

1. INTRODUCTION

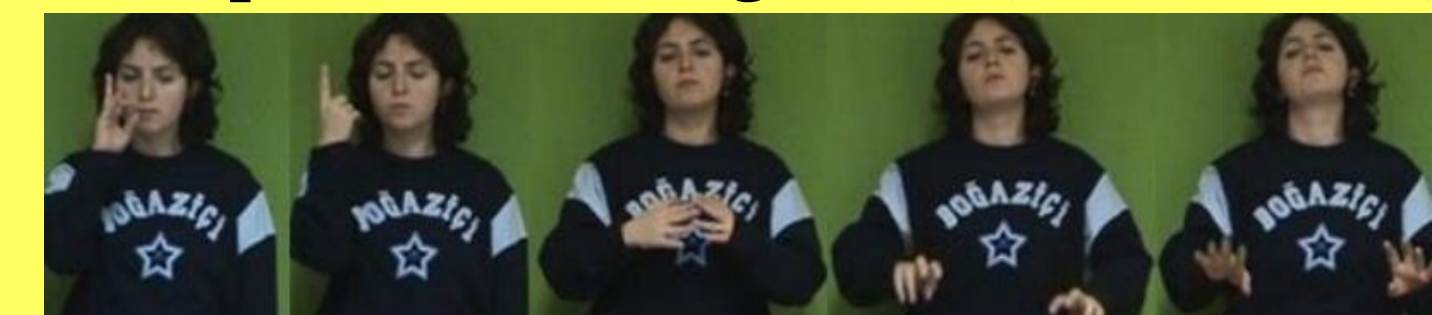
RELEVANT ASPECTS OF TİD SYNTAX

•TİS is SOV (Sevinç 2006)



IX-1 S CUPBOARD KEY LOOK-FOR V

• Negation is expressed by a manual negative marker attached to the predicate: (Gokgoz 2009, Kubus 2008, Zeshan 2003)

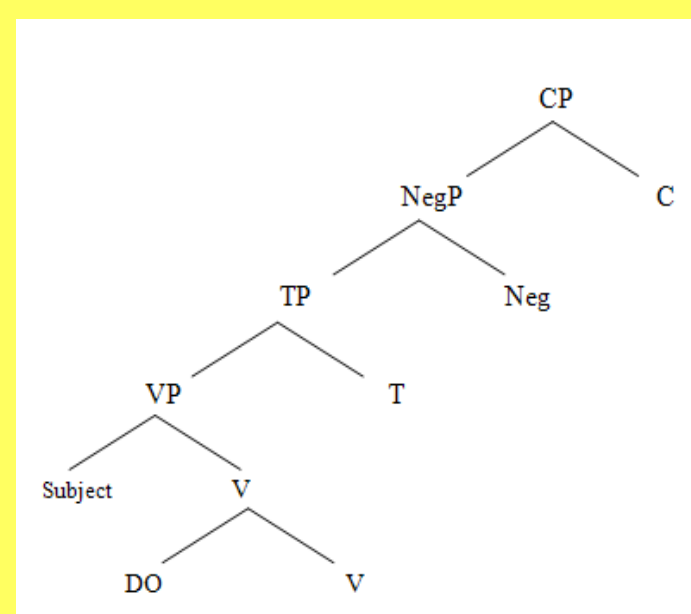


AUNT S YESTERDAY HOUSE XP SIT V NEG Neg

• T(ense) Head is below the Neg Head in TİD. How do we know? Modal verbs help us to decide as we see in other sign languages as well (Pfau and Quer 2004, 2007):

	Neg-Parameter	Head-Parameter	Language
a. You should not move the subject.	TP > NegP	SVO	English
b. GARTEN INDEX KIND= SPEL DAB=NEG Garden index child.P1 play may NEG 'The children may not play in the garden.' (Pfau and Quer, 2004)	NEGP > TP	SOV	DGS
b. ÜLTİM İNDEKİ DORMİR PODE=NO Lastly index sleep can NEG 'Lastly I can't sleep.' (Pfau and Quer, 2004)	NEGP > TP	SOV	LSC
d. YARIN OKUL GİT LADZ=NEG Tomorrow school go need.NEG 'You don't have to go to school tomorrow.'	NEGP > TP	SOV	TİD

• Below is the proposed partial clause structure of TİD:



S XP V C

QUESTION 1:WHAT HAPPENS WHEN WE HAVE NEGATIVE POLAR QUESTIONS IN TİD?

