

Time Will Tell:

Dynamics of Grammaticalization & Lexicalization of TIME-PASS in Israeli Sign Language

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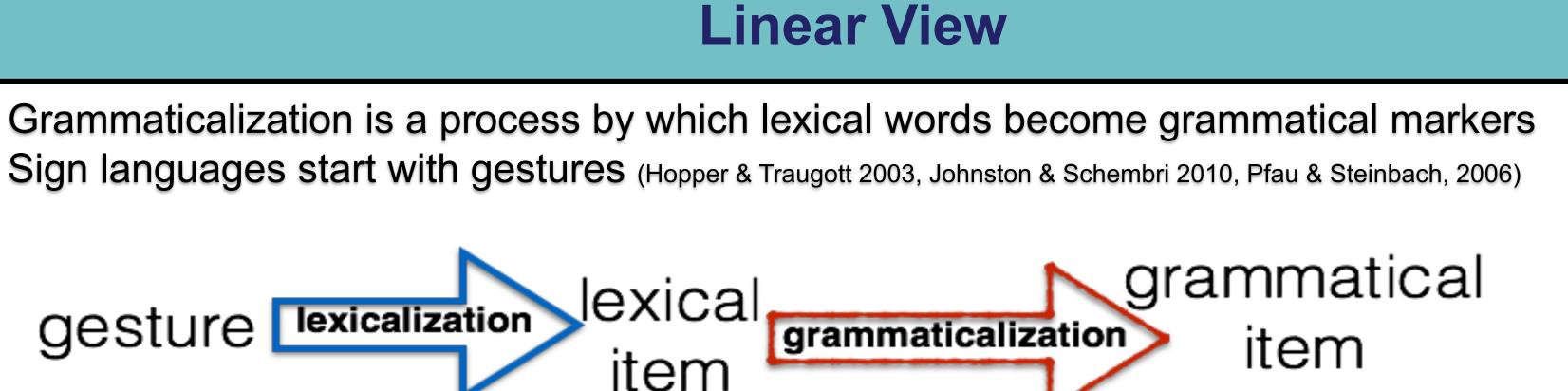
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Unsystematic

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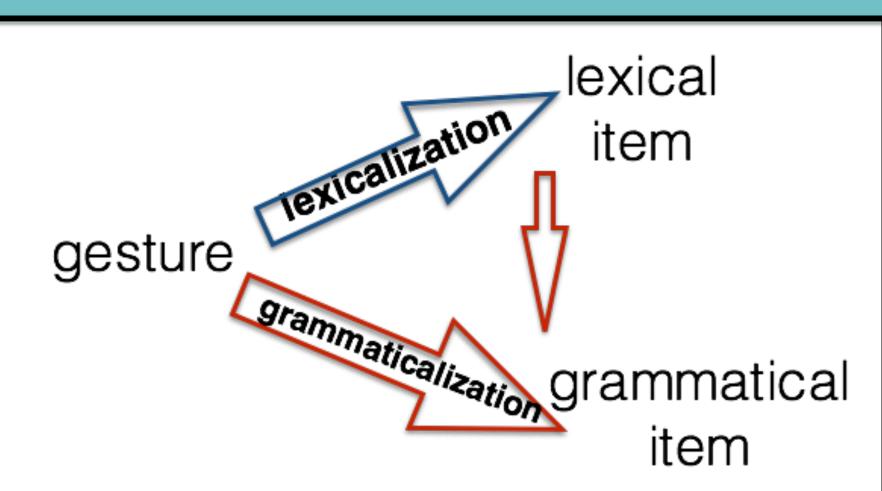
- Iconic
 - Stable meaning and form
- Semantic & phonetic erosion
- Grammatical function

PREDICTIONS

Grammaticalization follows lexicalization

Dynamic View

- Both the lexicon and grammatical organization originate with holistic events
- Events are broken down into systematic lexical and grammatical elements (Croft 2010, Chafe 1997)
- Event structure reflected in prosody: Intonational Phrase is the key



PREDICTIONS

The process is dynamic. Lexicalization and grammaticalization are interdependent

Methodology

- Israeli Sign Language (ISL) is young, ~ 90 years old (Meir & Sandler, 2008)
- 27 spontaneous narratives of deaf ISL signers 196 tokens of TIME-PASS identified,
- (133 from older, 63 from younger signers)
- Three functions of TIME-PASS are coded and distinguished by manual, non-manual behaviour and context (Table 1)

