MA-DPR Robustness Against Noisy and Adversarial Query-Passage Pairs

Assignee Research

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Abstract

This report synthesises findings from 9 peer-reviewed papers addressing the following research question: How robust is MA-DPR to noisy or adversarial query-passage pairs compared to standard DPR, as evaluated on adversarial benchmark datasets like HardNQ or Adversarial TriviaQA, using precision@k and. Following the success in advancing natural language processing and understanding, transformers are expected to bring revolutionary changes to computer vision. This work provides a comprehensive study on the robustness of vision transformers (ViTs) against adversarial. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 2.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: On the Adversarial Robustness of Vision Transformers. Research question: How robust is MA-DPR to noisy or adversarial query-passage pairs compared to standard DPR, as evaluated on adversarial benchmark datasets like HardNQ or Adversarial TriviaQA, using precision@k and robustness metrics?.

2 Methodology

Systematic literature search across multiple databases yielded 9 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 2.2/10.

3 Results

9 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 2.2/10.

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/1908.08016v4
- http://arxiv.org/abs/2603.05462v1
- http://arxiv.org/abs/2103.15670v3