Changes to Perceptual Assimilation Following Training

3pSC14









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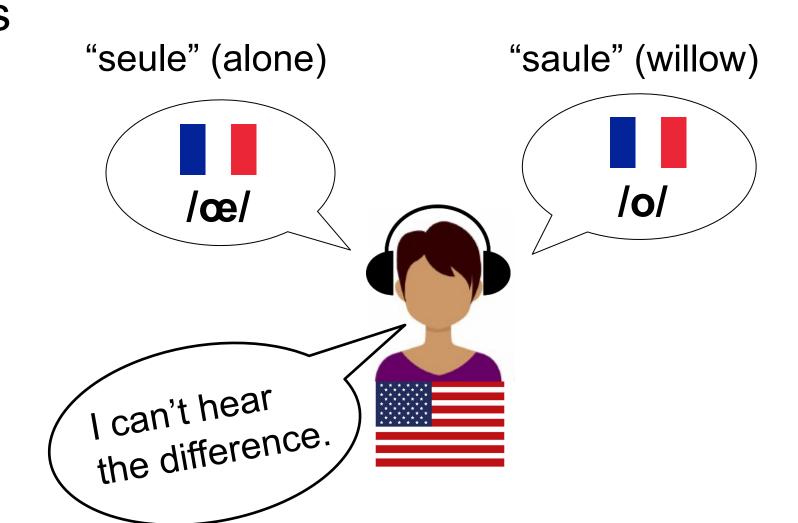
INTRODUCTION

- Learning the speech sounds of a second language is difficult for adults.
- How difficult it is depends on the relationship between the sounds of a listener's native language and the sounds of the second language.
 (Best et. al, 2001; Flege, 1995; Kuhl, 2000)
- and on the listener's experience with the second language. (Escudero & Boersma, 2003; Levy, 2009a; Levy & Strange, 2008)

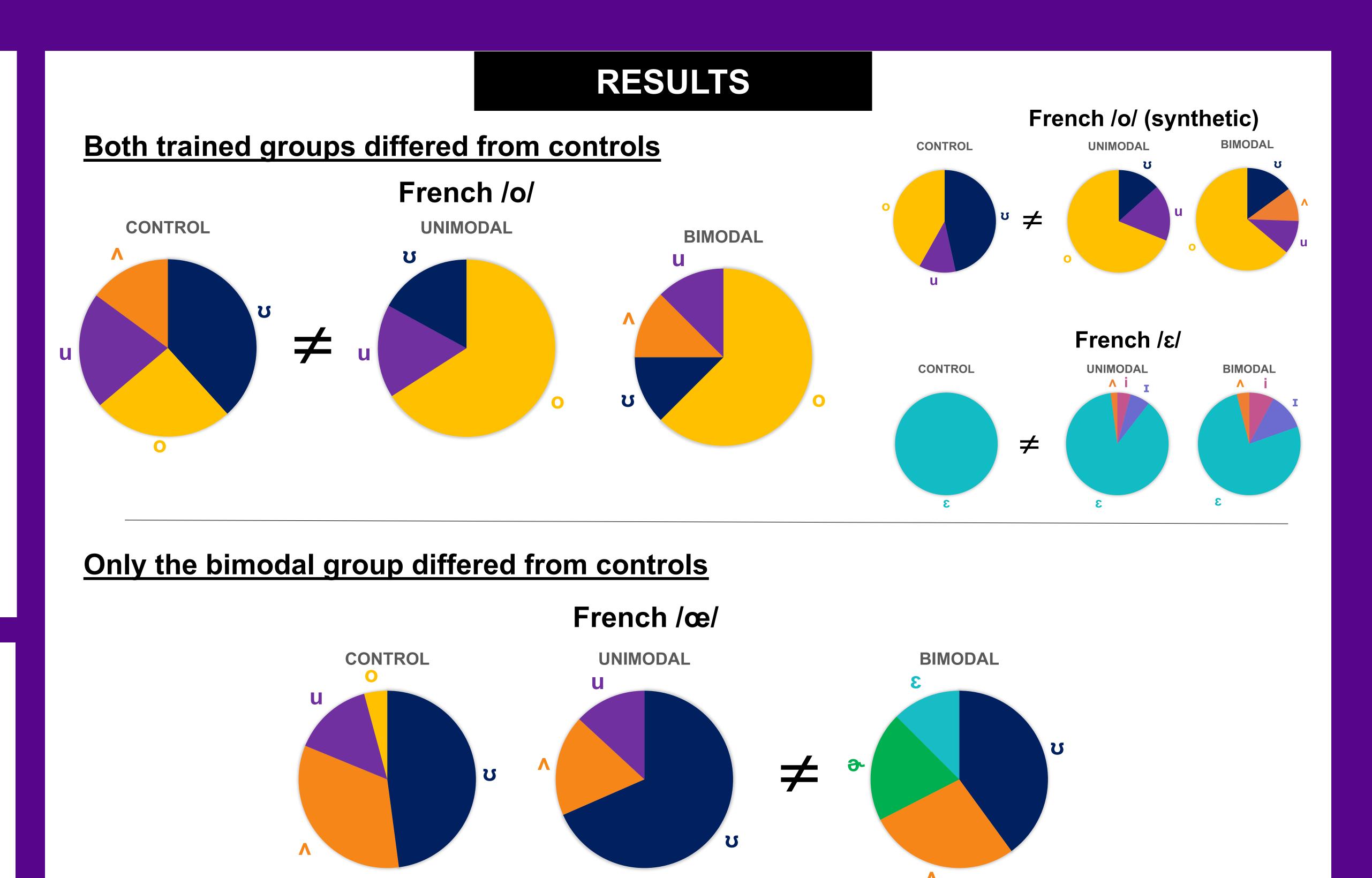
Current Study

Can perceptual training change how American English listeners hear the French vowels /œ/ and /o/?

Is one type of training more effective?



Training conditions Unimodal Distribution Control (no training) Bimodal Distribution Control (no training) Bimodal Distribution A property of the proper



TAKE-HOME POINTS

- 1. Perceptual training changes the way listeners hear sounds in a second language.
 - Both trained groups differed from the control group for /o/, synthetic /o/, and /ε/.
- 2. Bimodal training (hearing sounds that are acoustically different) facilitated greater perceptual change than unimodal training.
 - Only the bimodal group differed from the control group for /œ/.