

# Synthetic-Real Domain Gaps and Feature Representation Degradation in Video Encoders

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## Abstract

This report synthesises findings from 13 peer-reviewed papers addressing the following research question: To what extent do domain gaps between synthetic and real-world video data degrade the feature representation quality of video encoders in k-nearest neighbors classification tasks. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.3/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: An Evaluation of Large Pre-Trained Models for Gesture Recognition using Synthetic Videos. Research question: To what extent do domain gaps between synthetic and real-world video data degrade the feature representation quality of video encoders in k-nearest neighbors classification tasks?.

## 2 Methodology

Systematic literature search across multiple databases yielded 13 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.3/10.

## 3 Results

13 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.3/10.

## 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/2410.02152v1>
- <http://arxiv.org/abs/1911.07940v1>
- <http://arxiv.org/abs/2305.14669v3>