

Goals

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- training forum in which to develop protocols for sharable data that conform to the spirit of NSF policy (for sharable archived data)
- describe and problematize how we indicate use of multiple languages
 within one conversation and efforts to maintain consistency across
 protocols from different languages/communities, commenting on efforts to
 make these transcripts useful for inquiries developed subsequent to
 transcription
- appropriate metadata for language choice (at speaker level)
- specific coding conventions for language choice (at word/phrase level, while transcribing)

What is the HLVC Project?

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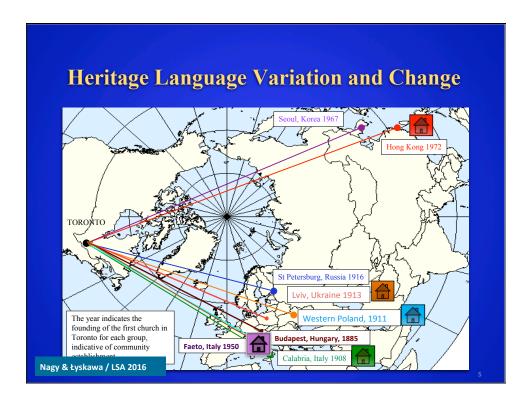
- Large-scale project investigating <u>V</u>ariation and <u>C</u>hange in Toronto's <u>H</u>eritage <u>L</u>anguages.
- Project's goals (Nagy 2011)
 - To document and describe heritage languages (HL) spoken by immigrants and 2 generations of their descendants
 - To create a corpus available for research on a variety of topics
 - To push variationist research beyond its monolingually-oriented core (and its majority language focus) (cf. Nagy & Meyerhoff 2008)
- Descriptive and theoretical goals:
 - > develop generalizations about the types of variable features, structures or rules that are borrowed earlier and more often
 - > Use consistent methods across languages and variables

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If the IVs are in the HLs, why are we in this workshop?



- HLVC goal is to describe heritage languages and we do everything possible to elicit data in those varieties (cf. Labov 1984 on interview methods)
- But, in a multilingual metropolis people regularly use >1 language, including in interviews
- So we need to annotate language choices for 3 reasons:
 - Exclude "English" however we define that from HL analysis
 - Many students & scholars are interested in using the data to study code-switching
 - Code-switching rate may be an important independent variable (*cf.* Torres & Travis 2011)



Contrasting demographics Toronto, 2011 Census

Mother Tongue

Wother Tongae								
<u>Language</u>	<u>speakers</u>	Ethnic Origin	Est. in T	O Speakers from				
Cantonese	170,000+	594,735	1951	Hong Kong				
Italian	166,000	475,090	1908	Calabria				
Russian	78,000	118,090	1916	St. Petersburg, Moscow				
Ukrainian	26,000	130,355	1913	Lviv				
Polish	75,275	214,460	1911	Western Poland				
Korean	51,000	64,755	1967	Seoul				
Faetar	<300?	800	1950	Faeto & Celle (Apulia)				

www40.statcan.ca/l01/cst01/demo12c-eng.htm; www12.statcan.gc.ca/

Data collection methods for naturalistic speech 7

- 1. Sociolinguistic interview
- 2. Ethnic Orientation Questionnaire
- 3. Picture Description Task

All conducted and recorded by native speakers in the heritage language





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Amery & Cartwright 1987

Different languages; different protocols

- Focus on representation and annotation of English in transcripts of conversations in Heritage Languages (Cantonese Faeta Italian/Calabrese) Korean, Polish, Russian, and Ukrainian)
- 1. Review methods that differ by language team
- 2. Show some implications
- 3. Discuss best option(s) for standardizing

Metadata (about speakers)

