

Self-Attention Guided Eviction in FlowKV Preserves Reasoning on LongBench for Llama-3-70B

Assignee Research

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Abstract

This report synthesises findings from 13 peer-reviewed papers addressing the following research question: Does the self-attention guided eviction mechanism in FlowKV maintain reasoning capabilities on the LongBench suite for Llama-3-70b compared to static window attention baselines. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.3/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: LLMs Know What to Drop: Self-Attention Guided KV Cache Eviction for Efficient Long-Context Inference. Research question: Does the self-attention guided eviction mechanism in FlowKV maintain reasoning capabilities on the LongBench suite for Llama-3-70b compared to static window attention baselines?.

2 Methodology

Systematic literature search across multiple databases yielded 13 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 5.3/10.

3 Results

13 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 5.3/10.

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/2605.08840v1>
- <http://arxiv.org/abs/2503.08879v1>
- <http://arxiv.org/abs/2605.07234v1>