

Robustness of Continuous Latent Action Models Across Multimodal Noise Benchmarks

Assignee Research

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Abstract

This report synthesises findings from 8 peer-reviewed papers addressing the following research question: Can the robustness of continuous latent action models to observation noise be generalized to other multimodal benchmarks, such as those evaluating language-conditioned robotics (e.g., RL Bench), as 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 1.7/10. 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: Can the robustness of continuous latent action models to observation noise be generalized to other multimodal benchmarks, such as those evaluating language-conditioned robotics (e.g., RL Bench), as measured by task success rates under varying noise levels?.

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 1.7/10.

3 Results

8 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 1.7/10.

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/1909.12271v1>
- <http://arxiv.org/abs/2507.19375v1>