

Heritage Language Variation and Change

Vowels in Cantonese and English

of Herítage Cantonese speakers ín Toronto

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The HLVC Project

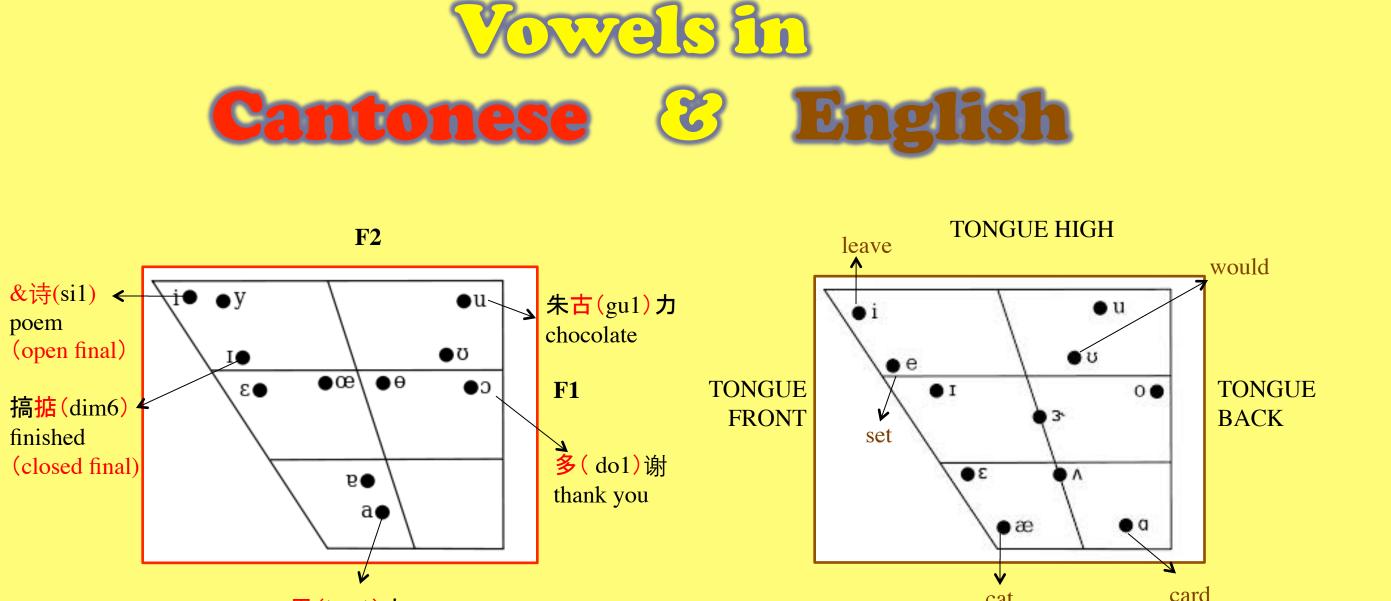
investigates heritage languages spoken in Toronto. Its goal is to produce a corpus for research on language change and provide a framework for examining heritage languages in the GTA.

The ROP 299/LIN 495 Project in 2013-14

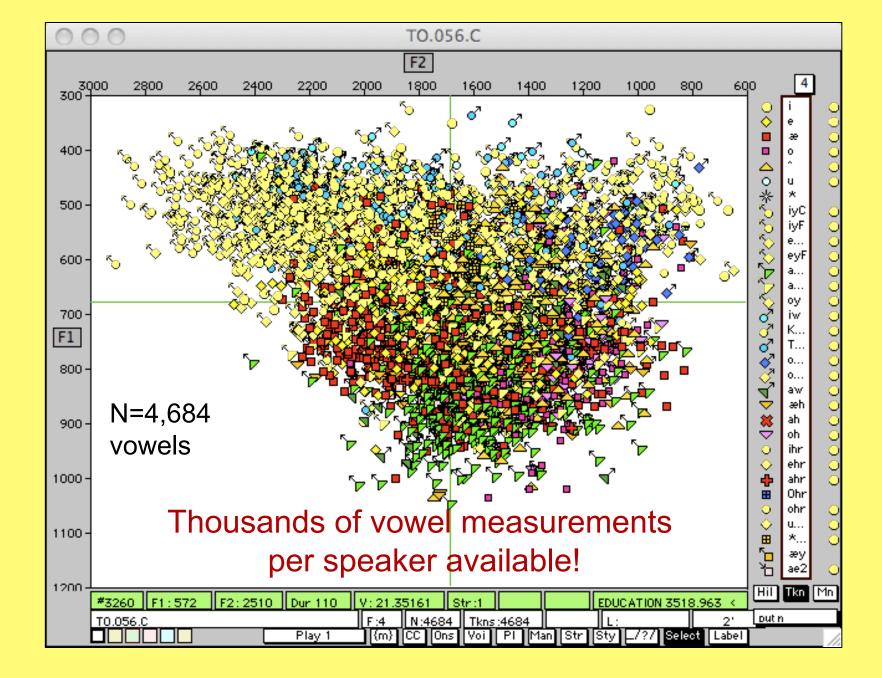
investigates Cantonese and English vowel variation across two generations and factors influencing pronunciation.

