

INTRODUCTION

Nagy/NWAV-AP2012

Problem

Studies of contact-induced language variation vary widely in terms of methods & contexts, inhibiting generalizable findings

Solution

Consistent methods and context, while varying pairs of languages in contact

Nagy/NWAV-AP2012

3

General framework

Contrasting languages
Consistent methodology



Collect
Collaborate
Compare
Quantify

Conclude



Nagy/NWAV-AP2012

ļ.



Conditions necessary to establish the existence of contact-induced change

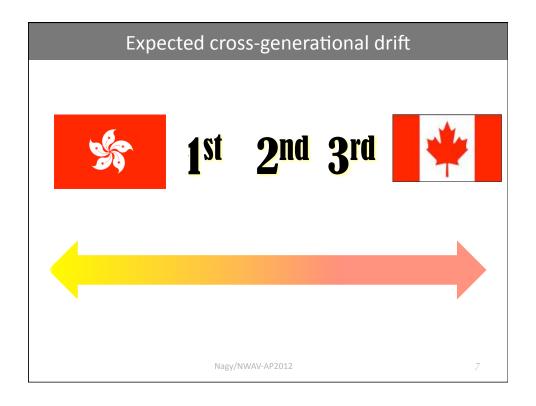
Paraphrased from Thomason (2001:93-94):

- 1. Situate the proposed change with respect to its host linguistic system
- 2. Identify a presumed source of the change
- 3. Locate structural features shared by the source and recipient languages

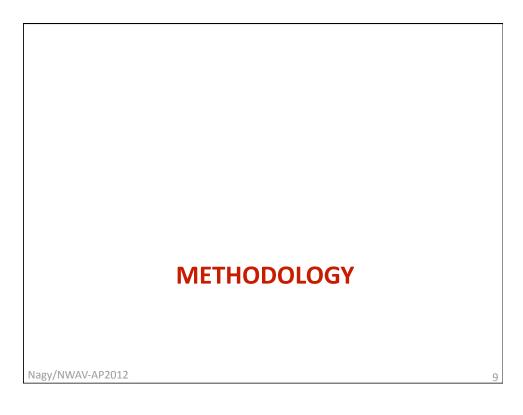
Need to find <u>several</u> structural features that have been influenced! (Nichols 2008:361)

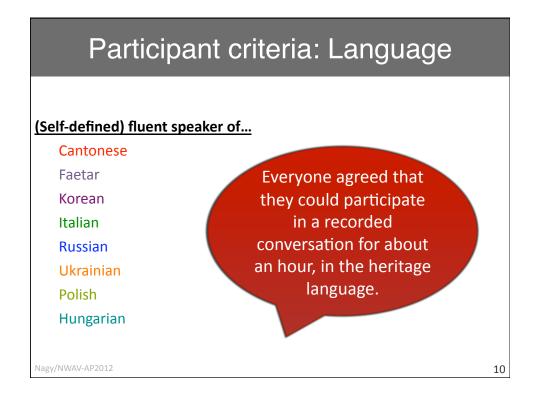
- 4. Prove that the proposed interference features were not present in the precontact variety
- 5. Prove that the proposed interference features were present in the source variety prior to contact
- 6. Rule out (or situate) internal motivations
- 7. Sociolinguists: Replace "features" with "stochastic patterns of variables"

Nagy/NWAV-AP2012



anguage M	•	Ethnic Origin	Est.	Came from
(20	06 Census)	(2006 Census)	in TO	
talian	194,000	466,000	1908	Calabria
Cantonese	170,000	537,000	1951	Hong Kong
Polish	80,095	207,495	1911	Eastern Poland
Russian	66,000	58,505	1916	St. Petersburg, Moscow
Korean	49,000	55,000	1967	Seoul
Ukrainian	27,000	122,000	1913	Lviv
Hungarian	20,190	53,210	1880	Budapest
Faetar	<100?	<500?	1950	Faeto, Celle di St. Vito
Mother t	ongue: http:/	//www40.statcan.ca	/I01/cct01/d	omo12c ong htm





Participant criteria: Generation					
Speaker of	Generation				
Cantonese	1st: born in Hong Kong; moved to GTA after age 18; in GTA 20+ years				
	2nd: born in GTA (or came from homeland before age 6); parents qualify as 1st generation				
	3^{rd:} born in GTA; parents qualify as 2nd generation				
Italian	1st: born in Calabria				
Russian	1st: born in Moscow or St. Petersburg				
Korean,					
Ukrainian,					
Nagy/NWAV-AP2012		11			

Participant criteria: Age group						
Languages Generation Age						
Languages	1st: born in homeland;	60+				
	moved to GTA after age 18; in GTA 20+ years	39-59				
		60+				
	2 nd : born in GTA (or came from homeland < age 6); parents qualify as 1st generation	40-59				
		21-39				
Cantonese		<21				
		60+				
	3 rd : born in GTA; parents qualify as 2nd generation	40-59				
		21-39				
		<21				
Nagy/NWAV-AP2012						

Participant criteria: Sex								
Languages	Generation	Age	Sex					
Cantonese		60+	2 females					
	1st: born in homeland;		2 males					
	moved to GTA after age 18	39-59	2 females					
			2 males					
Italian	u u							
Russian	u u							
Korean	u u							
Ukrainian	ш							
Faetar	ш							
Polish	\							
Hungarian	→ 320	speake	rs					
Nagy/NWAV-AP2012								

Data collection methods

- 1. Sociolinguistic interview (= conversation)
- 2. Ethnic Orientation Questionnaire
- 3. Picture Description Task

All participants were recruited, interviewed, recorded and transcribed by native speakers in the heritage language.

