# Accent Accommodation in American Students Studying in the UK Leah M. Dudley Mentored by Dr. Sandra Kotzor, University of Oxford, Oxford UK

### INTRODUCTION

This research was conducted while on an academic study abroad at the University of Oxford, and subsequently expanded on in a class on quantitative linguistic methods at the University of Georgia.

The primary research question was if American exchange students in Oxford, UK would accommodate their language while speaking with a British English speaker versus an American English speaker, and if this accommodation was at all influenced by the participant's views towards British culture./



### **HYPOTHESIS**

- Speakers preferring British culture would seek social prestige from British citizens and accommodate towards British English (BrE) pronunciations
- Speakers preferring American culture would emphasize their American heritage with British citizens and accommodate towards American English (AmE) pronunciations
  - Hypothesis is based on Communication Accommodation Theory (Giles
  - Also accounted for Audience Design Theory (Bell 1984)

### **METHODS**

Eight participants interviewed twice over the length of the study abroad

- All were predetermined as having 'high', 'mid' or 'low views of Britain
- Each interview was done by an AmE and then BrE speaker
- BrE speaker had a Received Pronunciation (RP) accent, as the participants viewed it more highly than a Cockney accent
- Participants were asked about their American identity and views towards American and British culture, then asked to read a word list

AmE to BrE pronunciation	Open Front to Back Vowel		Open to Mid Back Vowel		Postvocalic r	
Word	B <b>a</b> th		W <b>a</b> ter		Butter	
Dialect	AmE	BrE	AmE	BrE	AmE	BrE
Phoneme	æ	ar	α	IC	r	Ø

- Resulting data was analyzed and parsed in Praat by the researcher • Focused on F1, F2, F3 and duration of phonemes
- Participants filled out postsecondary questionnaires on their views of regional accents
- All final data was analyzed in RStudio with a stepwise linear model

### **CONCLUSIONS**

The æ to a vowel showed the strongest visual trend towards accent accommodation, and was corroborated by the stepwise model

• α to or vowel showed little trend towards accent accommodation, possibly due to smaller vowel space than the other tested vowel

Postvocalic r showed possible convergence in 'high' view speakers, but because of the lack of a fitted model further research is required to make any strong assertions

Intervocalic t also showed possible convergence, but overfitted and abnormal data also require further research to prove anything

## **FURTHER RESEARCH**

Collecting more tokens from speakers that also fit these requirements would be beneficial, as it was a fairly small speaker sample

Collecting other vowels to analyze could be informative as well

> • For Southern speakers, see if /1/ shifts to becomes more diphthongized

Consonant phonemes were shorter and more difficult to track than vowels, so a focus solely on vowels could be easier to analyze

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