2. NEGATIVE POLAR QUESTIONS IN TİD

•TİD has negative polar questions

(Data source: Bogazici University TİD course materials and Purdue University TİD data):



TROUSERS HANG NEG

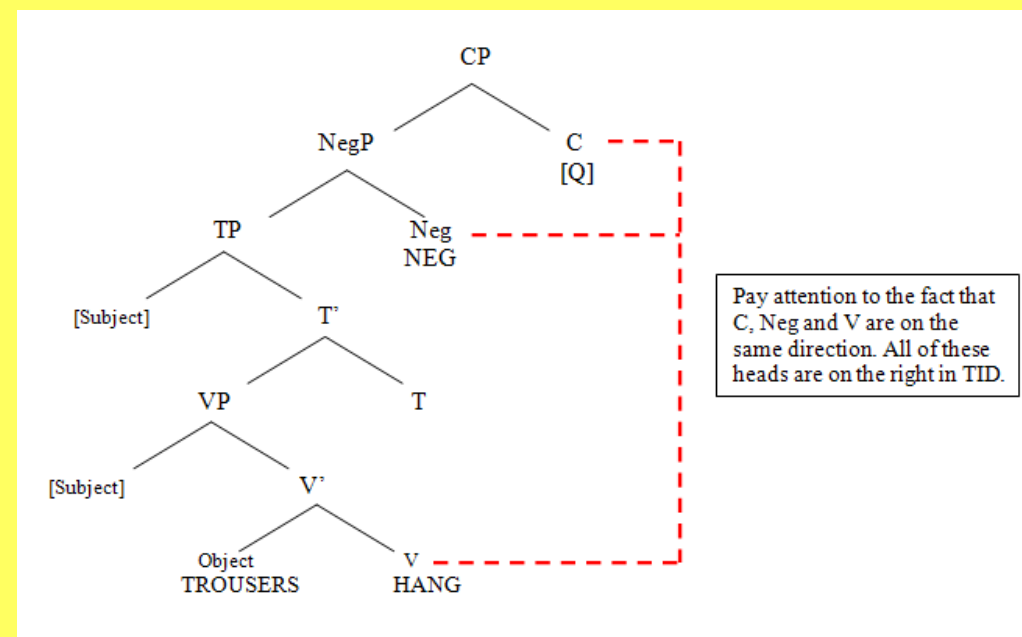
cd ht
br
TROUSERS HANG NEG
“Did't you hang the trousers?”



B M W NEG

cd ht
BMW NEG
“Isn't it a BMW?”

PROPOSED PHRASE STRUCTURE FOR NEGATIVE QUESTIONS IN TİD



•So far, we have observed that Negative Polar Questions exist in TİD.

•We have also observed that the direction of the V, Neg and C are the same in TİD.

•They are all on the right. This syntactic distribution will be relevant for further discussions.

QUESTION 2:WHAT MIGHT HAPPEN IN OTHER SIGN LANGUAGES?

QUESTION 3:DOES THE DIRECTION OF THE V, NEG AND C HEADS HAVE AN EFFECT ON POLAR QUESTIONS IN OTHER SIGN LANGUAGES?

3. WHAT TO EXPECT IN OTHER SIGN LANGUAGES: TYPOLOGICAL DISCUSSIONS

• To address these questions I propose the *Syntactic Proximity Hypothesis*:

The position of the C, Neg and V heads with respect to each other determines other typological characteristics.

• In particular
(1) The unmarked is for languages to have these three heads on the same side (left or right); languages with mixed heads are marked.
(2) Unmarked languages will have negative polar questions and marked languages may or may not.

