

PRODUCTION AND PERCEPTION OF SHORT VOWELS IN MONTREAL

Thomas Kettig

McCCLU

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Notation used in this presentation

/ɛ/ = /e/ = BET

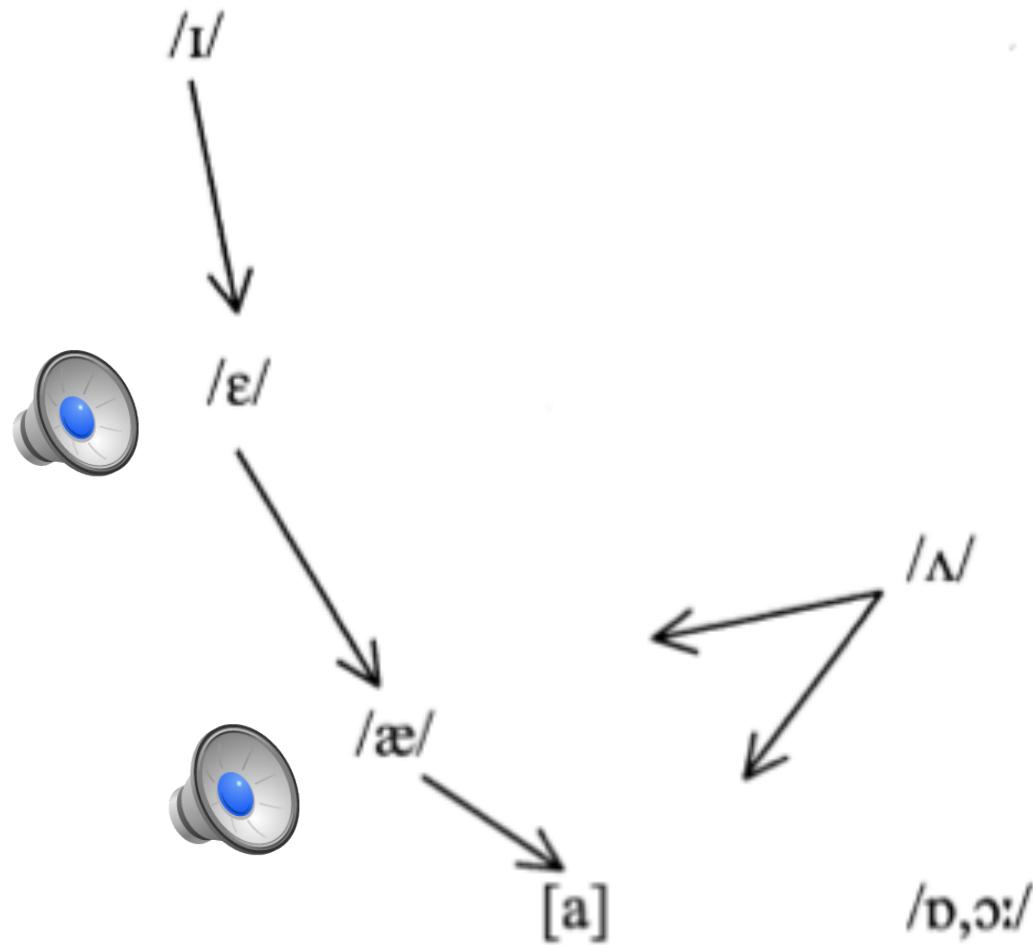
/ɪ/ = /i/ = BIT

/æ/ = /ae/ = BAT

/ɔ/ = /o/ = BOT=BOUGHT (merged low back vowel)

/ʌ/ = /u/ = BUT

Canadian Shift (Clarke, Elms and Youssef 1995)



Canadian Shift in Montreal (Boberg 2005)

