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Effects of speaker variability and noise on Mandarin tone identification by native and non-native listeners

Chao-Yang Lee , Liang Tao & Z S Bond

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Abstract

The purpose of this study was to investigate the effects of speaker variability and noise on Mandarin tone identification by native and non-native listeners. The study used a mixed-effects design with native and non-native listeners. The results showed that native listeners performed better than non-native listeners in identifying Mandarin tones. The effects of speaker variability and noise were also investigated. The results showed that speaker variability and noise affected the performance of both native and non-native listeners. The findings suggest that speaker variability and noise are important factors in Mandarin tone identification.

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