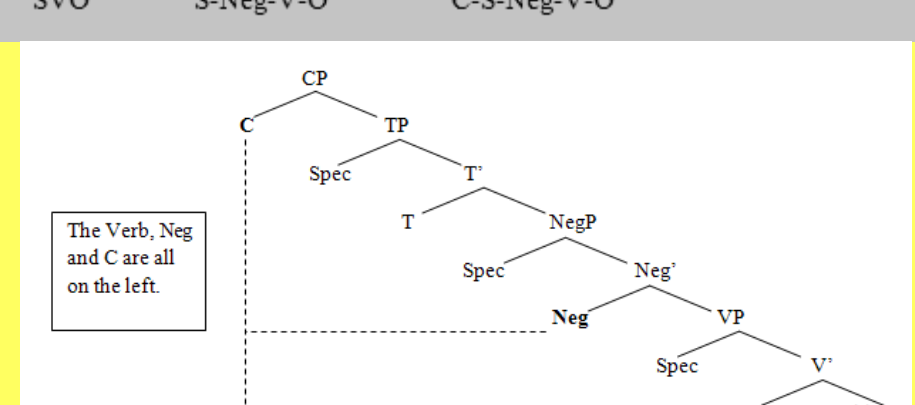
• These hypotheses are testable. Below are the factors and the levels that should be included in a typological factorial design to see the effects of the distribution of the V, Neg and C heads for the status of negative polar questions in a sign language:

Factorial Design for Negative Polar Questions		
Factor A: The position of the V head	Level 1: SVO	
	Level 2: SOV	
Factor B: The position of the Neg head	Level 1: Before the VO (or OV)	
	Level 2: After the VO (or OV)	
Factor C: The position of the C head	Level 1: On the left	
	Level 2: On the right	

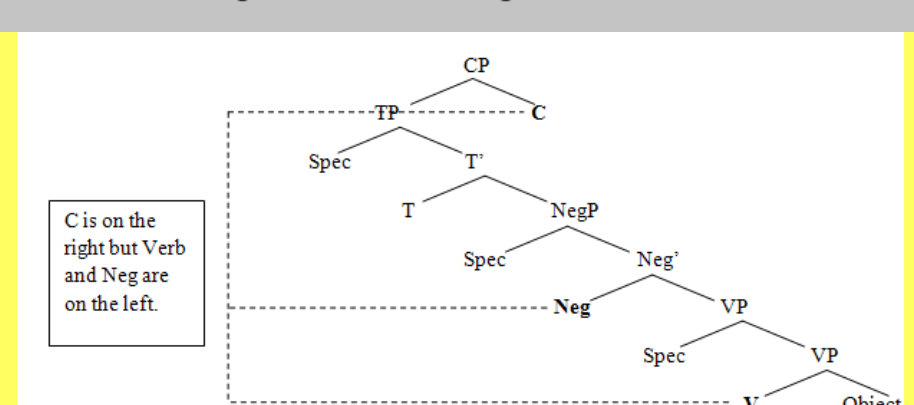
All of the 8 possible cells when the levels are crossed (2x2x2):							
Factor A: Level1 SVO	x	Factor B: Level1 S-Neg-V-O	x	Factor C: Level1 C-S-Neg-V-O	(A1B1C1)	Lang 1	
Factor A: Level1 SVO	x	Factor B: Level1 S-Neg-V-O	x	Factor C: Level2 S-Neg-V-O-C	(A1B1C2)	Lang 2	
Factor A: Level1 SVO	x	Factor B: Level2 S-V-O-Neg	x	Factor C: Level1 C-S-V-O-Neg	(A1B2C1)	Lang 3	
Factor A: Level1 SVO	x	Factor B: Level2 S-V-O-Neg	x	Factor C: Level2 S-V-O-Neg-C	(A1B2C2)	Lang 4	
Factor A: Level2 SOV	x	Factor B: Level1 S-Neg-O-V	x	Factor C: Level1 C-S-Neg-O-V	(A2B1C1)	Lang 5	
Factor A: Level2 SOV	x	Factor B: Level2 S-O-V-Neg	x	Factor C: Level1 C-S-O-V-Neg	(A2B2C1)	Lang 6	
Factor A: Level2 SOV	x	Factor B: Level1 S-Neg-O-V	x	Factor C: Level2 S-Neg-O-V-C	(A2B1C2)	Lang 7	
Factor A: Level2 SOV	x	Factor B: Level2 S-O-V-Neg	x	Factor C: Level2 S-O-V-Neg-C	(A2B2C2)	Lang 8	