Cantonese

biggest non-English mother tongue in Toronto (3.1% of population, 2011 Census) http://www12.statcan.gc.ca







HLVC Participants

1st generation: born in Hong Kong, moved to GTA after age 18 **2nd generation**: born in GTA (or came before age 6), parents are 1st generation

Data

Sociolinguistic interviews conducted and recorded by community members. In Cantonese from the Heritage Language Database (Nagy 2011) In English from the Contact in the City corpus (Hoffman & Walker 2010)

	Canto	nese	English		
Sample	Speakers	Done?	Speakers	Done?	
1 st generation	10	0	4	2	
2 nd generation	10	0	4	2	
TOTAL	20	0	8	4	

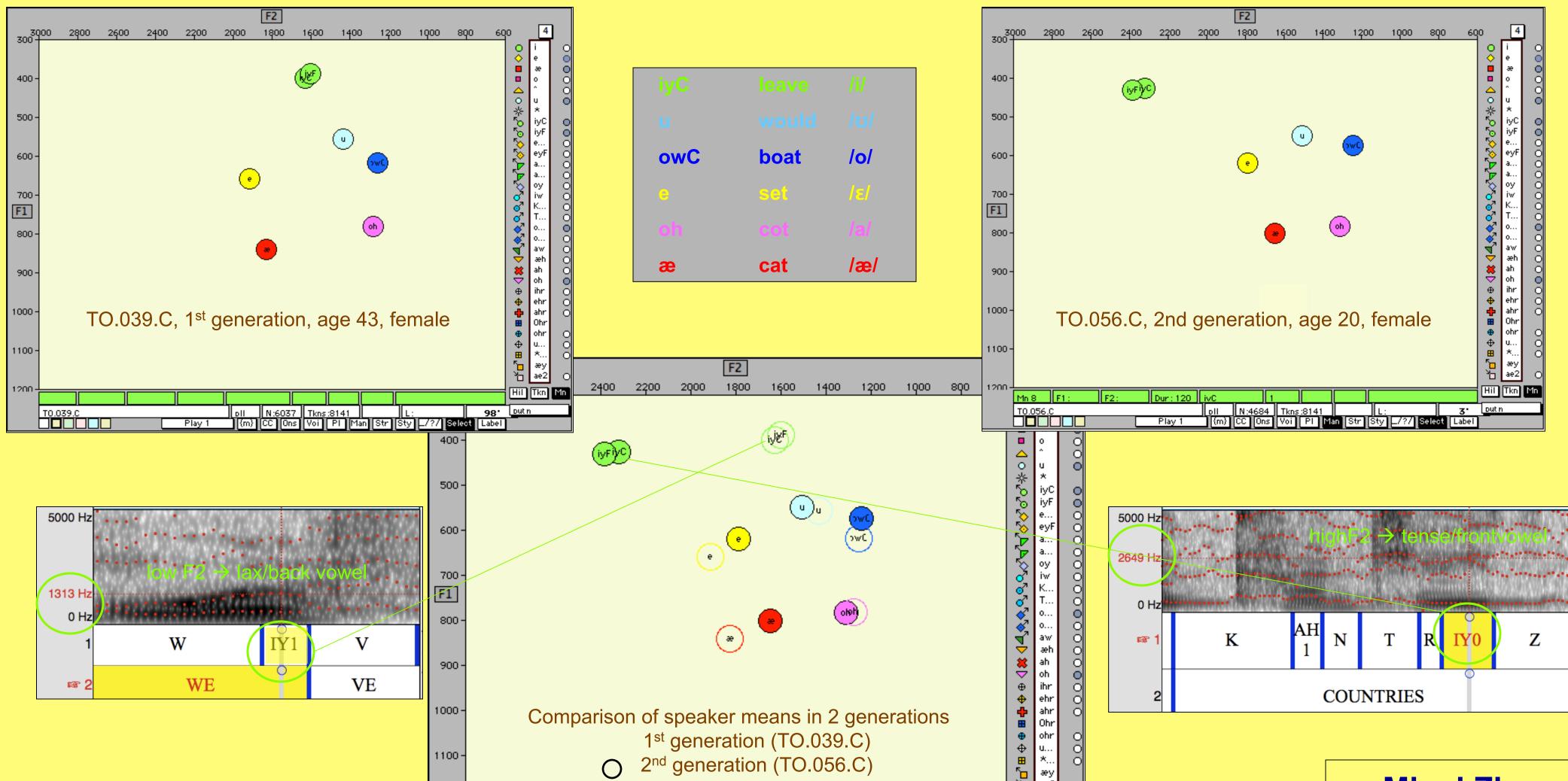
Methods

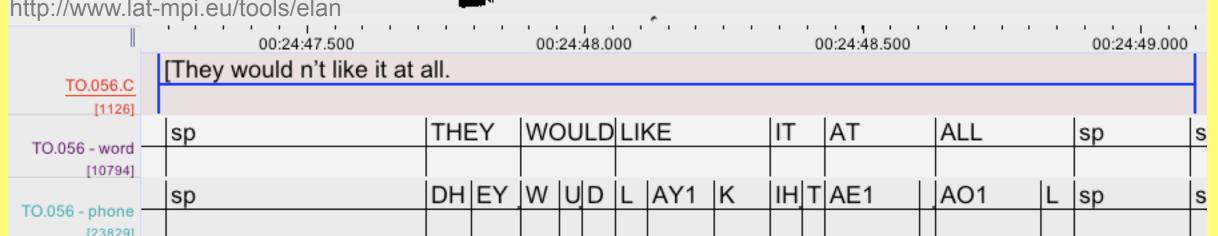
1. Transcription & time-alignment with ELAN

