

FlowKV Learnable Eviction Effects on Perplexity and MT-Bench Under Domain Shift

Assignee Research

June 7, 2026

Abstract

This report synthesises findings from 11 peer-reviewed papers addressing the following research question: How does FlowKV's learnable eviction mechanism impact perplexity and MT-bench scores when evaluated on domain-shifted datasets transitioning from technical documentation to casual dialogue. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 4.0/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Make Each Token Count: Towards Improving Long-Context Performance with KV Cache Eviction. Research question: How does FlowKV's learnable eviction mechanism impact perplexity and MT-bench scores when evaluated on domain-shifted datasets transitioning from technical documentation to casual dialogue?.

2 Methodology

Systematic literature search across multiple databases yielded 11 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 4.0/10.

3 Results

11 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 4.0/10.

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/2605.09649v1>
- <http://arxiv.org/abs/2510.17722v2>
- <http://arxiv.org/abs/2402.14762v3>