4. FACTORIAL TYPOLOGY PUT INTO TREES

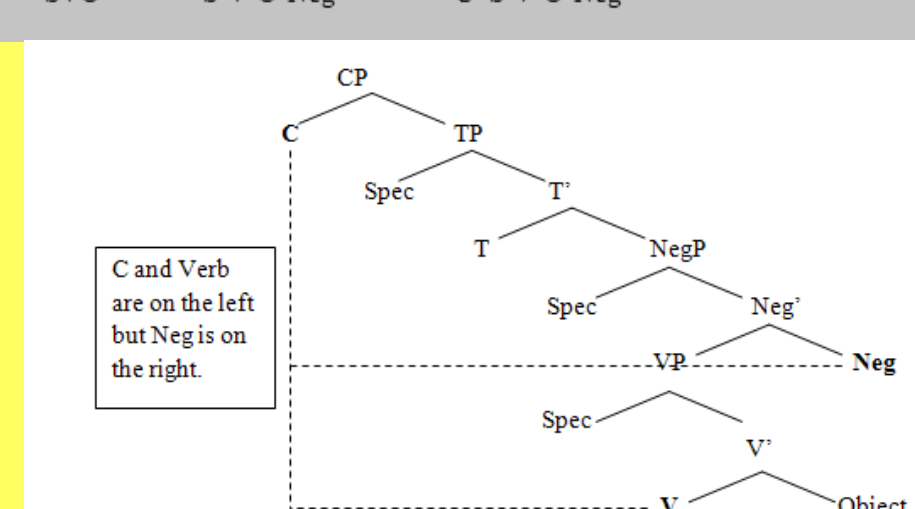
Factor A: Level1 SVO x Factor B: Level1 S-Neg-V-O x Factor C: Level1 C-S-Neg-V-O (A1B1C1) Lang 1



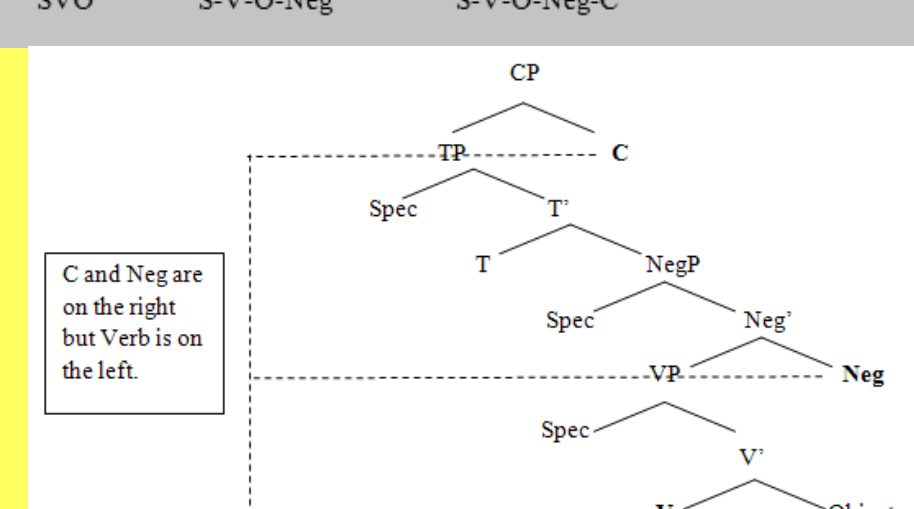
Factor A: Level1 SVO x Factor B: Level1 S-Neg-V-O x Factor C: Level2 S-Neg-V-O-C (A1B1C2) Lang 2



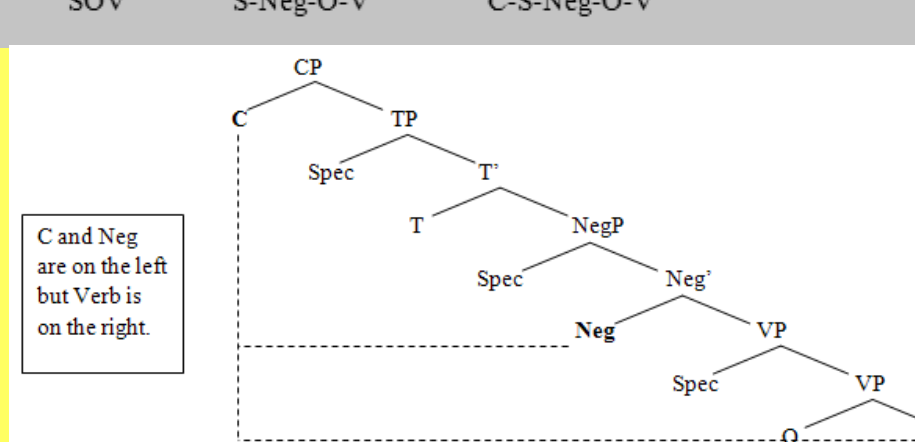
Factor A: Level1 SVO x Factor B: Level2 S-V-O-Neg x Factor C: Level1 C-S-V-O-Neg (A1B2C1) Lang 3



