Constraints on Cross-Language Influence, Code-Switching, and Code-Blending

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Bilingualism, cross-language influence and the architecture of the lg. faculty

- 0 How autonomous are a bilingual's two languages?
- $\,\circ\,$ Why do children (and adults!) mix languages within utterances?
- How exactly do two separate grammars interact?
- In what ways do the languages influence each other during development?
- Can we account for bilingual phenomena without appealing to any special machinery?

We will argue that bimodal bilingual acquisition studies offer unique insights on these issues and on the architecture of the human capacity for language.



Cross-language influence

- i. If the construction is at the syntax-pragmatics interface
- ii. If structural (string) overlap between the two languages is observed
- iii. Prior to the instantiation of the C-system

(adapted from Hulk & Müller 2000)

Bimodal Bilingual data:

- ii'. Children produce structures in their spoken language without surface overlap
- iii'. Non-target structures continue past the evidence of the C-domain

Describe explanation Simodal bilingual children appear to be markedly different from numodal bilinguals as well as monolinguals. What we need is a theory that puts them in the same camp as mimodal language users and yet makes a reference to their being different. Motions difference: another simultaneously available articulatory channel no longer a theory of "transfer" but a theory of more than one language choice Code-switching













Subject	Lang's	Age Range	Sess'ns	# Utt's
Ben	ASL / E	2;01 - 2;03	2	715
Tom	ASL / E	2;00 - 4;00	4	592
Igor	Libras / BP	2;01 - 2;10	4	1035
	pants have at leas ind spoken langu	1	nt and relatively	equal exposure







Exam	pies	
• O-V order		
(1) BP:	em casa a vovó taí	(Igor 2;10; unimodal)
Target BP:	A vovó está em casa? Is grandmother at the house?	
(2) Eng: ASL:	Chocolate eat HOT CHOCOLATE IX EAT	(Ben 2;01; bimodal)
 Doubling 		
(3)	sleeping mouse sleeping	(Ben 2;01; unimodal)
• SPC		
(4)	stuck it	(Ben 2;03; unimodal)
• WH		
(5)	bug go where	(Tom 2;04; unimodal)



Recall:

- ii'. Only for structures that are "surface"- compatible with both languages; i.e. structures must be "surface"- compatible with English and BP, respectively.
 - ☞ Not the case !



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on: ASL/Eng	bilingual cl		ld pattern wit
monoling	uals and un	imodal biling	guals
Lang's	Age Range	Sess'ns	# Utt's
ASL / AE	1;11 – 4;05	14	2222
ASL / AE	3;03– 4;03	4	1933
	monoling Lang's ASL / AE	monolinguals and un Lang's Age Range ASL / AE 1;11 – 4;05 ASL / AE 3;03–	Range Range ASL / AE 1;11 – 4;05 14 ASL / AE 3;03 – 4

Subject	Number of utterances	Number of uttrs. with verbs	Number of null subjects
ТОМ	2222	1102	131
LEX	1933	1058	123
• Stag	rice, Sorace &Paoli ge II (MLU≥2.0; age ge III (MLU≥3.0; ag	≥24ms.)	













Study 3: Violations • Monolingual and unimodal bilingual children do not produce errors of commission in verbal morphology. They either omit inflection entirely or supply it correctly.				
Name	Lang's	Age Range	Sess'ns	#Verbs
Ben	Engl	2;01 – 2;06	2	582
Tom	Engl	2;06 - 3;05	4	740
Igor	Libras / BP	2;03 – 3;01	6	1252













Summary

- We have demonstrated that the standard account of crosslinguistic influence between the languages of a bilingual (Hulk & Muller 2000, i.a.) does not account for the data that arise during the examination of linguistic patterns of bimodal bilinguals
- To date, BiBi's are alone in the camp of defying the standard account.
- We argue that the basic difference lies in the availability of an extra articulatory channel, which allows for a) sign lg. structures in the spoken language, and b) blends that appear inconsistent with each of the grammars individually.

Open questions

- Will an account like this be able to correctly explain all the cases where cross-language influence is or is *not* seen in our bimodal data as well as in monomodal bilinguals?
- Along the lines of MacSwan, *i.a.*, we would expect any 'constraints' on cross-language influence to be like 'constraints' on code-switching—no more than the requirements on the two languages themselves.
- Testing of these questions is in progress

