The relation between production and perception of Mandarin tone

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Background and Objectives

- Segmentally-based theories predict production-perception link [2, 6]; supported by the findings that a moderate to strong statistical correlation exists between perceptual cue use and acoustic features expressed in production [1; 3; 8].
  - Extending to tones, there should be a moderate to strong correlation between tone production and perception
- For Mandarin tones, perceptually relevant features include F0 height, direction, onset, and temporal location of turning point (TP) – all features can characterize T2 [4, 7, 9].
  - This study aims to establish a direct relationship between the perception of individual T2 perceptual cues and the corresponding acoustic features – An area that has not been systematically studied.

Acoustic Features

Analysis and Results

References

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