

LongNet and H3 Perplexity Comparison on PG-19 at Extended Sequence Lengths

Assignee Research

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Abstract

This report synthesises findings from 10 peer-reviewed papers addressing the following research question: How does the perplexity of LongNet compare to H3 on the PG-19 benchmark at sequence lengths between 128k and 512k tokens. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Vcc: Scaling Transformers to 128K Tokens or More by Prioritizing Important Tokens. Research question: How does the perplexity of LongNet compare to H3 on the PG-19 benchmark at sequence lengths between 128k and 512k tokens?.

2 Methodology

Systematic literature search across multiple databases yielded 10 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.2/10.

3 Results

10 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.2/10.

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/2305.04241v2>
- <http://arxiv.org/abs/2307.02486v2>
- <http://arxiv.org/abs/2603.29396v1>