Analysis by fluent (if not native) linguists, with native-speaker oversight.

Nagy/NWAV-AP2012

Sociolinguistic Interview

· "Guided conversation"

Adapted from Labov 1984

- Designed to elicit relaxed, conversational speech
- · Variety of topics to find speaker's interests
- Minimize the effects of a person (stranger) with a tape recorder and microphone asking questions

Why did your family move here?

Because of work?

Because of community roots?

To be close to other Italians? Close to relatives?

Do you know where your family came from?

When did they come here? Why did they come?

Do you remember hearing stories about how your family came to Toronto? ...

Was it hard for them to get set up here?

Nagy/NWAV-AP2012

15

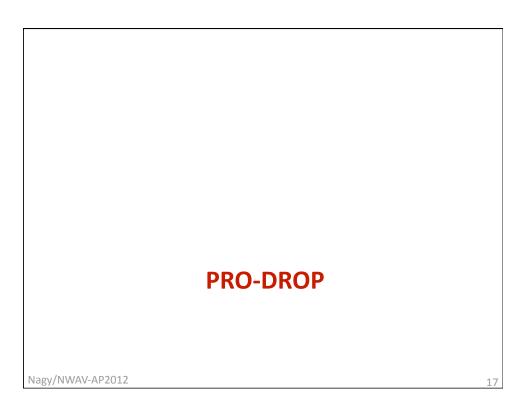
Ethnic Orientation Questionnaire

- A. Ethnic identification
 - 1. Do you think of yourself as Italian, Canadian or Italian-Canadian?
 - 2. Are most of your friends Italian?
 - 3. Are people in your neighbourhood Italian?...
- B. Language
 - 1. Do you speak Italian? How well? How often?
 - 2. Where did you learn Italian? At home? In school?
 - 3. Do you prefer to speak Italian or English?
 - 4. Do you prefer to read and write in Italian or English? ...
- C. Language choice
 - 1. What language does your family speak when you get together?
 - 2. What language do you speak with your friends?
- D. Cultural heritage
- E. Parents
- F. Partner
- G. Italian culture

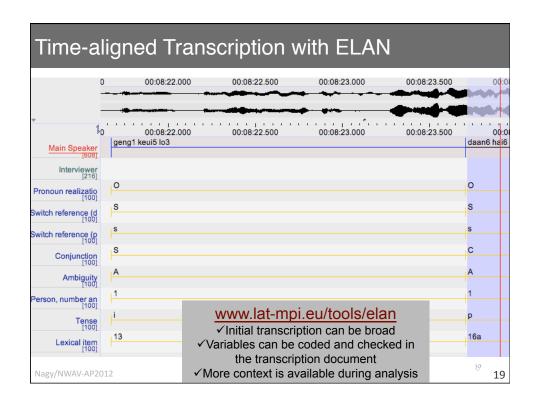
Nagy/HVADiscrimination

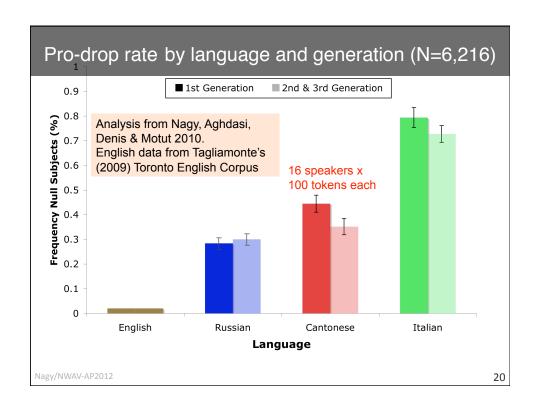
- I. Italian culture
- J. Discrimination