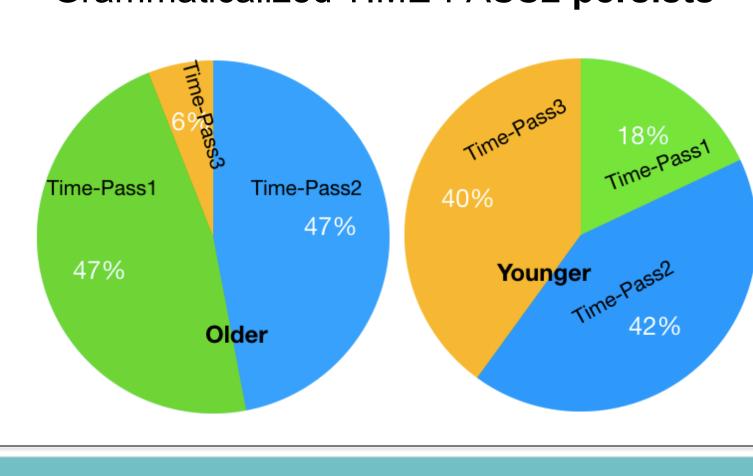
Participants

17 aged 55+ (Older group) 10 aged 18-54 (Younger group)

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Table 1. Coding & Results: Three functions of TIME-PAS	Timing	Position in IP determined by timing
	Manual	Reduplication
		Handshape
	Non- manual	Head movements
		Facial expressions
	Context	Time expressions
		Discourse markers
		Specific lexical/ grammatical environment

Results

- **Generational change:**
- Gestural episode divider TIME-PASS1 decreases in use
- Lexicalized TIME-PASS3 increases in use
- Grammaticalized TIME-PASS2 persists