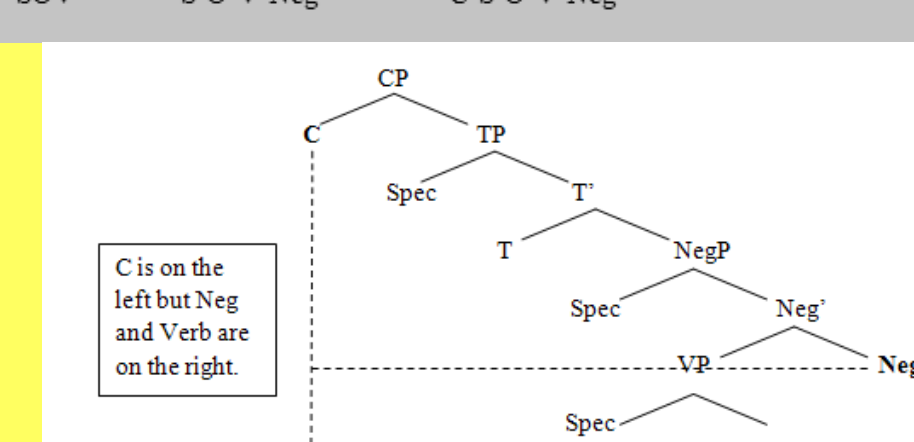
Factor A: Level1 SVO x Factor B: Level2 S-V-O-Neg x Factor C: Level2 S-V-O-Neg-C (A1B2C2) Lang 4



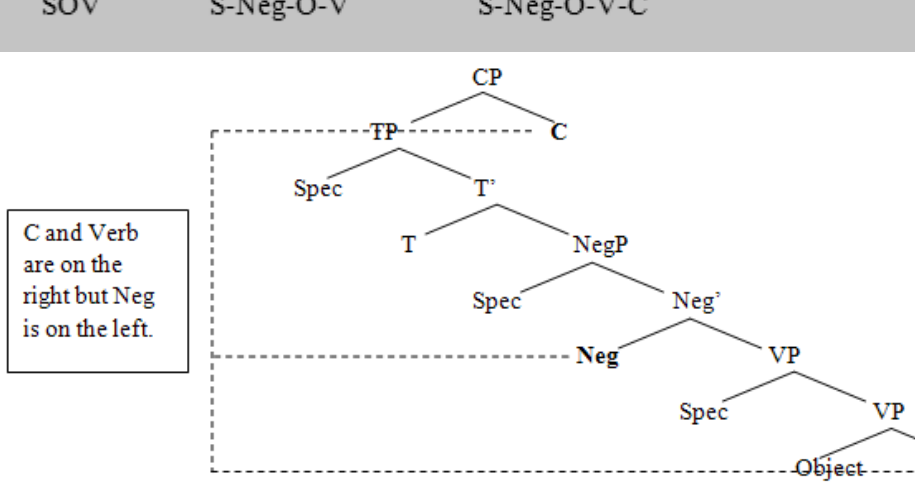
Factor A: Level2 SOV x Factor B: Level1 S-Neg-O-V x Factor C: Level1 C-S-Neg-O-V (A2B1C1) Lang 5



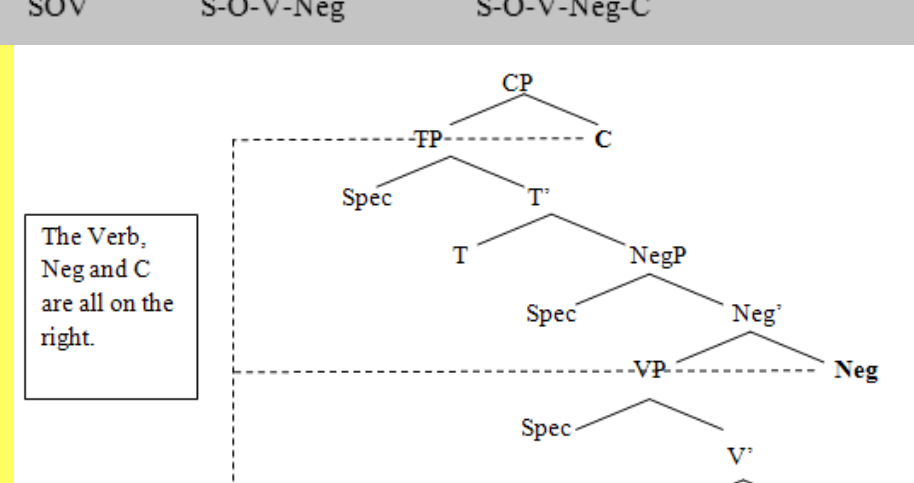
Factor A: Level2 SOV x Factor B: Level2 S-O-V-Neg x Factor C: Level1 C-S-O-V-Neg (A2B2C1) Lang 6