Adapted from Keefe & Padilla 1987, Walker & Hoffman 2008



```
Variable 1: Pro-drop
(Variable Subject Pronoun Presence)
  Italian - Canonical prodrop language
  Ø Avevo 14 anni e mia moglie ce ne aveva 13.
  Ø (I) was 14 and my wife was only 13 [I1M75A]
        Russian - Partial prodrop language
  <u>lo</u> ho
  \underline{\mathit{I}} said \underline{\mathit{Ø}} Начала немножко такой research делать.
        Ø (I) gradually started to do some research on this IR3E25A1
               Cantonese - Discourse prodrop language
        <u>Я</u> оче
                      mou-5 mat-1 yan-3 jeung-4
        <u>I</u> read
                                have
                                        any
               I do not have any memories. [C2F21B]
                                    mou-5 ga-1
                                                     yan-4
               yan-1 wai-6 <u>Ø</u>
                                                              hai-5
                                                                       dou-6
               because
                            Ø (I)
                                    not
                                             have
                                                     relative be
                                                                       here
               Because I do not have any relatives here. [C1F50A]
                                         Nagy et al. 2010
Nagy/NWAV-AP2012
                                                                                  18
```





Linguistic Factors

Subject Continuity

Same referent as previous subject

"It had the old red and gold F-W-Woolworth's sign right on the corner, Ø [it] had those little creaky wood, hardwood floors." (EXM37A)

Different referent from previous subject (switch reference)

"Ø [we] used to bring a lunch with us, sandwiches and stuff. Ø [I] remember we used to go with Darryl, and Gary, and Jack-G. and all of us." (EXM47A)

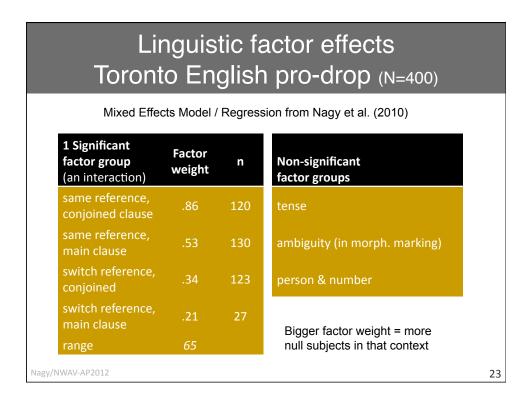
Conjunction

Main

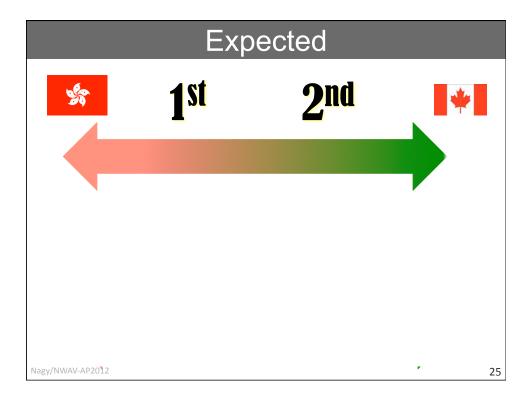
- "I went and Ø knocked on the door." (EXM44A)
- "By the time <u>Ø</u> got to England it was getting close to summer." (EXF49A) Conjoined
- "He's in the army and he goes to England three-or-four times a year." (EXM44A)
- "I went and Ø knocked on the door." (EXM44A)

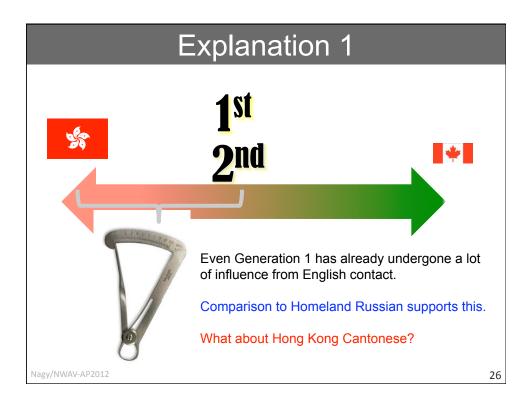
Nagy/NWAV-AP2012

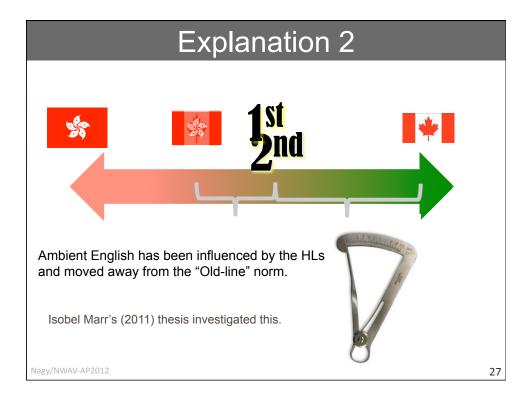
Linguistic factor effects - Cantonese						
Factors		Input = .199	N = 1,581			
		FW Ø	n			
Subject Continuity	Same	.64	966			
	Switch	.36	615			
Range		28				
Grammatical	1st	.64	1017			
Person/Number	3rd	.58	434			
	2nd	.29	130			
Range		26				
Conjunction	Main clause	.60	1500			
	Conjoined	.40	81			
Range		20				
Factor groups not selected continuity; generation × g			•			
Individual (random) s.d. = 0.627						



