations in evaluation suites like MM-Vet compared to dependency-free architectures?.

2 Methodology

Systematic literature search across multiple databases yielded 4 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 1.7/10.

3 Results

4 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 1.7/10.

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/2308.02490v4>
- <http://arxiv.org/abs/2008.07651v1>
- <http://arxiv.org/abs/2408.00765v2>