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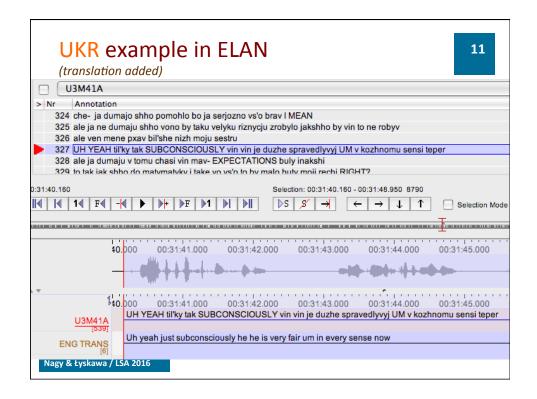
- HLVC Interview catalog contains (some) notes regarding switches to English
- Examples:
 - RUS & UKR: nothing noted in catalog (but easy to count in interview .eafs)
 - KOR, as the result of a year-long study (Chung 2010), has a "code-switch" column: ves/some/no
 - POL, as the result of 2 year-long studies (Łyskawa 2015, Łyskawa *et al. fc.*), has notes on code-switching: *lots/Ø*
 - ITA has few notes: For over 40 speakers, we see 2:
 - "Very chatty, lots of code switching!" (I2F53A)
 - "Does not speak much Italian at all, words are mostly cued in by interviewer, partial transcription as a consequence" (I3M15A)
 - CAN:
 - "Clear, Lots of English Phrases" (C2M21B)
 - good sound, lots of English...One-word answers" (C3F12A)
 - "Speaks lots of English" (C3F18A and C2M14A)

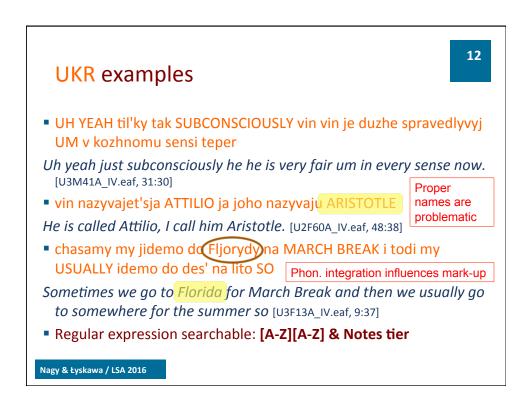
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Ukrainian- the most straightforward

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- transcribe English words with capital letters
- "If a word exists in both language, then I will listen closely to the phonology and transcribe it accordingly.
- If they pronounce an English word with a Ukrainian accent then I will transcribe it in Ukrainian, but I will make a note in the notes tier." [MH]





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RUS examples

Aga, ja prepodavala francuzskij v [ENG: UofT], jeto bylo vsjo [ENG: part-time].

Yes, I taught French at UofT, it was all part-time. [R1F55B_IV_PR.eaf, 2:38]

■ Tam oni ochen' mnogo tam [ENG: fundraising] i tam raznyx vesjolyx veshhej.

There they do a lot of fundraising and various fun things. [R2F12A_IV_PR.eaf, 0:24]

• Regular expression searchable: "[ENG:"

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RUS protocol

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- 3-letter language tag "ENG" (or another language) introduces any non-Russian word/phrase, which is bracketed
- "Whether we use English spelling or transliterate the utterance depends largely on how the speaker says it, whether they use English-like or Russian-like pronunciation." [NL]
- Proper nouns like "UofT" are written in English. Russian words (sometimes) exist for the same concepts."
- English words with Russian morphemes are transcribed as Russian
- NB: transcription is transliteratable with Comrie & Corbett's (2002) system, at http://www.translit.ru/

■ da, vam poslajsat kolbasku ili pisikom da.

Yes, would you like your kielbasa sliced or in one piece, yes.

[R1M56A_IV_PR.eaf, 0:29:23]

poslajsat pisikom
po+slice+at' piece+ik+o
"to slice" "in one piece"

Not regular expression searchable

Cantonese

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- Current transcription system: use Jyutping (jyut6 ping3) romanization
 - every Cantonese word has a number indicating tone as the final character
 - But there are also tone markings on some English words
 - Mandarin borrowings aren't distinguished
- Now adding: transcribing characters (粵語字)
 - Cantonese and English will be more distinct
 - Mandarin borrowings will still not be searchable [SL]

Examples from Cantonese

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 seng4 jat6, ngo5 dei6 seng4 jat6 heoi3 pet store go2 zan4 si4 le3 keoi5 hai6

When we go to the pet store she always goes -- [C2F16A_IV.eaf 29:29]

"Usually" like mou2 gam3 je6 la1

usually, like, not very late [C2F16A_IV.eaf 6:55]

 zing3 fu5 le1 zau6 jau5 jat1 di1 giu3 zou6 nousing scheme bei5 ni1 di1

The gov't has something known as housing scheme to provide-- [C1M61A_IV.eaf, 4:20]