Cross-linguistic Comparison: Linguistic factors							
	English	Italian	Cantonese	Russian			
Generation	N/A	n.s.	n.s.	n.s.			
Subject Continuity	Same +	Same +	Same +	Same +			
Conjunction	Conj. +	n.s.	Conjoined -	Conjoined +			
Subject Continuity × Conjunction	Conj. Same + Conj. Diff	n.s.	n.s.	n.s.			
Other Sig. Factors	None	Grammatical number, Preverbal DO, Tense	Grammatical person	Grammatical person			
Generation × Linguistic Factors	N/A [n.s.	n.s.	(Negation)			
Nagy/NWAV-AP2012 2							





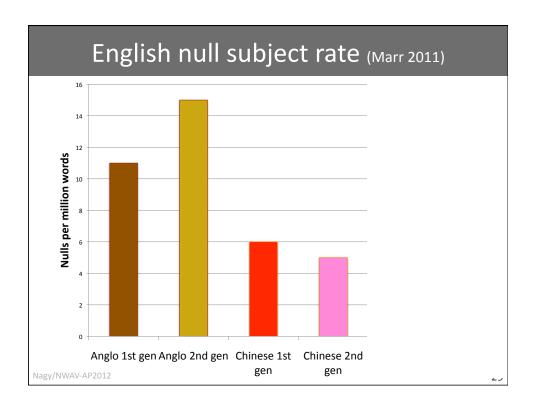


English pro-drop sample (Marr 2011)

				Et	hnic or	igin	
	Anglo			Chinese		Italian	
Sex	F		M	F		M	
Generation							
First/Older	5		5	5		5	
Second/Younger	5		3	9		10	
Total	10		8	16		15	
Total by Ethnic		18			31		
Origin							
Grand total					70		

- 2,415 tokens
- Examined all clauses with null subjects and their adjacent clauses clauses (one before and one after each), which may or may not have null subjects, following Harvie (1998).
- Generates an artificially high rate of null subject usage (~33%)
- Exclusions: imperatives, interrogatives, subordinate & relative clauses, quotations, repetitions, self-corrections, frozen expressions like *Dunno*.

Nagy/NWAV-AP2012



Comparison of English across languages & generations → convergence Chinese **Factor** 1st 2nd Subject continuity same > diff. same > diff. same > diff. same > diff. (still "universal") Conjunction conj. > main conj. > main conj. > main conj. > main Verb category state> act > state act > state act > state act Tense n.s. n.s. n.s. n.s. Input value 33 .31 .33 432 151 527 446 Nagy/NWAV-AP2012 30

Explanation 3

What about the lack of correlation with EOQ scores?

- Perhaps speakers don't use <u>this</u> variable to index gender or ethnic orientation.
- o We might find effects with other variables.

Nagy/NWAV-AP2012

31

CLASSIFIERS

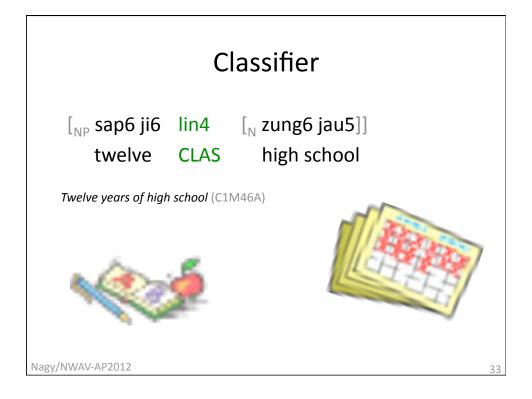
from:

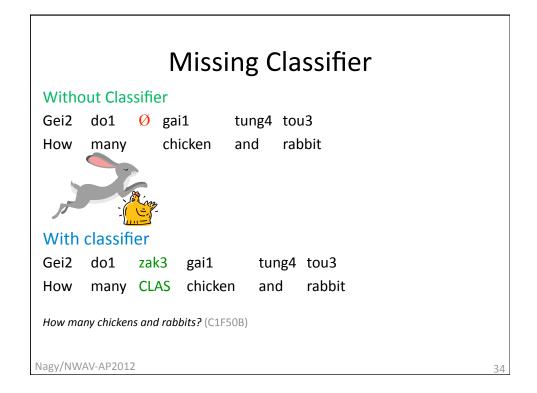
Naomi Nagy, Josephine Tong & Tiffany Chung

Workshop on Cantonese Linguistics

Ohio State University 2012

Nagy/NWAV-AP2012





"Optional" Classifiers

Without Classifier

yam5 dak1 taai3 do1 Ø cha6 drink partitive too much tea

Sometimes I drink too much tea. (C2F27A)

With classifier

yam5 dak1 taai3 do1 bui2 cha6 drink partitive too many CLAS tea Sometimes I drink too many cups of tea.

