

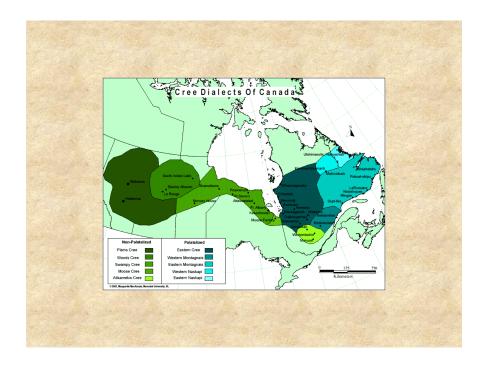
Funding

Social Sciences and Humanities Research Council (SSHRC) for Canada

- 2004-08 Standard Research Grant
- 2008-11 Standard Research Grant

Cree School Board (James Bay Region)

• 2006-07 funding for Cree-to-English translation



- Chisasibi population:
 - 3,800 Cree (Cree/English)
 - 200 Inuit (English/Cree; Inuktitut)
 - 300 non-native (French/English)

POLYSYNTHETIC

Âtichinâpihîkinuwishtikwânikiwâu.

"S/he gives him/her the package of the meat from the head of a caribou that was cleaned out."

âtichinâpihîkinuwishtikwânikiwâu upside.downopenpassiveheadtransitivizer3subject/3object

SYLLABICS

。。	ni-pûshî-m	my cat
ᢐᠫᡭᠮ᠀	ni-pûshî-m-ish	my kitty
σ > Υ΄ΓΥὼ°	ni-pûshî-m-ish-inân	our kitty
σݢݕݚݤݞݲݛ	ni-pûshî-m-ish-inân-ich	our kitties



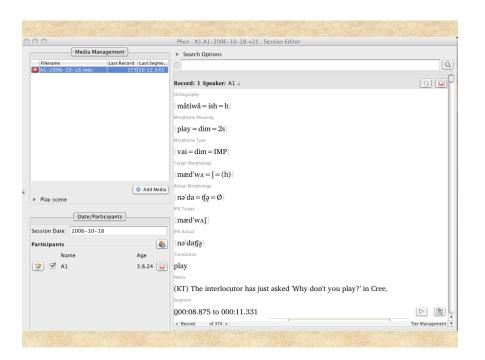
Overview of CCLAS methodology and progress

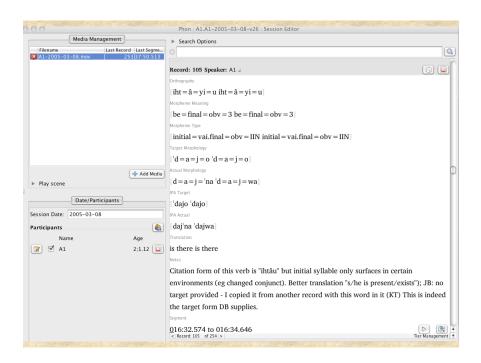
- Overview of Cree inflection
- Preliminary observations on Cree L1 acquisition

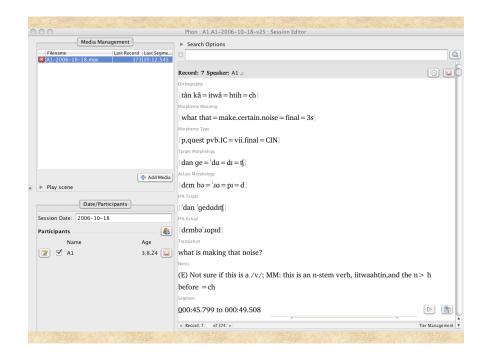
2007 to present: Data processing

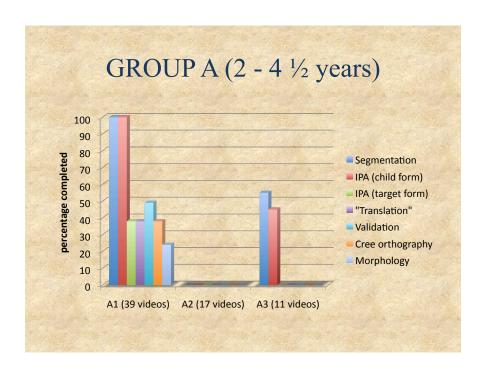
STEP 1

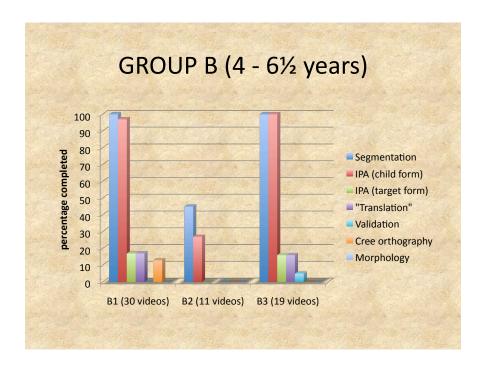
- SEGMENTATION, using PHON.
- This creates, usually, several hundred records per session.
- Each record has detailed information about what the child says.
- Retains access to adult exchanges with child for context.