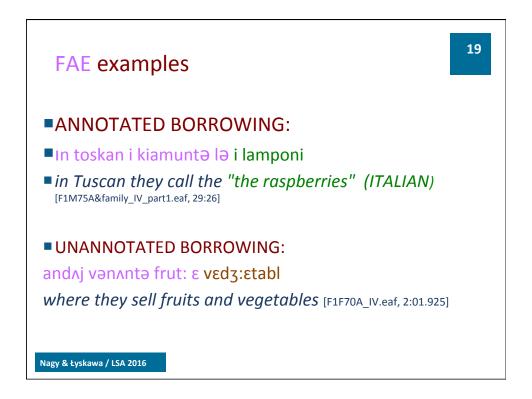
English words without tone are regular expression searchable:[a-zA-Z]\s

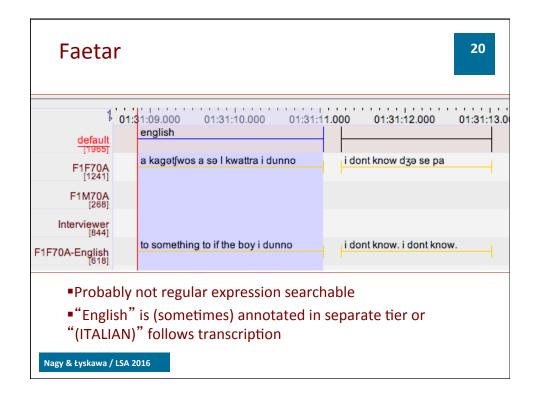
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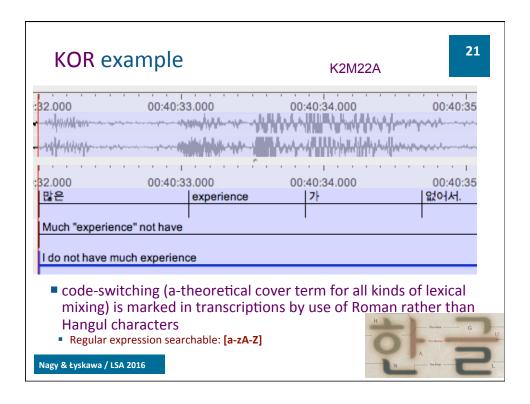


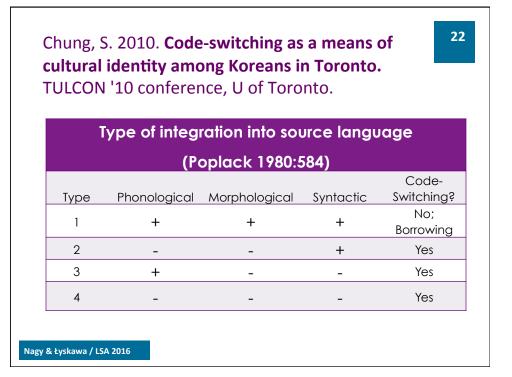
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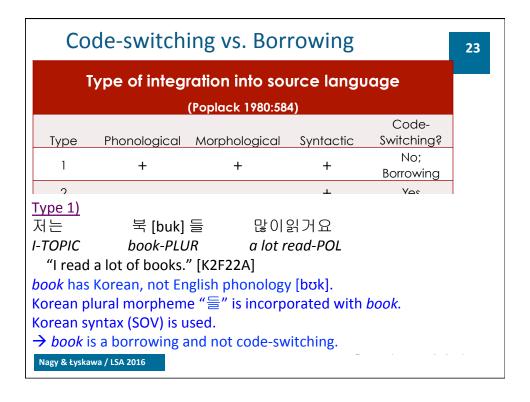