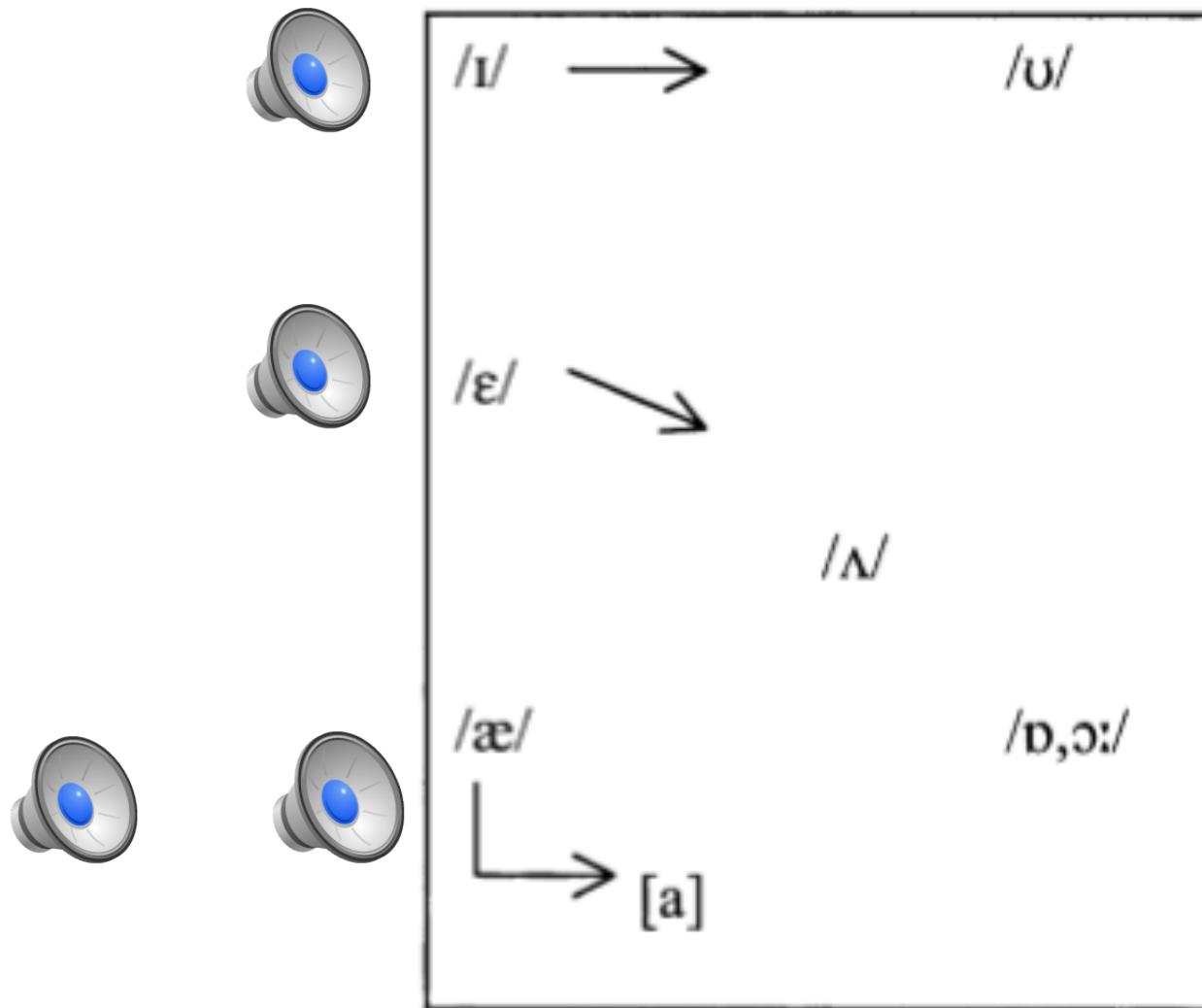


FIGURE 4. The Canadian Shift in Montreal.

Two parts:

- Production experiment
 - Classic sociophonetic experiment
 - Participants read 44 sentences at their own pace
 - Vowel formant information extracted from key words in sentences
- Perception experiment
 - Participants listen to synthetic vowel sounds through headphones
 - Classify as BET, BAT, BUT, or BOUGHT by clicking on screen
 - Program reports their answer and their response time
- Data all taken within one interview
- Possible to compare the two?