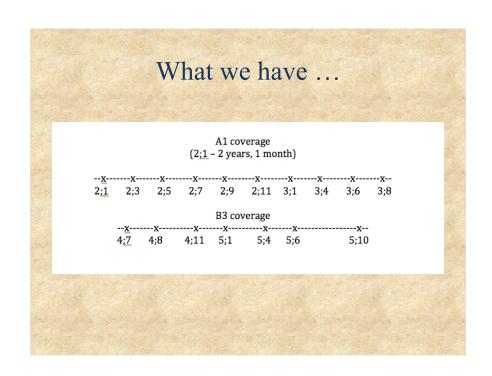












Cree inflection

- 3 syntactic categories traditionally recognized (Bloomfieldian tradition):
- verb, noun, "particle" (morphological classification)
- Oxford 2008: adnominal particles (adjectives and quantifiers), prepositions, adverbs, focus particles, question particles, negators, conjunctions, and interjections.

Verbal morphology

- 3 "orders"
 - Independent order (declarative main clause)
 - –Conjunct order (wh-clauses, subordinate clauses)
 - -Imperative order

Independent Order

chinikimun
 chi- nikimu -n
 2 sing(AI) Subj:non.3.indicative
 'You.sg sing/are singing.'

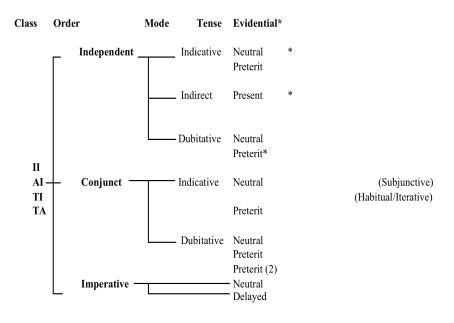
 AI (animate intransitive); II (inanimate intransitive); TA (transitive animate); TI (transitive inanimate)

Conjunct Order aa-nikimuyin aa- nikimu-yin preverb sing(AI) Subj:1.sg.indicative '... when you.sg sing/are singing.'

• Inflection is less transparent in Conjunct than in Independent.

Imperative Order

nikimuh nikimu (-h) sing(AI) S:2sg 'Sing!'



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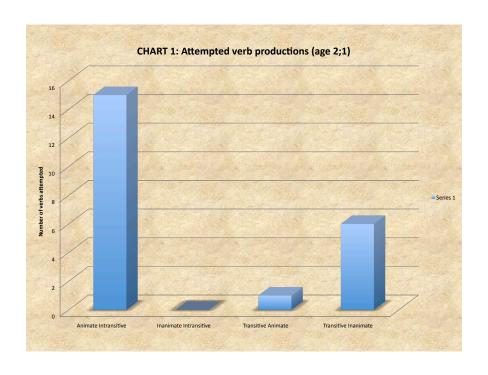
2005-03-08 (age 2;1): 22 verb productions attempted

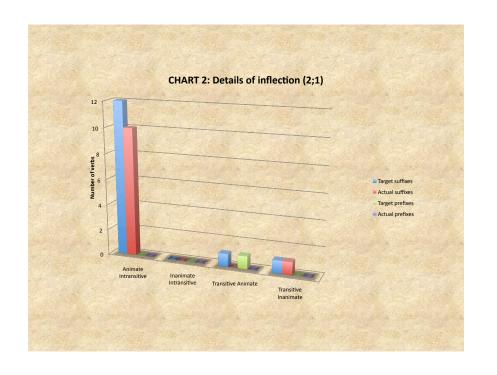
VERB MEANING/TYPE	CREE (CITATION	NUMBER OF
	FORM)	OCCURRENCES IN
		SESSION
Animate Intransitive (AI)		15
'be' (locative)	ihtaa <mark>u</mark>	7
'do'	ihti <mark>u</mark>	1
'cry'	maatu <mark>u</mark>	3
'say'	itaau	1
'eat'	naanaa ("baby form")	3
Inanimate Intransitive (II)		0
Inanimate Intransitive (II)		0
Inanimate Intransitive (II) Transitive Animate (TA)		0
	iyâwâ <mark>u</mark>	
Transitive Animate (TA)	iyâwâ <mark>u</mark>	1
Transitive Animate (TA)	iyâwâ <mark>u</mark>	1
Transitive Animate (TA) 'have it (animate)'	iyâwâu waapihtim	1
Transitive Animate (TA) 'have it (animate)' Transitive Inanimate		1

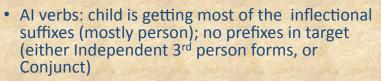
What might we expect? (frequency of forms in input yet to be determined)

In early productions ...

