

Parameter-Efficient Fine-Tuning of MoE Variants in Multimodal Time Series Models

Assignee Research

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Abstract

This report synthesises findings from 14 peer-reviewed papers addressing the following research question: What is the impact of Mixture of Experts (MoE) architecture variants on the convergence speed and prediction accuracy of multimodal time series models when fine-tuned with parameter-efficient methods. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.8/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Parameter-Efficient Fine-Tuning of Large Pretrained Models for Instance Segmentation Tasks. Research question: What is the impact of Mixture of Experts (MoE) architecture variants on the convergence speed and prediction accuracy of multimodal time series models when fine-tuned with parameter-efficient methods?.

2 Methodology

Systematic literature search across multiple databases yielded 14 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 5.8/10.

3 Results

14 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 5.8/10.

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/2411.08212v1>
- <http://arxiv.org/abs/2606.01947v1>
- <http://arxiv.org/abs/2110.06500v2>