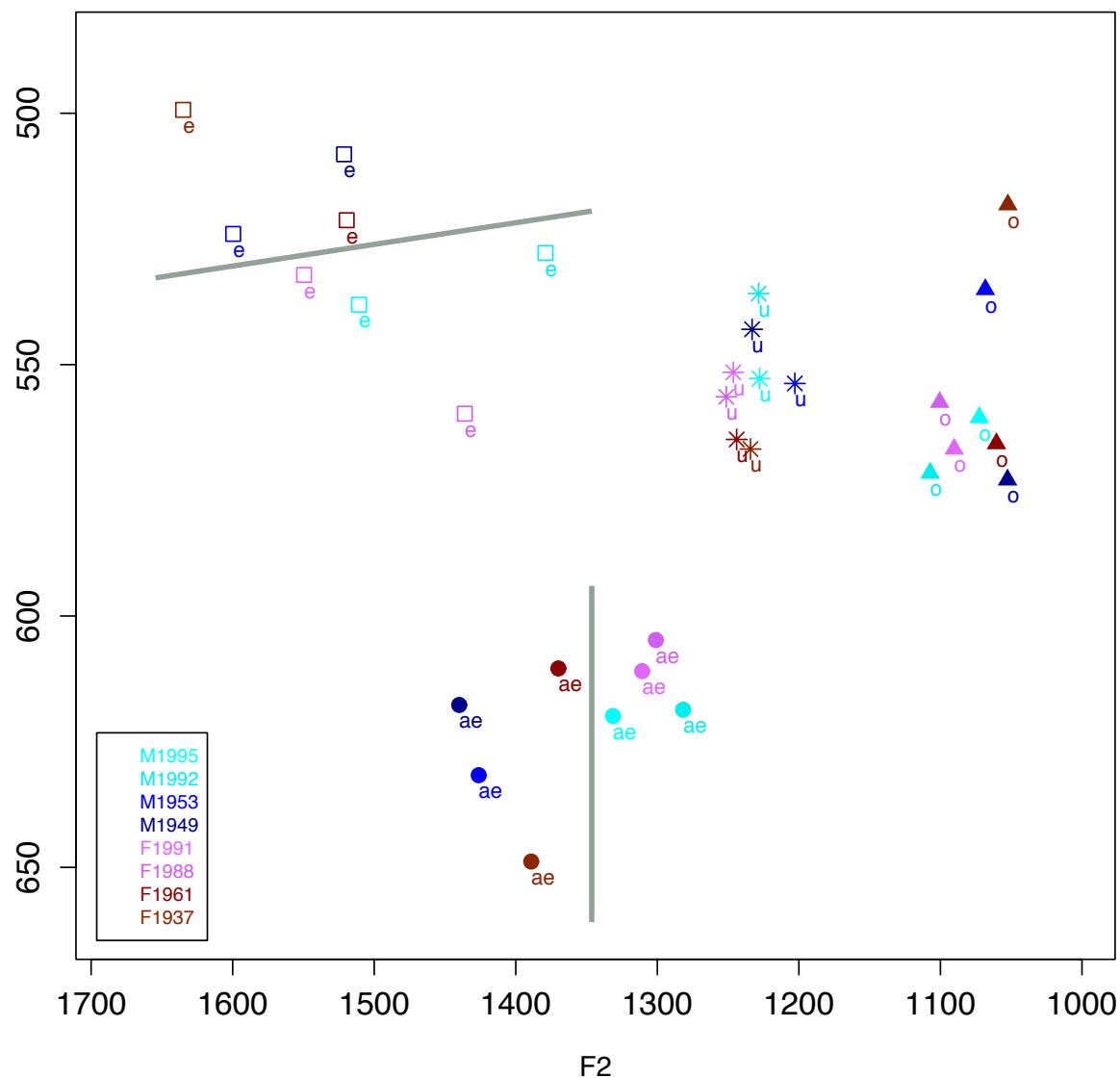
Research subjects

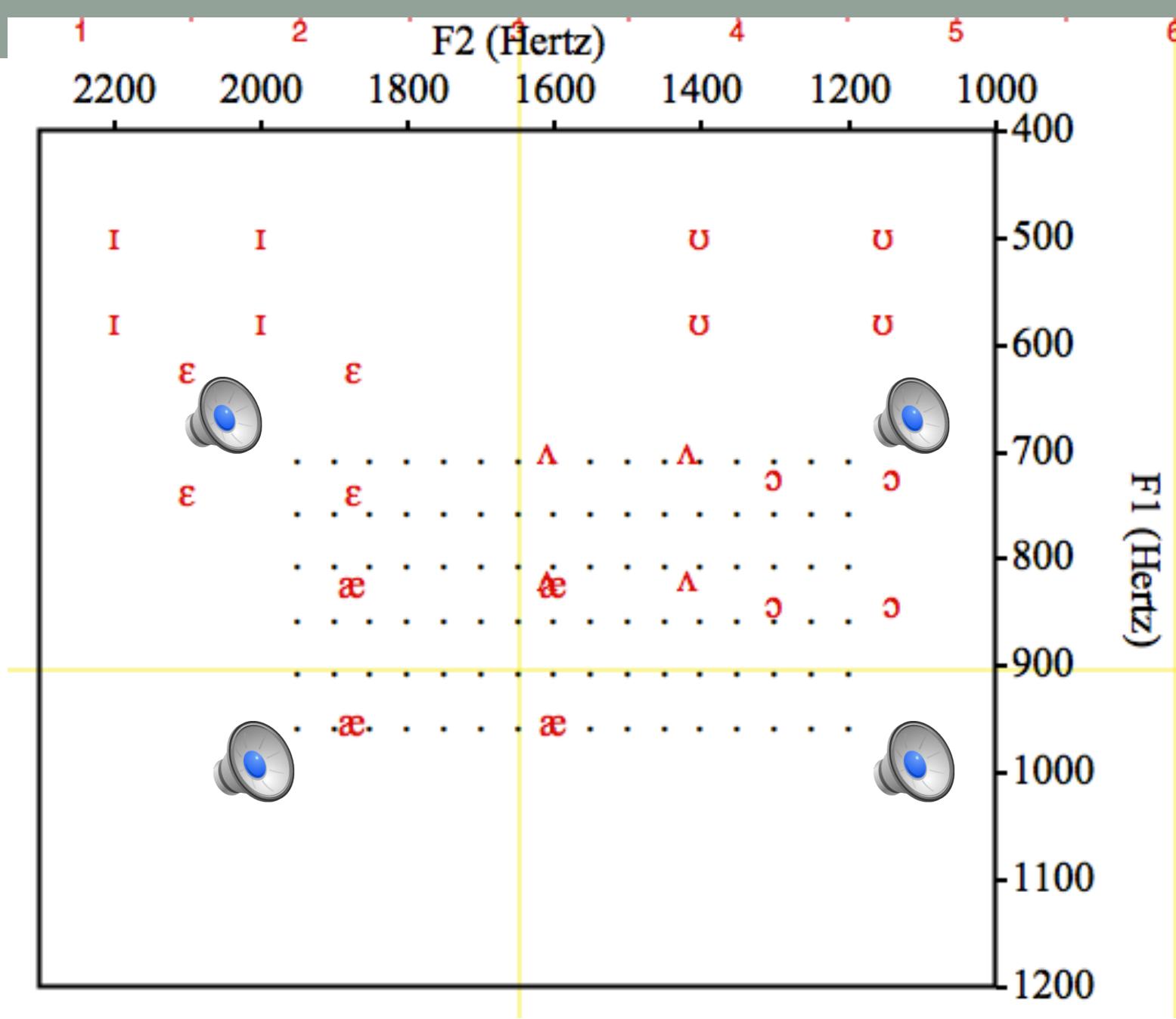
- Have at least one Jewish parent
- Grew up speaking English as a first or home language
- Grew up in Montreal

