

CausalMixFT Synthetic Samples Enhance Robustness in Transformer Models Under Distribution Shifts

Assignee Research

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Abstract

This report synthesises findings from 12 peer-reviewed papers addressing the following research question: Can the synthetic samples generated by CausalMixFT improve the robustness of TFMs against distribution shifts, as evaluated by accuracy metrics on perturbed versions of OpenML-CC18 datasets. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.0/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Enhancing Robustness of Foundation Model Representations under Provenance-related Distribution Shifts. Research question: Can the synthetic samples generated by CausalMixFT improve the robustness of TFMs against distribution shifts, as evaluated by accuracy metrics on perturbed versions of OpenML-CC18 datasets?.

2 Methodology

Systematic literature search across multiple databases yielded 12 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 5.0/10.

3 Results

12 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 5.0/10.

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/2312.05435v1>
- <http://arxiv.org/abs/2112.03057v1>
- <http://arxiv.org/abs/2211.11513v1>