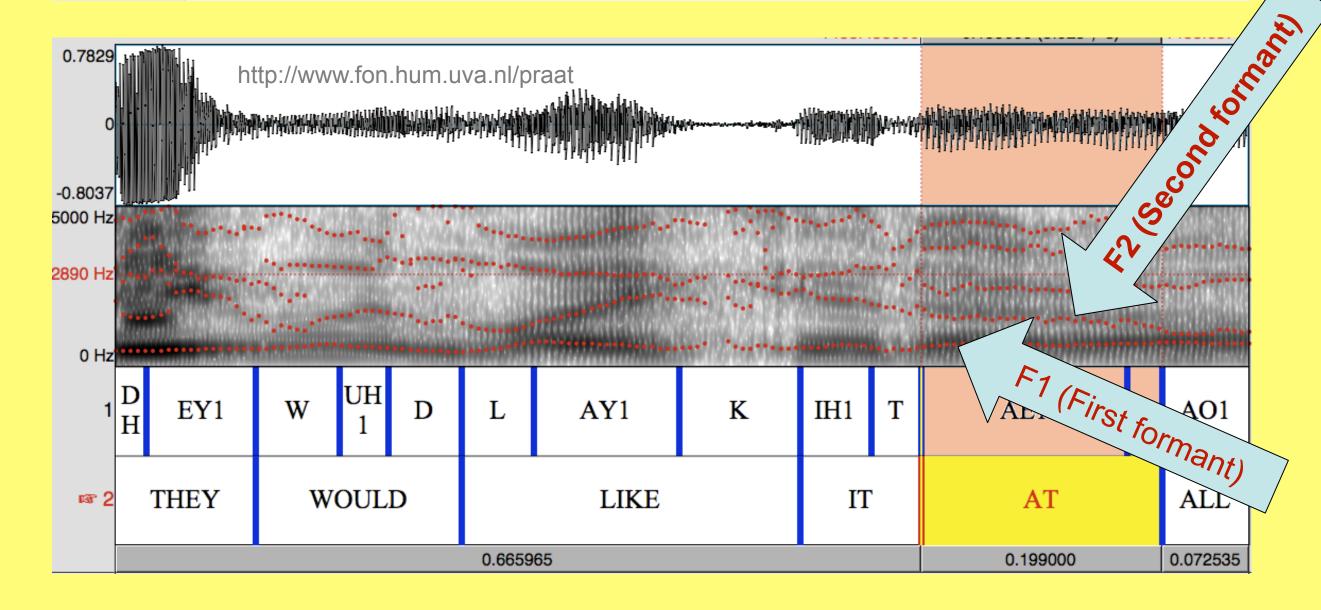


$\mathbb{E}(baa1)\pm$	Cat	Curv
bus	TONGUE LOW	

http://en.wikipedia.org/wiki/Cantonese_phonology; http://en.wikipedia.org/wiki/Vowel_diagram

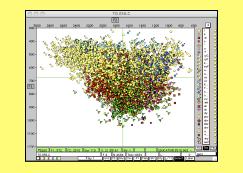






Plotnik to visualize vowel space 4.

http://www.ling.upenn.edu/~wlabov/Plotnik.html



poem

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Preliminary Findings

More Cantonese influence on the Gen 1 speaker's English than on the Gen 2:

- /i/ in closed syllable is further back in Gen 1, as it would be in that context in Cantonese.
- /ʊ/ shows a similar pattern: in Gen 1 the vowel is less fronted, as in Cantonese.
- For /æ/: the Gen 2 speaker may be participating in the Canadian Vowel Shift more.

Future plans

•We will soon have vowel measurements for Heritage Cantonese speech, and more English. •We will compare ~247,000 vowel measurements from ~30 speakers.

•This will allow us to compare vowel spaces in both languages and between generations:

Homeland Cantonese	\rightarrow	Heritage Gen. 1	\rightarrow	Heritage Gen. 2		
		Heritage Gen. 1	\rightarrow	Heritage Gen. 2	\rightarrow	English

References

Hoffman, M. and J. Walker. 2010. Ethnolects and the city: Ethnic orientation and linguistic variation in Toronto English. Language Variation and Change 22:37-67.

Nagy, N. 2011. A Multilingual corpus to explore variation in language contact situations. Rassegna Italiana di Linguistica Applicata 43.1-2:65-84.

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