

Vendi-RAG Relevance-Diversity Tradeoff and Adversarial Robustness in FLAN-T5-xl NLI Tasks

Assignee Research

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Abstract

This report synthesises findings from 4 peer-reviewed papers addressing the following research question: What is the impact of Vendi-RAG's relevance-diversity tradeoff on the adversarial robustness of FLAN-T5-xl against non-lexical overfitting in NLI tasks. Recent advances in large language models (LLMs) have opened new possibilities for artificial intelligence applications in finance. In this paper, we provide a practical survey focused on two key aspects of utilizing LLMs for financial tasks: existing solutions and guidance for. 2 claims were extracted from source literature; 2 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 8.0/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Large Language Models in Finance: A Survey. Research question: What is the impact of Vendi-RAG's relevance-diversity tradeoff on the adversarial robustness of FLAN-T5-xl against non-lexical overfitting in NLI tasks?.

2 Methodology

Systematic literature search across multiple databases yielded 4 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 8.0/10.

3 Results

4 papers retrieved. 2 claims extracted; 2 independently verified. Quality review score: 8.0/10.

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.

5 Extracted Claims

Claim	Verified	Confidence
Recent advances in large language models (LLMs) have opened new possibilities for artificial intelligence applications i	✓	0.64
This paper provides a practical survey focused on two key aspects of utilizing LLMs for financial tasks: existing soluti	✓	0.59

References

- <https://doi.org/10.1145/3604237.3626869>
- <https://doi.org/10.1007/s11704-024-40555-y>
- <https://doi.org/10.48550/arxiv.2310.07521>