Discussion and Examples from the Data

TIME-PASS1

Stand-alone IP

lax 5

head down

mouth open

No

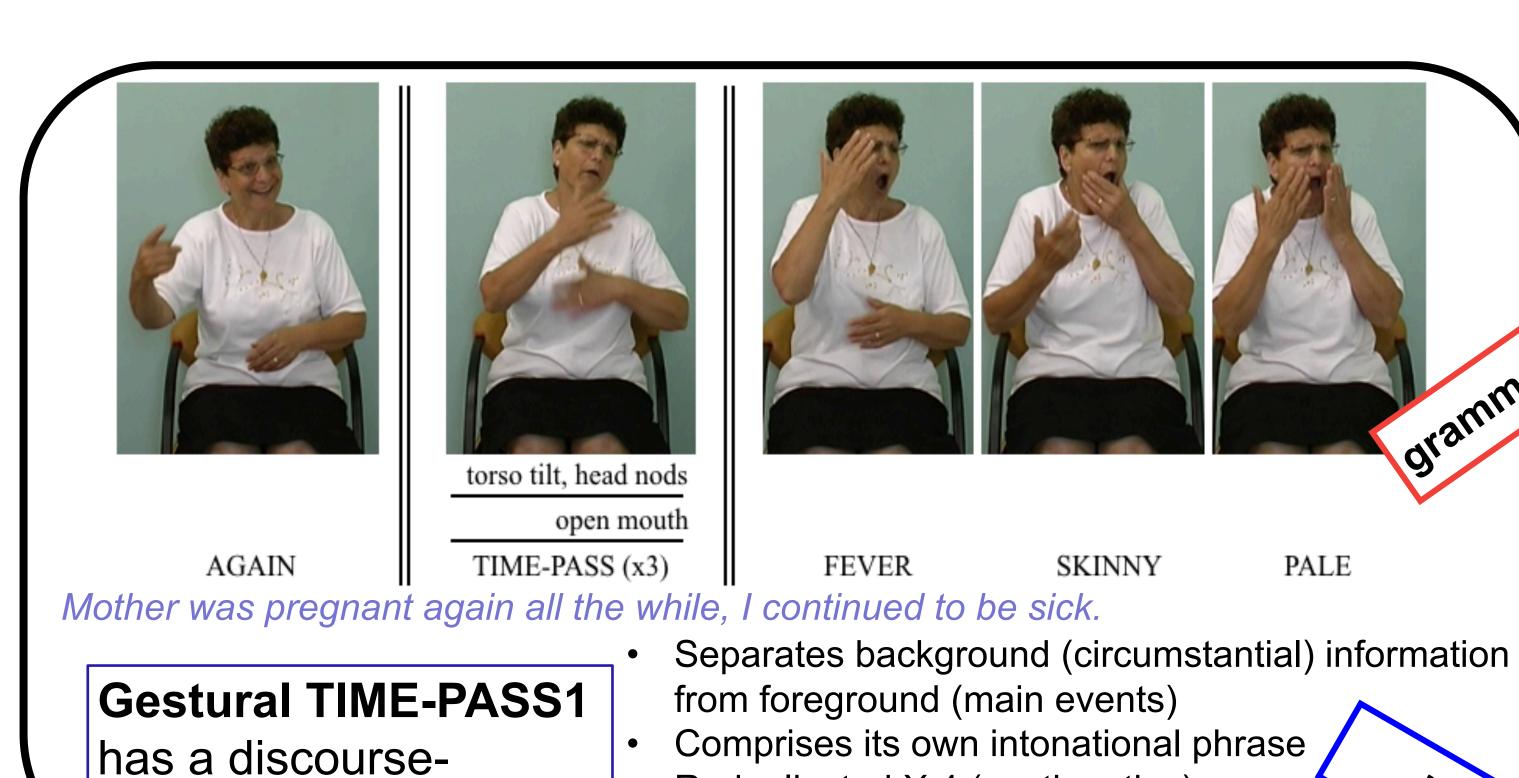
Yes

No

- Grammatical item persists across generations
- exicalization becomes more robust over time

pragmatic function

Over time, gestural discourse-oriented TIME-PASS1 drops in frequency



- lexicalization Specific lexical items emerge after holistic message is broken and reorganized into compositional ARGUMENT-PREDICATE structure
- Prosody plays important organizing and packaging role in this process

Reduplicated X 4 (continuative)

Head thrusts + mouth open



IME-PASS2

IP-initial

lax 5

head up

brow raise

Yes

No

Predicates witl

end points



-PASS

IME I

syntax-

determined

dependent on prosodic phrase structure

crisp bent 5

dependent on

prosodic phrase

structure

mouthing

No

No

Contrastive; with

predicates/ arguments

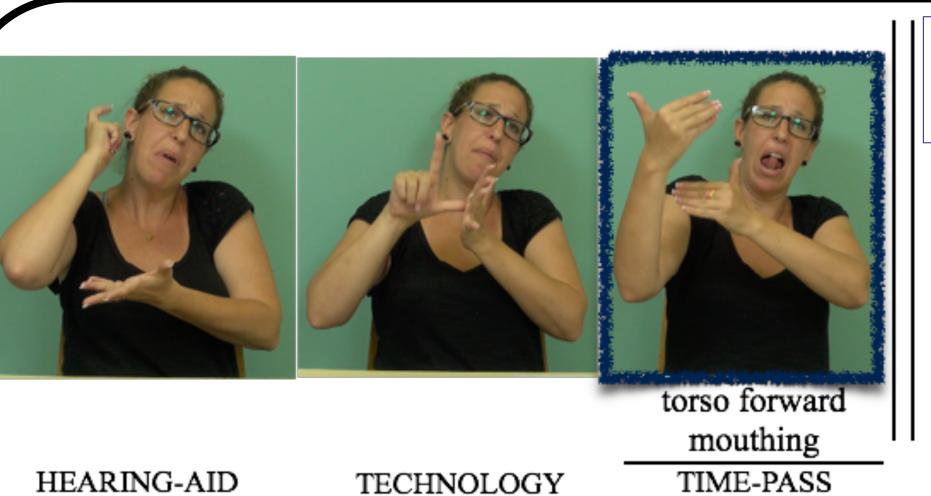




TIME-PASS DAY-CARE TIME-PASS **FOUR** Later I put her into day care. Then when she was 4, I quit my job.

Grammaticalized TIME-PASS2 connects two individual events

- Introduces new intonational phrase and new proposition.
- Head up, beginning of intonational phrase (Dachkovsky et al., 2013)
- Followed by time expression (AGE-FOUR), and resultative predicates (change of state)
- Phonetically reduced



Hearing aid technology is making progress

progress, advance' (N, V)

- Specific (abstract) meaning
- Placement according to syntax
- Functions as the predicate of 'hearing aid technology'

Lexicalized TIME-PASS3

- Mouthing of Hebrew word [mitkadem] (advances)
- Lengthened as IP final (Nespor & Sandler, 1999)

Conclusions

- The process of language emergence is not linear, but dynamic (Meir & Sandler in press)
- In a new language, lexicalization and grammaticalization are interdependent two facets of the same process
- Lexical and grammatical items are "carved out" of the event structure
- Prosody plays important organizing role in this process

References

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