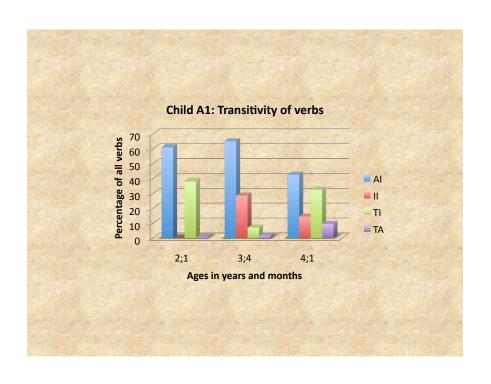
- higher number of intransitive forms (TA forms might be especially harder to learn – Person/ Gender hierarchy to be figured out)
- Independent order morphology more transparent (and resembles nominal morphology)
- Conjunct order high frequency (wh-questions)
- Imperative order high frequency + 2s form = bare root

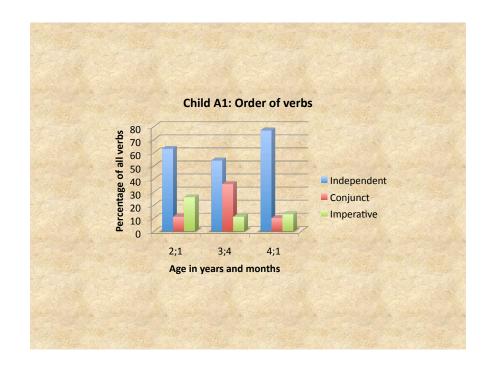






- II verbs: none
- TA verbs: child fails to produce inflection (no suffixes or prefixes)
- TI verbs: child produces all the suffixes (there are no prefixes)
- Al and TI may be acquired earlier?





Research completed, underway

Swain 2008, "The Acquisition of Stress in Northern East Cree: A Case Study" (MA thesis)

- based on longitudinal case study of A1 (aged 2;02 to 4;01)
- pitch is the primary cue for marking stress in NE Cree; Swain argues that A1 is able to use this cue from the first session (acoustic analysis shows A1 uses an increase in pitch on stressed syllables)
- Further, argues that A1 has already acquired all but one of the relevant metrical parameter (extrametricality)
- settings for NE Cree acquired early (by 2;1); theoretically significant in light of claims that children are born with a universal set of default metrical parameter settings, thus supporting a neutral start in the acquisition of stress.

Oxford 2007: Development of the NEC pronoun/ demonstrative inventory (A1 data)

See Algonquian conference handout (2007). Preliminary generalizations – sequences of acquisition:

- Non-adverbial demonstratives: Prox Sg > Inan Obv Sg, Anim Prox Pl > Inan Prox Pl
- Adverbial demonstratives: Extended > Restricted

Kevin Terry (MA), ongoing, the development of verbal inflection, a Case study (A1 age 2;1 to 4;1).

- Caregiver speech ("baby forms", intonational patterns; non-target-like (over)use of pronouns)
- Perceptual vs. morphological salience

Child produces stressed syllables (final syllable in disyllabic forms)

Two syllables in target, one syllable produced

```
chipiha
 Adult:
              [tsəba]
 Child A1:
              [ba]
mâtû
           's/he is crying'
              [mæ'do]
 Adult:
 Child A1:
                [d\Lambda]
```

'close it'

Nominals

 A high proportion of A1's nouns are English; none of her verbal productions are. English nouns are sometimes inflected with Cree morphology (also found in target language).

References

 Oxford, Will. 2008. A grammatical study of Innu-aimun particles. In the series Memoir 20.
 Winnipeg: Algonquian and Iroquoian Linguistics.

Our current interests

- Development of inflectional morphology in general.
- W.r.t nominals: number, gender; obviative/ proximate distinction; possession; verbal morphology (preterit suffix)
- W.r.t verbs, how is the development of argumentreferencing morphology related to the target-like use of DPs?
- What about: transitivity; orders; conceptual complexity; morphological typology; frequency of forms in target language?