

Qwen32Bq4 Robustness to Noisy Speech Across MMSU Benchmark Subsets

Assignee Research

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Abstract

This report synthesises findings from 4 peer-reviewed papers addressing the following research question: How does Qwen32Bq4's robustness to noisy speech input vary when fine-tuned on different subsets of the MMSU benchmark (e.g., clean vs. noisy speech), measured by F1 score degradation under varying. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 1.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: End-to-end Audiovisual Speech Activity Detection with Bimodal Recurrent Neural Models. Research question: How does Qwen32Bq4's robustness to noisy speech input vary when fine-tuned on different subsets of the MMSU benchmark (e.g., clean vs. noisy speech), measured by F1 score degradation under varying signal-to-noise ratios?.

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 1.2/10.

3 Results

4 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 1.2/10.

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/1908.02590v3>
- <http://arxiv.org/abs/2508.14623v2>
- <http://arxiv.org/abs/1809.04553v1>