

Teaching Fellow:

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Discussion Section A:

Mondays 10:30–11:30 AM, 2 Arrow St Room 420

Section B:

Tuesdays 12:00–1:00 PM, 2 Arrow St Room 408

Office Hours:

Mondays 2:30–3:30 PM, 2 Arrow St Room 423

Discussion Handout 4

2023 Feb 27/28

(1) Today's Schedule:

a. Generating Vowels

b. Open Floor:

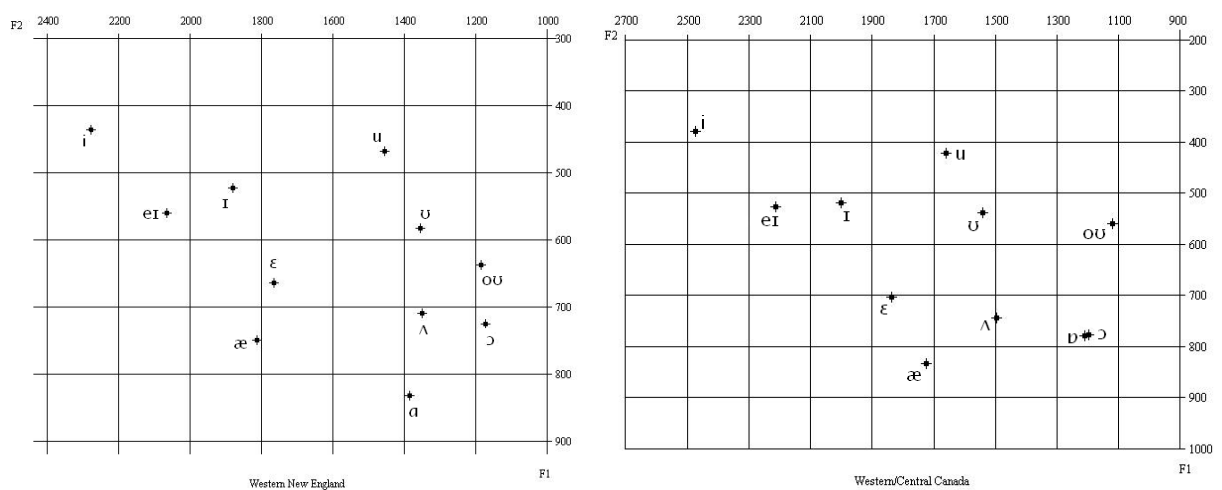
(i) Formants, Harmonics, Vowels, and Tone