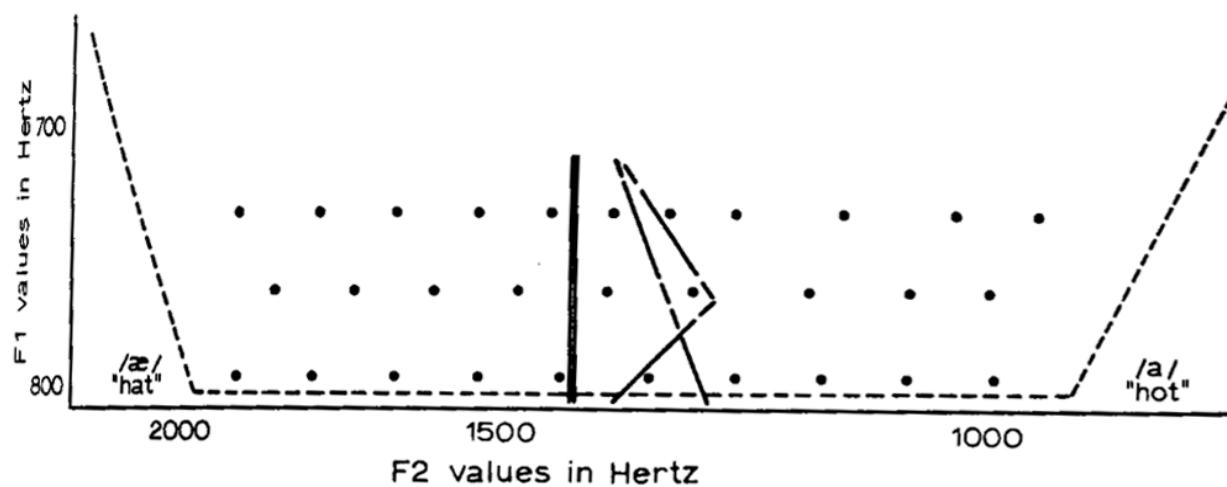
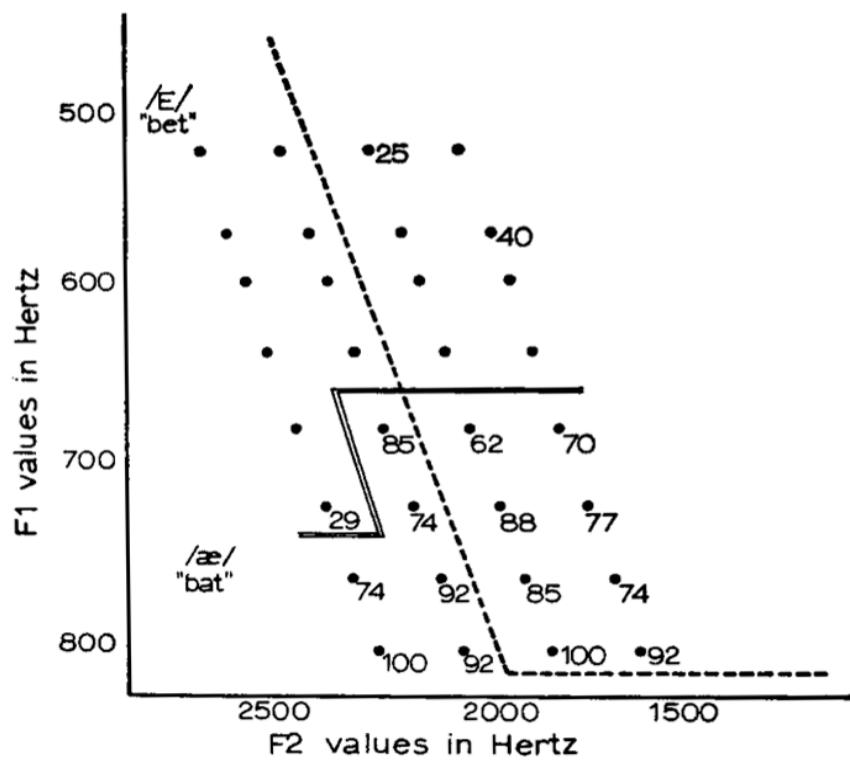
Sub-sample under consideration:

- | | |
|---------------------|---------------------|
| • Male, born 1992 | • Male, born 1949 |
| • Male, born 1995 | • Male, born 1953 |
| • Female, born 1991 | • Female, born 1937 |
| • Female, born 1988 | • Female, born 1961 |

Individual means, normalized (Lobanov method)







