

# Structural Graph Priors Enhance Zero-Shot Reasoning in Multimodal Architectures

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## Abstract

This report synthesises findings from 8 peer-reviewed papers addressing the following research question: How do structural graph priors in multimodal architectures affect zero-shot reasoning accuracy on MM-Vet compared to baseline dependency-free models under adversarial text perturbations. Real-time traffic prediction models play a pivotal role in smart mobility systems and have been widely used in route guidance, emerging mobility services, and advanced traffic management systems. With the availability of massive traffic data, neural network-based deep learning. 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: Adversarial Diffusion Attacks on Graph-based Traffic Prediction Models. Research question: How do structural graph priors in multimodal architectures affect zero-shot reasoning accuracy on MM-Vet compared to baseline dependency-free models under adversarial text perturbations?.

## 2 Methodology

Systematic literature search across multiple databases yielded 8 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**

8 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/2104.09369v1>
- <http://arxiv.org/abs/2603.03437v1>
- <http://arxiv.org/abs/2408.00765v2>