(ii) Using Praat

(iii) General Review

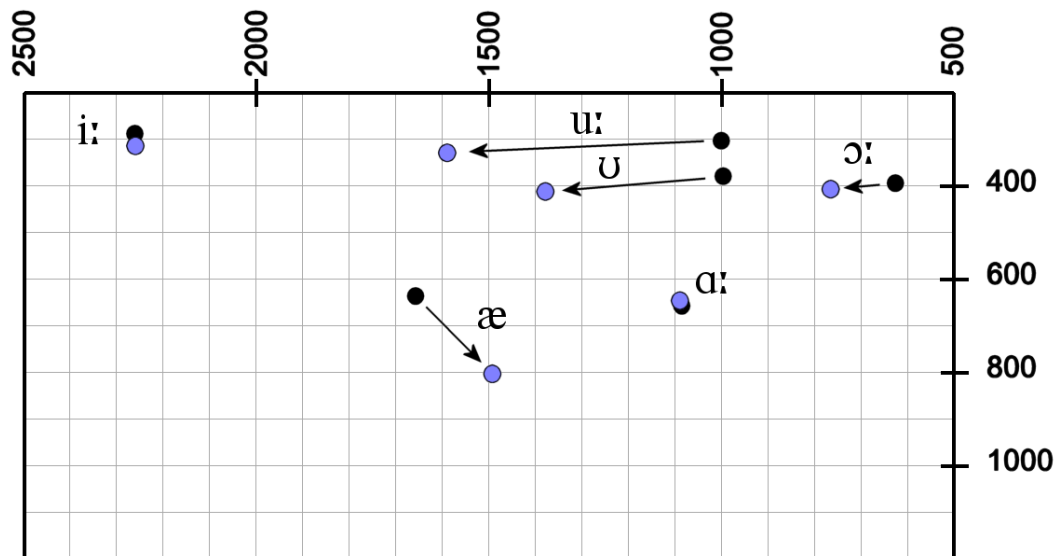
Generating Vowels

What vowels appear to have the largest difference between Western New England and Western Canadian dialects of English? How would you approximate those differences in terms of tongue placement when generating these sounds? Can you tell the difference when we put them into the vowel generator on Praat?



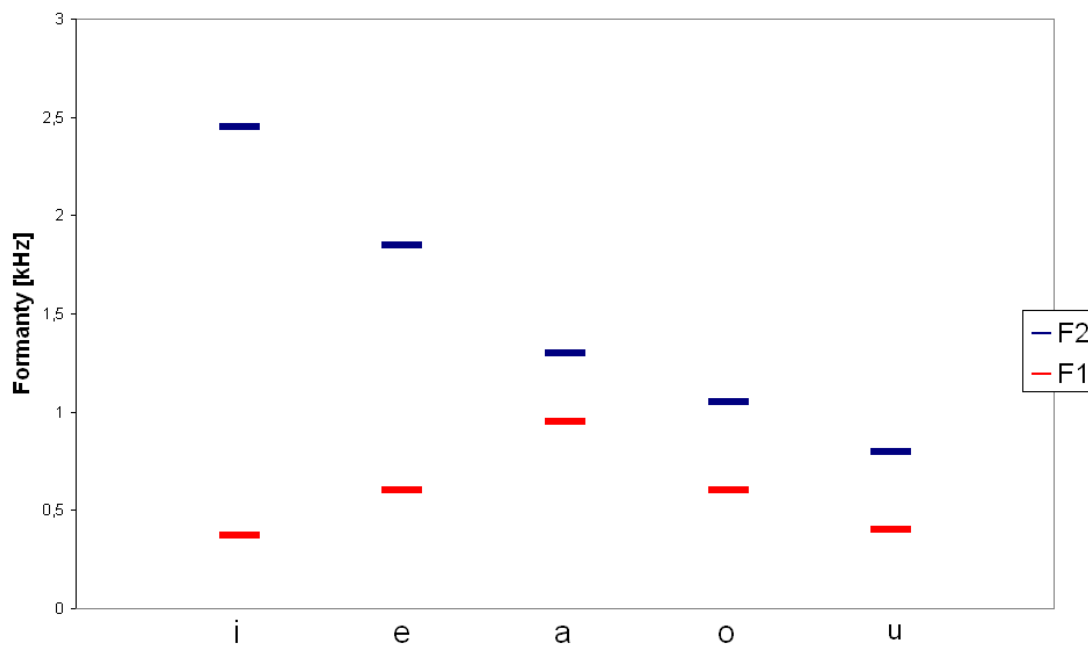
JackLumber - Own work. Based on Labov et al., “The Atlas of North American English”; averaged F1/F2 means

What is the major change in the formants for Received Pronunciation (Standard British English) in the next chart? What phenomenon does this correlate with in terms of sound change?



Æµξœš¹ - Self made, based on image from page 1814 of de Jong, Gea, Kirsty McDougall, Toby Hudson & Francis Nolan. “The speaker discriminating power of sounds undergoing historical change: A formant-based study” in the Proceedings of ICPhS Saarbrücken (2007)

What are the dimensions of the chart below on Czech vowels? How is it different from the previous two charts? How would we convert it into the same dimensions of the previous charts? What can this style of chart help us to visualize?



User:Pajast - Krčnová M. Úvod do fonetiky a fonologie pro bohemisty. FF OU, Ostrava 2006.