

Latent Action Granularity Effects on Imitation Learning Sample Efficiency and Alignment

Assignee Research

June 7, 2026

Abstract

This report synthesises findings from 11 peer-reviewed papers addressing the following research question: What is the impact of latent action granularity on the sample efficiency and alignment scores of imitation learning policies trained on heterogeneous unlabeled video demonstrations. 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: CLAM: Continuous Latent Action Models for Robot Learning from Unlabeled Demonstrations. Research question: What is the impact of latent action granularity on the sample efficiency and alignment scores of imitation learning policies trained on heterogeneous unlabeled video demonstrations?.

2 Methodology

Systematic literature search across multiple databases yielded 11 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

11 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/2505.04999v1>
- <http://arxiv.org/abs/1804.02808v2>
- <http://arxiv.org/abs/1904.03438v2>