

The facts

- German LD subject questions are less acceptable than LD object questions, likely caused by a **COMP-trace violation**.

[Welch-er Schriftsteller]_i denkst du, dass t_i den Verleger geschätzt hat?
Which-NOM author think you that the.ACC publisher appreciated has
'Which author do you think (*that) respected the publisher?'

[Welch-en Schriftsteller]_i denkst du, dass der Verleger t_i geschätzt hat?
Which-ACC author think you that the.NOM publisher appreciated has
'Which author do you think (that) the publisher respected?'

- Difference in acceptability reduces when the wh-phrase or embedded DP is case-ambiguous (Kiziak 2010).
- German differs from English, where COMP-trace violations are categorically rejected.
- What causes this difference between German and English? What role do local case-ambiguities play?**

Hypotheses

- German doesn't have COMP-trace violations, subject/object asymmetry is purely parsing-related, due to a matrix clause agreement clash (Haider 2007).
- German does have COMP-trace violations, but these violations are harder to detect (Featherston 2005, Kiziak 2010).
 - German word order doesn't differentiate between subject and object readings, case marking is crucial.
 - Case marking is often ambiguous, leading to local ambiguities.
 - Local ambiguities may lead to global ambiguities under the assumption of 'good enough processing' (Ferreira & Patson 2007).

Research questions:

- Do parsing problems occur in the main clause (Hypothesis A) or in the embedded clause (Hypothesis B)?
- Do readers misinterpret LD subject as LD object questions and vice versa (Hypothesis B)?
- Do local case ambiguities cause misinterpretations (Hypothesis B)?

Method

- Self-paced reading followed by comprehension task
- Factors:
 - Ambiguity:** No Ambiguity (NoAmb), MatrixAmbiguity (MatrAmb) and Embedded ambiguity (EmbAmb).
 - Argument:** Subject vs. object.



Design

- 8 items per condition, divided over 2 lists
- 48 filler items
- 30 native speakers of German (23 female, mean age 22 years)
- Segments presented non-cumulatively in the centre of the screen.

Segment	1	2	3	4	5	6	7	8
Stimulus	Which X	think	you	that	the Y	VERBed	has	?

- Each question was followed by two statements corresponding to a subject or an object reading from which participants had to choose.

Example of materials

Question (EmbAmb subject)

Welch-er Schriftsteller denkst du, dass die Verleger-in geschätzt hat?
Which-NOM author think you that the.? publisher-FEM appreciated has?
'Which author do you think respected the publisher?'