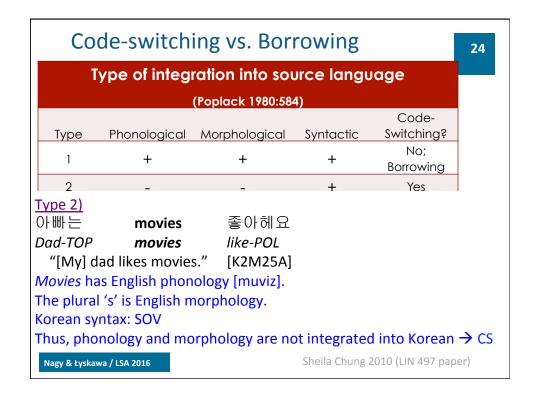


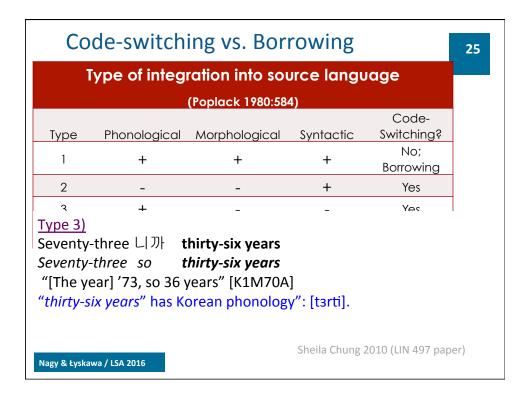


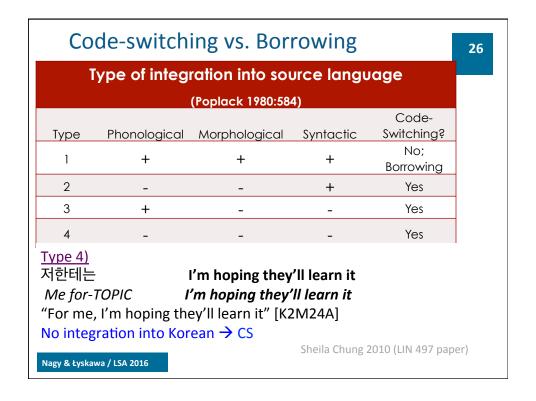


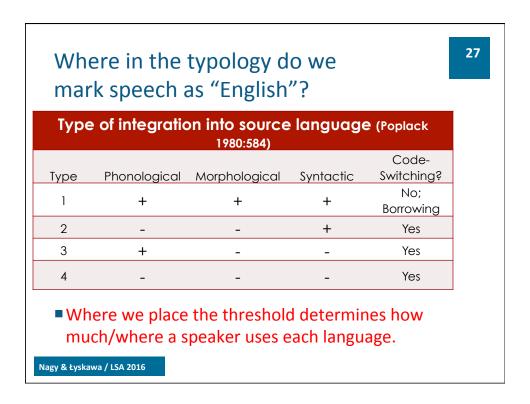


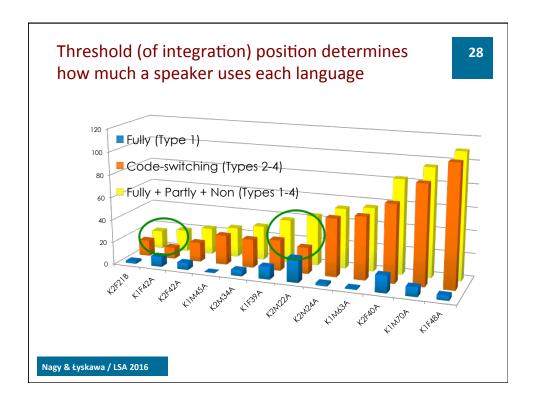


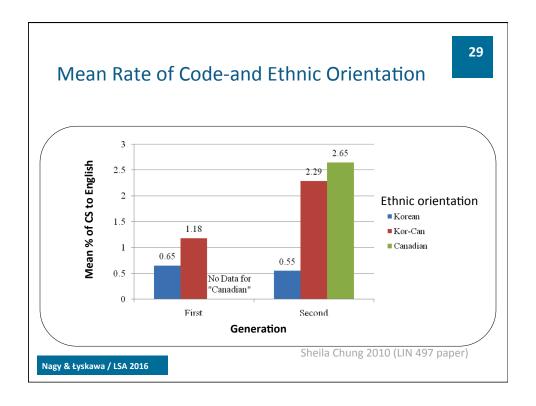












Recommendations (for the HLVC proofreading phase)

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- General principles for transcribing a corpus for multiple uses:
 - 1. Find a way that's fast to do basic mark-up of "everything."
 - 2. Let people investigating specific issues do further mark-up.
- → Anything English-y should be marked.
- Mark-up could be on a separate tier or bracketed & flagged. Which is better?
 - If on separate tier, then time-aligned (slower to produce; faster to analyze).
 - For KOR (and sometimes CAN) it's a different orthography so no further annotation is needed.
- Proper nouns need to be marked.
 - Hyphenate proper nouns reliably.
 - Use capitalization only for proper nouns.