Factor A: Level2 SOV x Factor B: Level1 S-Neg-O-V x Factor C: Level2 S-Neg-O-V-C (A2B1C2) Lang 7



Factor A: Level2 SOV x Factor B: Level2 S-O-V-Neg x Factor C: Level2 S-O-V-Neg-C (A2B2C2) Lang 8



Note: Don't consider the position of the T head. It is intentionally kept constantly on the left.

QUESTION 4: HOW CAN WE CHECK THE RELEVANCE AND/OR EXISTENCE OF THESE STRUCTURAL COMBINATIONS CROSSLINGUISTICALLY?

5. HOW TO OBTAIN THE RELEVANT DATA: PROPOSED METHODOLOGIES

LINGUISTIC QUESTIONNAIRE

• Following Zeshan's typological work for Negation and Questions, I prepared a linguistic questionnaire.
• The questionnaire has three parts:

- Descriptive part, i.e. choosing from a list of parameters and/or features
- Syntactic part, i.e. directly asking for the syntactic structure of a sign language (optional)
- Comments, further information part. This is open-ended and any relevant information/description can be added here.

• Sample questions from the questionnaire:

2. How do you usually sign a negative sentence without using special markers?
☐ I NOT COOK FISH (Subject – Negative – Verb – Object)
☐ FISH COOK NOT (Subject – Object – Verb – Negation)
 Other: Please describe here: _____

3. Do you use non-manual markers for negation in your sign language? If yes, please choose one or more of the following:
☐ We use side-to-side head shake for negation. ☐ We use eye-brow-raising for negation.
☐ We use backward head tilt for negation. ☐ We use eye-brow-lowering for negation.
☐ We use mouth gestures/mouthing for negation.
 Please specify the mouth gesture used if any: _____
☐ Other: Please describe here: _____

ELICITATION TASKS

Show me how task:

• This task is planned to be based on the questions in the questionnaire. The specifics of the questions in the questionnaire will be asked and recorded.

Semi-structured picture based elicitation task:

• This task targets step by step structural data elicitation, i.e. start with a positive transitive sentence; next sign a negative sentence; next sign a polar question; next sign a negative polar question; all based on the picture and the verb given. A sample slide of this proposed task is given below.

Picture 1

Please use the verb "cook/bake"

- Please sign a positive sentence based on the picture and the verb
- Please turn the first sentence into a negative sentence
- Please ask a yes/no question based on the first sentence
- Please ask a negative yes/no question based on the first sentence
- Please ask two questions about the picture using "WHAT"
- Please ask a question about the picture using "WHO"
- Please ask a question about the picture using "WHERE"
- Please ask a question about the picture using "HOW MANY"
- Please ask a question about the picture using "WHY"
- Please ask a question about the picture using "HOW"
- Please ask a question about the picture using "WHICH"
- Please ask a question any other "wh" word that is appropriate
- Now, please describe the whole picture

6. CONCLUSION & FURTHER RESEARCH & COLLABORATION

- Negative polar questions exist in TİD which tells us that the C domain and the lower functional domain where Neg is located do interact.
- The nature of this interaction is discussed from a syntactic proximity proposal where proximity is defined through the relevant match or mismatch between the directions of the heads involved in forming negative polar questions.
- As I need to have crosslinguistic data and discussion for the results of this study to be crosslinguistically valid and valuable, you can help/colaborate with me by filling out the questionnaire which is available here and on the registration table.

ACKNOWLEDGEMENTS

- Many thanks to my advisor Ronnie Wilbur for her help and discussions.
- Thanks in advance to everyone who would like to fill out the questionnaire and to everyone who would like to take part in a data recording session.

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