

# Attention-Based Multimodal Fusion Robustness Under PGD and FGSM Adversarial Attacks

Assignee Research

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## Abstract

This report synthesises findings from 12 peer-reviewed papers addressing the following research question: How does the accuracy of attention-based multimodal fusion models degrade on the Something-Something V2 dataset under PGD adversarial attacks compared to FGSM attacks. 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: Robust Image Classification: Defensive Strategies against FGSM and PGD Adversarial Attacks. Research question: How does the accuracy of attention-based multimodal fusion models degrade on the Something-Something V2 dataset under PGD adversarial attacks compared to FGSM attacks?.

## 2 Methodology

Systematic literature search across multiple databases yielded 12 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

12 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/2408.13274v1>
- <http://arxiv.org/abs/2307.02055v1>
- <http://arxiv.org/abs/2011.05157v2>