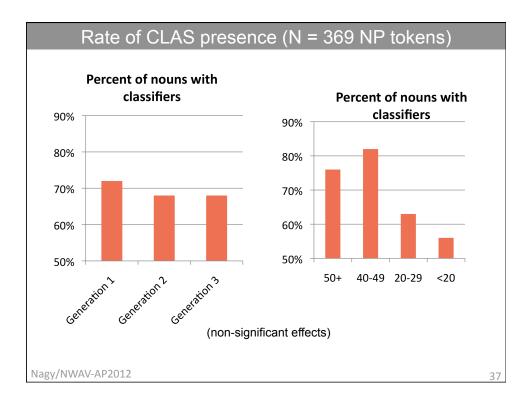
Nagy/NWAV-AP2012

35

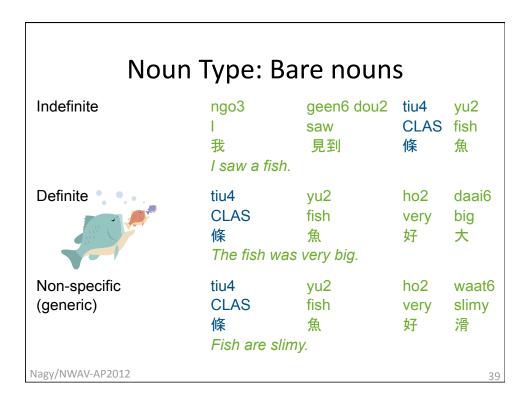
Data and Analysis

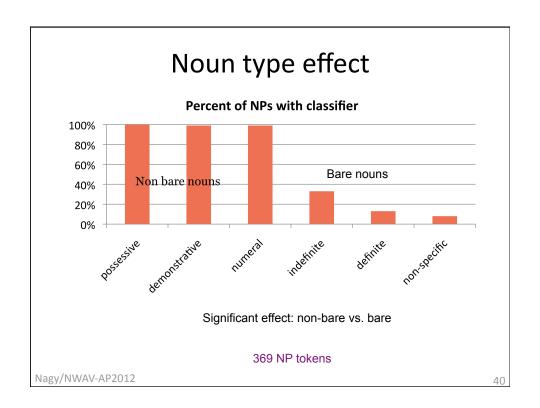
- Dependent variable: presence or absence of classifier preceding a noun
- o Independent linguistic variables:
 - Noun type
 - o Countability of noun
- 12 speakers x 25 tokens

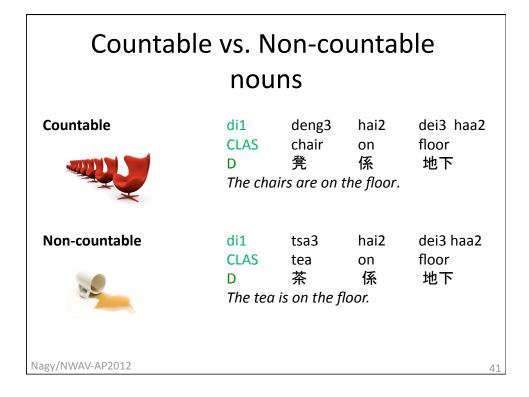
Nagy/NWAV-AP2012

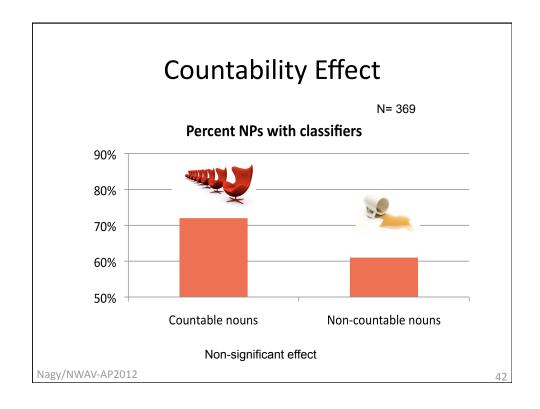


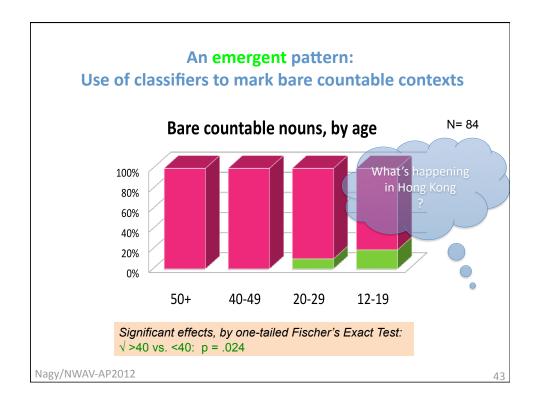
Noun Type: Non-bare nouns							
Possessive + noun	ngo3 我 my <i>my fish</i>	tiu4 條 CLAS	yu2 魚 fish				
Number + noun	yat1 — one one fish	tiu4 條 CLAS	yu2 魚 fish				
Demonstrative + noun	ni1 呢 this <i>this fish</i>	tiu4 條 CLAS	yu2 魚 fish				
Nagy/NWAV-AP2012			38				

