

# Head-Mounted vs. Third-Person Video Datasets in Action Recognition Generalization

Assignee Research

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## Abstract

This report synthesises findings from 10 peer-reviewed papers addressing the following research question: How do head-mounted camera video datasets compare to third-person video datasets in terms of model generalization, as evaluated by action recognition metrics on the AVA benchmark when fine-tuned on. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 4.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: Towards Synthetic Data Generation for Improved Pain Recognition in Videos under Patient Constraints. Research question: How do head-mounted camera video datasets compare to third-person video datasets in terms of model generalization, as evaluated by action recognition metrics on the AVA benchmark when fine-tuned on synthetic vs. real environments?.

## 2 Methodology

Systematic literature search across multiple databases yielded 10 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 4.2/10.

## 3 Results

10 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 4.2/10.

## 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/2409.16382v1>
- <http://arxiv.org/abs/1707.06691v2>
- <http://arxiv.org/abs/2602.09439v1>