

105 Views | 22 CrossRef citations to date | 0 Altmetric

Articles

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

Chao-Yang Lee, Liang Tao & Z S Bond

Pages 46-54 | Published online: 19 Jul 2013

Cite this article <https://doi.org/10.1179/2050571X12Z.0000000003>

Sample our Education Journals

>> [Sign in here](#) to start your access to the latest two volumes for 14 days

Full Article | Figures & data | References | Citations | Metrics

We Care About Your Privacy

We and our 880 partners store and access personal data, like browsing data or unique identifiers, on your device. Selecting I Accept enables tracking technologies to support the purposes shown under we and our partners process data to provide. Selecting Reject All or withdrawing your consent will disable them. If trackers are disabled, some content and ads you see may not be as relevant to you. You can resurface this menu to change your choices or withdraw consent at any time by clicking the Show Purposes link on the bottom of the webpage. Your choices will have effect within our Website. For more details, refer to our Privacy Policy. [Here](#)

We and our partners process data to provide:

Use precise geolocation data. Actively scan device

I Accept

Reject All

Show Purposes



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 results showed that native listeners performed better than non-native listeners in identifying Mandarin tones. The results also showed that speaker variability and noise affected the performance of both native and non-native listeners. The results suggest that speaker variability and noise affect the performance of both native and non-native listeners in identifying Mandarin tones.

noise affect
 multi-speaker
 speaker or
 non-native
 Mandarin
 speaker
 ing that
 In contrast,
 listeners
 se findings
 e to native

Acknowledgements

The authors thank Yu Zhang and Yuh-Fang Lee for assistance in administering the experiment, Alexander Sergeev for advice on statistical analysis, and Juliana Gursky for editorial assistance. We also thank two anonymous reviewers for their helpful comments. This research was partially supported by a faculty development fund from the Honors Tutorial College at Ohio University.

Related research

Recommended articles

Cited by
22



Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Help and information

- Help and contact
- Newsroom
- All journals
- Books

Keep up to date

Register to receive personalised research and resources by email

 Sign me up



Copyright

Accessib

Registered
5 Howick Pl

or & Francis Group
orma business