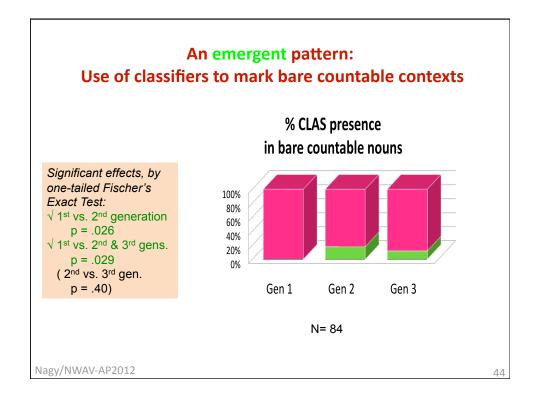


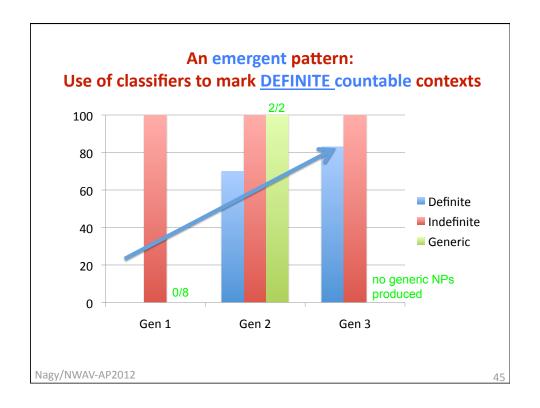




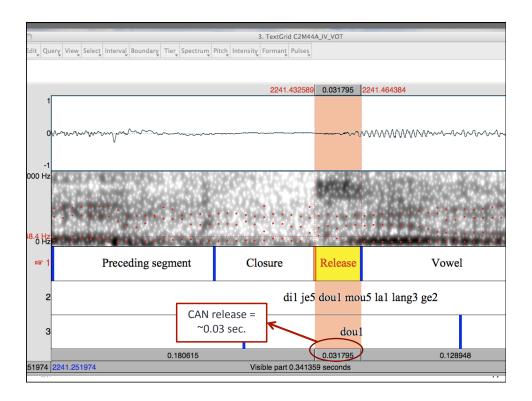


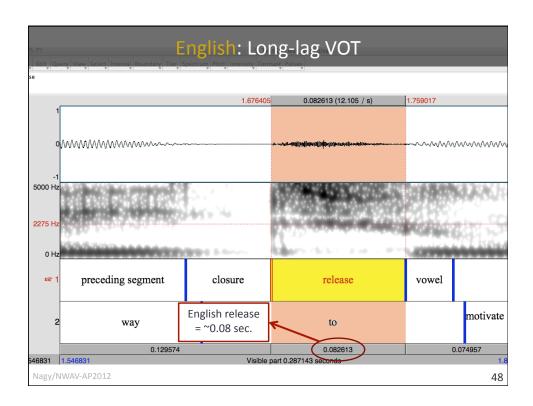


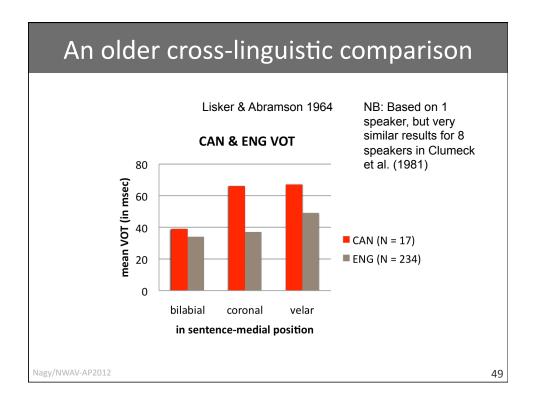


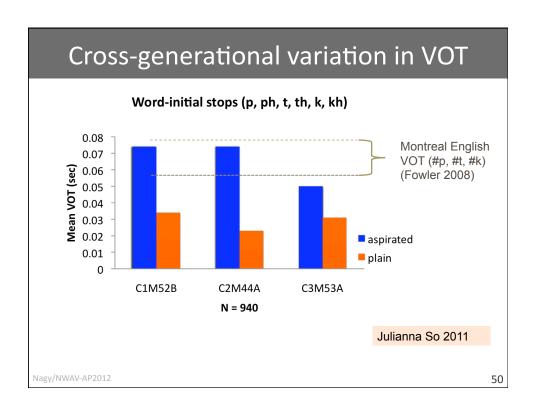


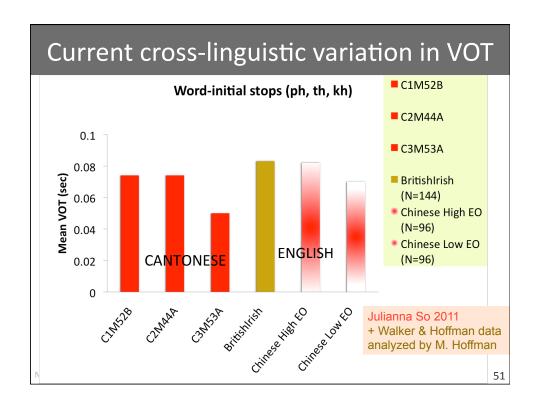


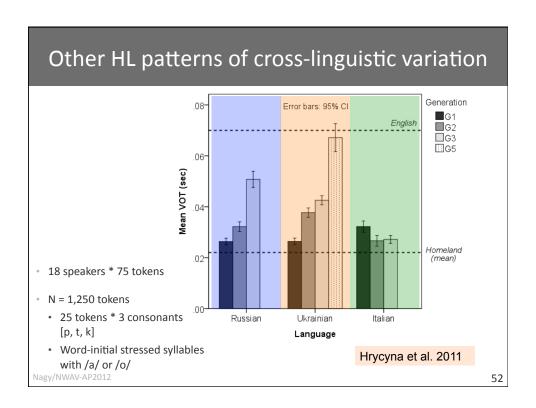












Discussion

Ø-subjects

- NO generational differences for rate or linguistic conditioning that can be attributed to contact with English (in any Heritage Language).
- By 2nd generation, English in all communities = Anglo English.
- Surprisingly, Heritage Cantonese speakers have a lower rate of null subjects in English than native English speakers.
- · No effect of EOQ scores.
- · Homeland patterns?

Classifiers

- · Change in progress, related to English?
- · Homeland and EOQ analyses needed
- VOT
 - Clear cross-generational drift from homeland to English norms for Russian & Ukrainian, but not Cantonese or Italian
 - Drifting languages show EOQ effects (& changes in progress).
- EOO effect in English; not enough data for CAN

53

감사합니다 Дякую Grazie molto Спасибо gratsia namuor:a The HLVC RAs: **Awet Tekeste** Janyce Kim Jin Bahng Iryna Kulyk Sarah Truong Ann Kwon Vanessa Bertone Dylan Uscher Alex La Gamba Ulyana Bila Ka-man Wong Natalia Lapinskaya Rosanna Calla Olivia Yu Olga Levitski Minji Cha & Collaborators Kris Lee Karen Chan Nikki Lee Yoonjung Kang Kate Chtcherbakov Arash Lotfi Alexei Kochetov Sheila Chung Jamie Oh Marco Covi James Walker Tiina Rebane Derek Denis & Meghan Hollett Hoyeon Rim Tonia Djogovic for her Russian data Anna Shalaginova Joyce Fok & Michol Hoffman, James Yi Qing Sim Dongkeun Han Walker & Sali Mario So Gao Natalia Harhaj Tagliamonte for use of Chen Li English data Taisa Hewka Melania Hrycyna Grace Lui & SSHRC and ROP for http://projects.chass.utoronto.ca/ngn/HLVC 54

Methods references