F1991

F1988

M1992

M1995

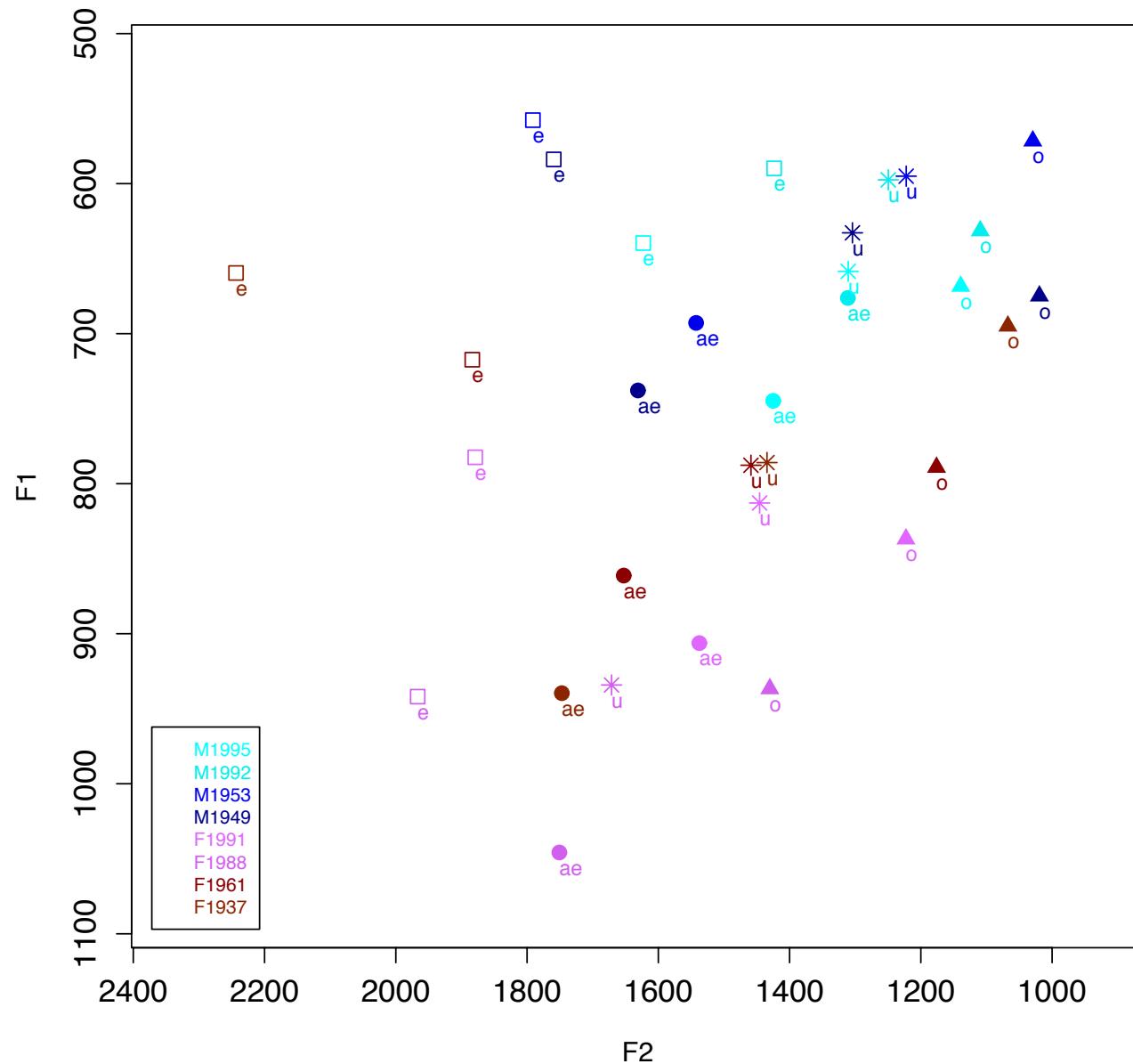
F1961

F1937

M1949

M1953

Mean vowel formant values non-normalized



Individual means, normalized (Lobanov method)

