

Pretraining Ratio Effects on Video-JEPA Convergence and Accuracy in UCF-101

Assignee Research

June 9, 2026

Abstract

This report synthesises findings from 8 peer-reviewed papers addressing the following research question: How does the ratio of single-dataset to mixed-dataset pretraining steps influence the convergence speed and final top-1 accuracy of Video-JEPA models with factorized latent dynamics on UCF-101. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 6.0/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Factorized Latent Dynamics for Video JEPA: An Empirical Study of Auxiliary Objectives. Research question: How does the ratio of single-dataset to mixed-dataset pretraining steps influence the convergence speed and final top-1 accuracy of Video-JEPA models with factorized latent dynamics on UCF-101?.

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 6.0/10.

3 Results

8 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 6.0/10.

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/2605.17165v1>
- <http://arxiv.org/abs/2505.04999v1>
- <http://arxiv.org/abs/2603.29727v2>