Keefe, S. & A. Padilla. 1987. *Chicano Ethnicity*. Albuquerque, NM: University of New Mexico Press.

Labov, W. 1984. Field methods of the Project on Linguistic Change and Variation. In J. Baugh & J. Sherzer (eds). *Language in Use*. Englewood Cliffs: Prentice Hall. 28-54.

Nagy, N. 2009. Heritage Language Variation and Change in Toronto.

http://projects.chass.utoronto.ca/ngn/HLVC.

---. 2011. A multilingual corpus to explore geographic variation. *Rassegna Italiana di Linquistica Applicata 43.1-2:65-84.*

Nichols, J. 2008. Universals and Diachrony: Some Observations. In J. Good, ed. *Linguistic Universals and Language Change*. Oxford.

Statistics Canada. 2007. Population by mother tongue, by census metropolitan area (2006 Census). http://www40.statcan.ca/l01/cst01/demo12c-eng.htm.

Thomason, S. G. 2001. *Language contact: An introduction*. Edinburgh University Press. *Toronto Star*. The language quilt. Dec. 30, 2007.

Tagliamonte, S. & D. Denis. 2010. The stuff of change: General Extenders in Toronto, Canada. *J. of English Linguistics* 38:355–367 (Toronto English Corpus).

Walker, J. & M. Hoffman. 2008. Language Contact, Linguistic Variation and Ethnic Identity in Toronto English. http://www.yorku.ca/jamesw/projects.htm.

Nagy/NWAV-AP2012

55

Classifier references

- Huang Chu-Ren, Chen Keh-Jiann and Gao Zhao-Ming. Noun Class Extraction from a Corpus-Based Collocation Dictionary: An Integration of Computational and Qualitative Approaches. 1998. *Quantitative and Computational Studies on the Chinese Language*. 339-351.
- Nagy, N., T. Chung & J. Tong. 2012. Classifier variation and change in Toronto Heritage Cantonese. Workshop on Innovations in Cantonese Linguistics. The Ohio State University.Wei, L. & S. Lee. 2001. L1 development in an L2 environment. International Journal of Bilingual Education and Bilingualism 4.6:359-82.
- Yip, V. & S. Matthews. 2000. *Basic Cantonese: A Grammar and Workbook*. Routledge: London & NY.