Many tasks require tagging language choice

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- Coding sociolinguistic variables
- Measuring phonetic variation
- "Quick" measures of "proficiency"
 - Speech rate exclude English switches?
 - Vocab size how many words are English?
 - Code-switching rate
 - Note: We don't necessarily want these measures to "work," i.e., correlate to sociolx variation or to EOQ, but there is tension between the methods of var. sociolx., endangered lg. documentation & SLA
- Automation, such as forced alignment

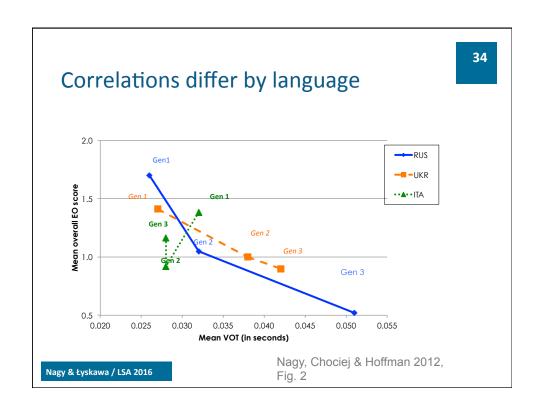
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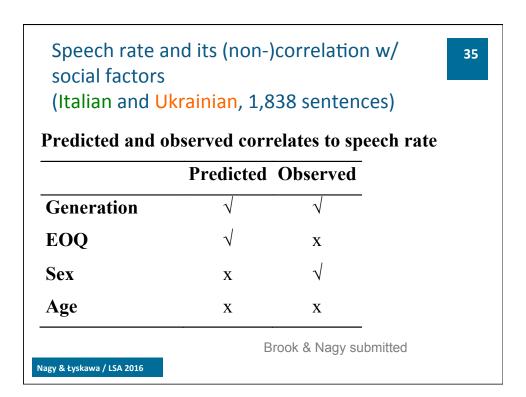
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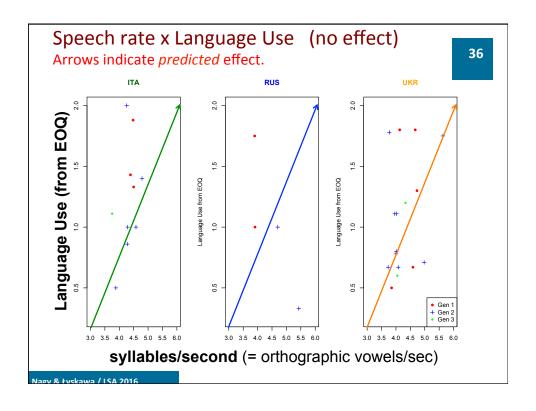
Connecting Ethnic Orientation

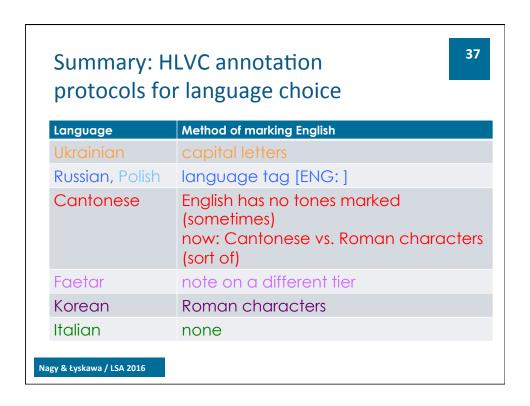
- Ethnic Orientation (EO) is assumed to correlate to many linguistic variables including code-switching rates and types.
- Our studies have produced mixed results.
- We begin by quantifying the responses to each item in the Ethnic Orientation Questionnaire on a scale:
 - 0 = English / Canada oriented
 - 1 = mixed
 - 2= heritage language / Homeland oriented
 - These can be examined in isolation, or totalled, or averaged, or analyzed by Principle Components...
 - (cf. Keefe & Padilla 1987, Nagy, Chociej & Hoffman 2012 (@ LSA Satellite Workshop)

	for Heritage Polish					
Significant correlations with Code-switching Rate		Non-significant correlations with Code-switching Rate				
ndividual EO (Q A1)	-	Homeland contact				
anguage Use ave.	-	Parents' lg. use ave.				
anguage Choice ave.	-	Partners' lg. use ave.				
Overall EO score	-	Cultural practices				
Case mismatch	+	Discrimination experiences				
Devoicing	+	Age				
		Generation				









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