

Prosodic Feature Embeddings Enhance Emotional Speech Understanding in OpenPangu-7B-MLA

Assignee Research

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Abstract

This report synthesises findings from 14 peer-reviewed papers addressing the following research question: What is the impact of integrating prosodic feature embeddings into the multimodal alignment module of OpenPangu-7B-MLA on its emotional speech understanding performance in MMSU, evaluated using. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.8/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: MMSU: A Massive Multi-task Spoken Language Understanding and Reasoning Benchmark. Research question: What is the impact of integrating prosodic feature embeddings into the multimodal alignment module of OpenPangu-7B-MLA on its emotional speech understanding performance in MMSU, evaluated using emotion recognition F1 scores?.

2 Methodology

Systematic literature search across multiple databases yielded 14 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.8/10.

3 Results

14 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.8/10.

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/2506.04779v3>
- <http://arxiv.org/abs/2504.02477v3>
- <http://arxiv.org/abs/2511.14969v1>