Nagy/NWAV-AP2012

Pro-drop references

Bayley, R. & L. Pease-Alvarez. 1997. Null pronoun variation in Mexican-descent children's narrative discourse. *LVC* 9:349-371.

Biberauer, T., A. Holmberg, I. Roberts, & M. Sheehan. 2010. *Parametric Variation: Null Subjects in Minimalist Theory*. Cambridge; NY: Cambridge UP.

Cameron, R. 1993. Ambiguous agreement, functional compensation, and nonspecific tú in the Spanish of San Juan, Puerto Rico, and Madrid, Spain. *LVC* 5:305-34.

Flores-Ferrán, N. 2004. Spanish subject personal pronoun use in New York City Puerto Ricans: Can we rest the case of English contact? *LVC* 16:49-73.

Harvie, D. 1998. Null subject in English: Wonder if it exists? *Cahiers Linguistiques d'Ottawa*, 26:15-25. Heap, D. & N. Nagy. 1998. Subject pronoun variation in Faetar and Francoprovençal. NWAV-26 à l'Université Laval. Québec: Nota bene. 291-300.

Hollett, M. 2011. Null subject variation in Heritage Russian in Toronto: University of Toronto MA Thesis.
 Marr, Isobel. 2011. Imposition and identity in null subject usage: Contact effects among speakers of Chinese, Italian and Anglo background in Toronto. <u>University of Toronto</u> Master's Thesis.

Nagy, N., N. Aghdasi, D. Denis, & A. Motut. 2011. Pro-drop in <u>Heritage Languages</u>: A cross-linguistic study of contact-induced change. <u>Penn Working Papers in Linguistics</u> 17.2, Art. 16.

Otheguy, R., A. Zentella, and D. Livert. 2007. Language and dialect contact in Spanish in New York: Toward the formation of a speech community. *Language* 83:770-802.

Paredes Silva, V. 1993. Subject omission and functional compensation: Evidence from written Brazilian Portuguese. *LVC* 5:35–50.

Raña Risso, R. 2010. Subject pronoun placement as evidence of contact and leveling in Spanish in New York. *Int'l Journal of the Sociology of Language* 203:101–114.

Torres Cacoullos, R. and C. Travis. 2010. Variable yo expression in New Mexico: English influence? Spanish of the Southwest: A language in transition. S, Rivera-Mills & D. Villa (eds.). Frankfurt: Nagy/Niberoamericana/Vervuert.

57

VOT references

Clumeck, H., D. Barton, M. Macken & D. Huntington. 1981. The aspiration contrast in Cantonese word-initial stops: data from children and adults. *Journal of Chinese Linguistics* 9.2:210-226.

Flege, J., M. Munro & I. MacKay. 1995. Effects of age of second-language learning on the production of English consonants. *Speech Communication* 16: 1-26.

Fowler, C., V. Sramko, D. Ostry, S. Rowland & P. Hallé., 2008. Cross language phonetic influences on the speech of French- English bilinguals. *Journal of Phonetics* 36(4): 649-663. Hrycyna, M., N. Lapinskaya, A. Kochetov & N. Nagy. 2011.

<u>VOT drift in 3 generations of Heritage Language speakers in Toronto</u>. <u>Canadian Acoustics</u> 39.

Lisker, L. & A. Abramson. 1964 . A cross-language study of voicing in initial stops: Acoustical measurements. *Word* 20.3: 384-422

Nagy, N. & A. Kochetov. *forthcoming*. Voice Onset Time across the generations: A crosslinguistic study of contact-induced change. In *Multilingualism and Language Contact in Urban Areas: Acquisition - Development - Teaching - Communication*. P. Siemund, I. Gogolin, M. Schulz & J. Davydova, (eds.). Amsterdam: John Benjamins.

Ringen, C. & V. Kulikov 2010. Voice Onset in Russian. 16th Annual Mid-Continental Workshop on Phonology (MCWOP). Chicago, IL, October 29-31, 2010.

So, J. 2010. Analysis of Vowel Contexts that Trigger Palatalization of Cantonese Sibilants. (University of Toronto ms.)

Sorianello, P. 1996. Indici fonetici delle occlusive sorde nel cosentino. *Rivista Italiana di* Dialettologia, 123-159.

Heritage Language Va	riation and (Change	e in Tor	onto	
Contact: Naomi Nagy	Yes! I would like		you with th	е	
4070 Sid Smith	Cantonese		Korean		
University of Toronto	Faetar		Russian		
naomi.nagy@utoronto.ca	Greek		Ukrainian		
More information at:	Italian		Punjabi		
http://projects.chass.utoronto.ca/ngn/HLVC	Portuguese		Polish		
Name: E-mail: Telephone:	I can help you very speaking/und Recruiting information of the Conducting in Transcribing in Quantitative series	erstandin ormants terviews nterviews	 		
Nagy/NWAV-AP2012				5	59

