Auxiliary-to-Primary Loss Ratios in Video-JEPA and Their Effect on Kinetics-400 Representation Quality

Assignee Research

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Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: What is the impact of varying the ratio of auxiliary loss functions to primary loss functions in Video-JEPA on representation quality, as evaluated by the Kinetics-400 top-1 accuracy of fine-tuned. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.7/10. 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: What is the impact of varying the ratio of auxiliary loss functions to primary loss functions in Video-JEPA on representation quality, as evaluated by the Kinetics-400 top-1 accuracy of fine-tuned models compared to baseline models without auxiliary objectives?.

2 Methodology

Systematic literature search across multiple databases yielded 15 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.7/10.

3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.7/10.

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/2605.17165v1
- http://arxiv.org/abs/2210.16611v2
- http://arxiv.org/abs/2101.09825v1