What's in a Grammar? Mainstream speakers' processing of English negative concord

Background

Negative Concord

Negative Concord: Two or more overtly negative items contribute to a single semantic negation.

Heavily stigmatized in Mainstream American English (MAE) contexts, prescriptively interpreted as affirmative.

The news anchor didn't warn nobody about the floods. (1) = no one was warned.

Negative Polarity

Negative Polarity: NPIs like *anybody* and *anything* are dependent on context (e.g., negation, conditionals, etc.).

- (2) The news anchor did**n't** warn <u>anybody</u> about the floods. = no one was warned.
- If the news anchor warns <u>anybody</u> about the floods... (3)

Equivalent in Negative Contexts

In negative contexts, NPI and NC mean the same thing, and speakers of many English varieties use them variably (Childs, 2017; ex. from Tortora et al. 2017).

I did**n't** have **no** lice and I did**n't** have <u>any</u> itch. (4)

(AAPCAppE, SKCTC-EA-1,.63)

"I had no lice and I had no itch."

MAE uses only NPI. This has been interpreted to mean that NC is ungrammatical in MAE (e.g., Zeijlstra 2004).

Two Kinds of NPIs

In non-negative contexts, negative NPs and NPIs give opposite truth conditions: compare (3) and (5).

If the news anchor warns **nobody** about the floods... (5) Postal (2005) proposes two NPI structures

a. [_{DP} [_D NEG SOME] X] (6)

negative structure b. [_{DP} [_D NEG [_D NEG SOME]] X] *non-negative structure* Blanchette (2015) extends this to English NC, arguing that

NC and NPI under negation have the same structure.

RQ: Are NC and NPIs under negation processed similarly in comprehension?

Acknowledgments

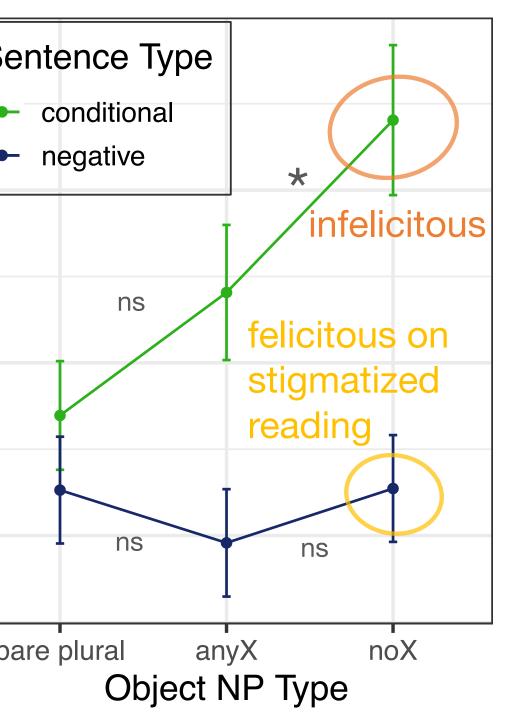
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	Particip	ants				Pro	cedure
N = 53; 41 women, 12 men, ages 18-66 (r Education: 13 high school, 24 college, 16 postgrad Childhood Region: 34 PA, 14 other East Coast, 2 Midwest, 2 15 rural, 35 suburban, 3 urban NC use rating: <i>self</i> - 52 never or almost <i>family</i> - 47 never or almost				rthwest	 8) 45-minute eye-tracking while reading task and questionnaire. 4 practice trials with feedback, 160 2-clause sentences 		
		Ma	ter	ials			
48 critical sentences of 6 types, 6 Latin S First Clause			•	Lare lists, 112 fillers of similar complexity. Second Clause <i>Key Interest Area</i>			
negative	The news anchor didn't	warn { people anybody nobody]	} at	oout the flood	ls,	so folks are	gonna think it's safe t stay in their homes.
conditional	If the news anchor	warns { people anybody nobody	} a	bout the flood	ds,	then folks are	gonna know it's risky stay in their homes.
	ects models, fixed effects contrasts,	effects of NP	typ			(bare-any, a	ny-no)
	First Clause			Second Clause			
(interaction Slower fo	Sentence Type - conditional - negative	p < .001) n NPIs		(main effect Condition	ot c nal ct c	negative NPs of any-no, p = slower than of condition, p • conditional • negative	.01) negative < .001)
bare plural anyX noX Object NP Type					L	-	anyX noX t NP Type

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Cynthia Lukyanenko Frances Blanchette Penn State



Speakers of Mainstream American English process Negative Concord and Negative Polarity similarly in comprehension, suggesting underlying similarity.

Conclusions

Further evidence that MAE speakers readily, accurately interpret object NC (cf. Blanchette & Lukyanenko 2019) Similar second clause results for NC, NPI under negation give new evidence for Blanchette's (2015) analysis.

MAE speakers don't treat neg-NPs as equivalent to NPIs in all contexts: They're not using a short-cut.

Q: Could participants have analyzed two-neg sentences as affirmative, then reanalyzed during slowdown or later?

A: Unlikely. No second clause slowdown for NC, which would have been evidence of reanalysis or lingering effects of an earlier parse (cf. Christianson et al. 2001).

Corpus work using COCA, CORAAL, AAPCAppE • Explore variation: In American English varieties that use both, do neg-NPs and NPIs appear in the same constructions? What influence speakers' choices? Eye-tracking

• Compare processing in all three groups: MAE, African American (AAL) and Appalachian speakers.

References

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Reanalysis?

Future Directions