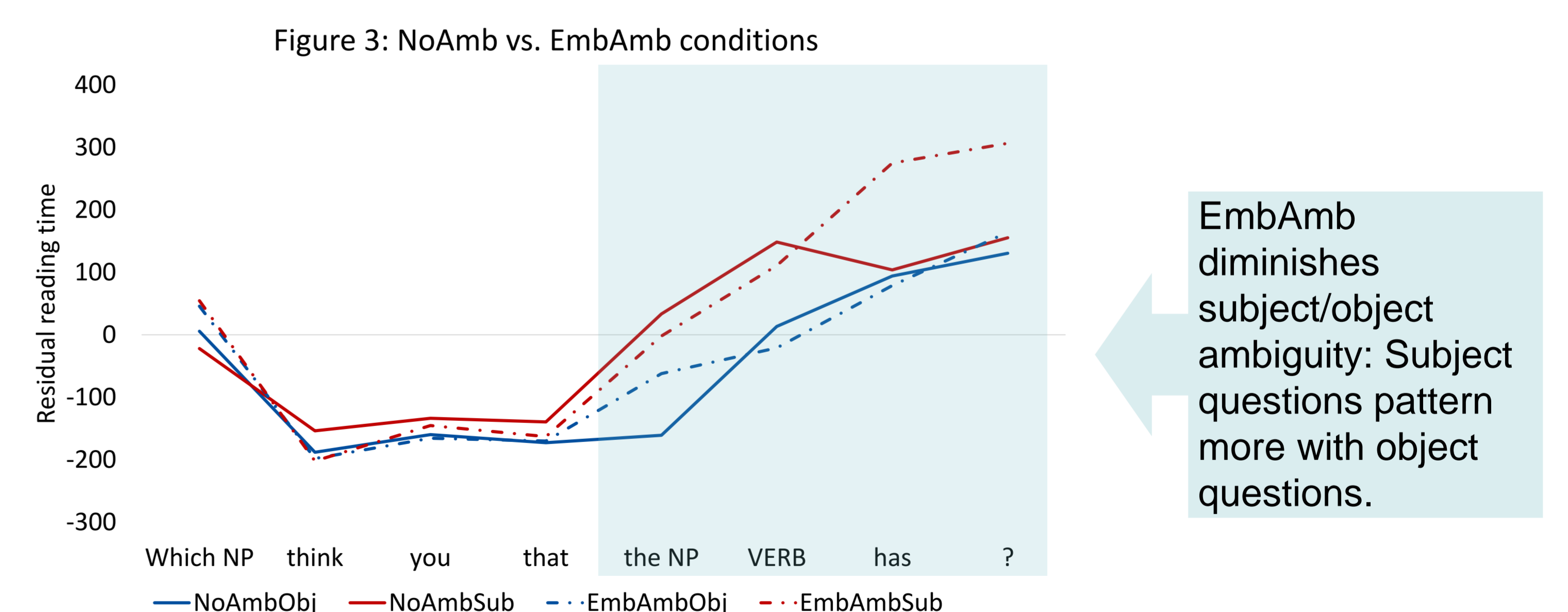
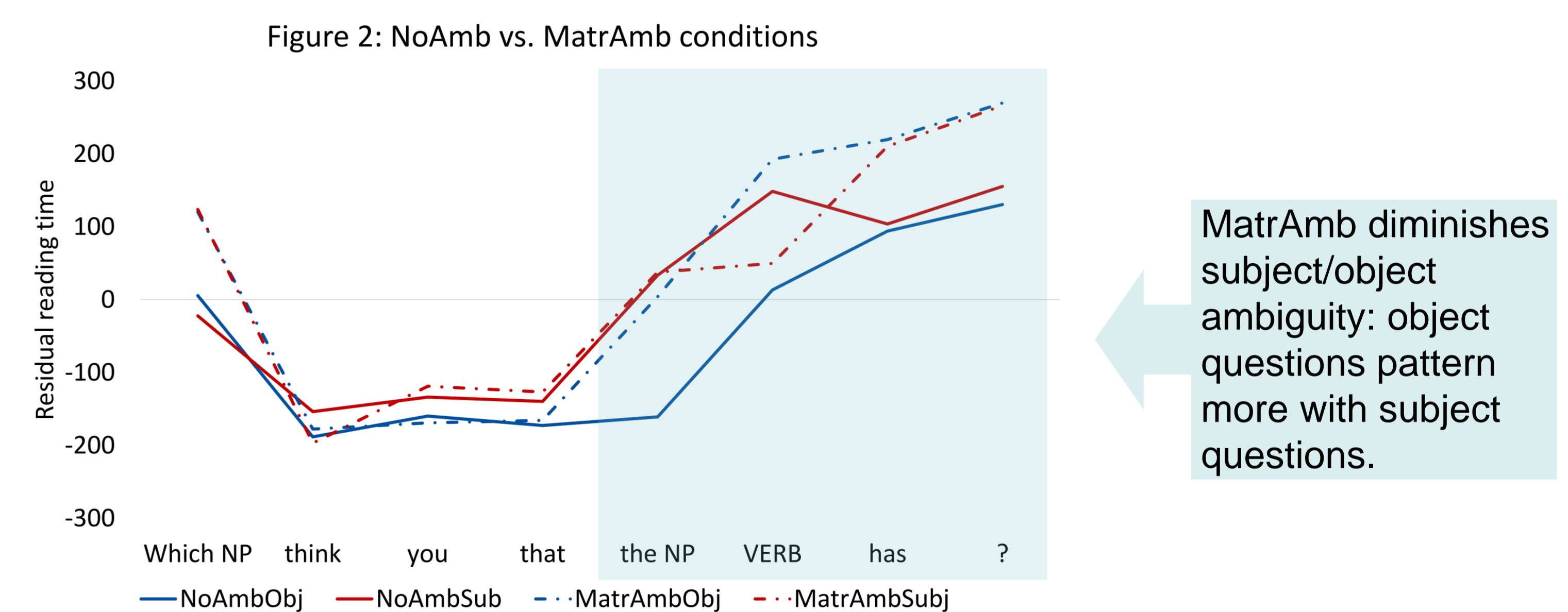
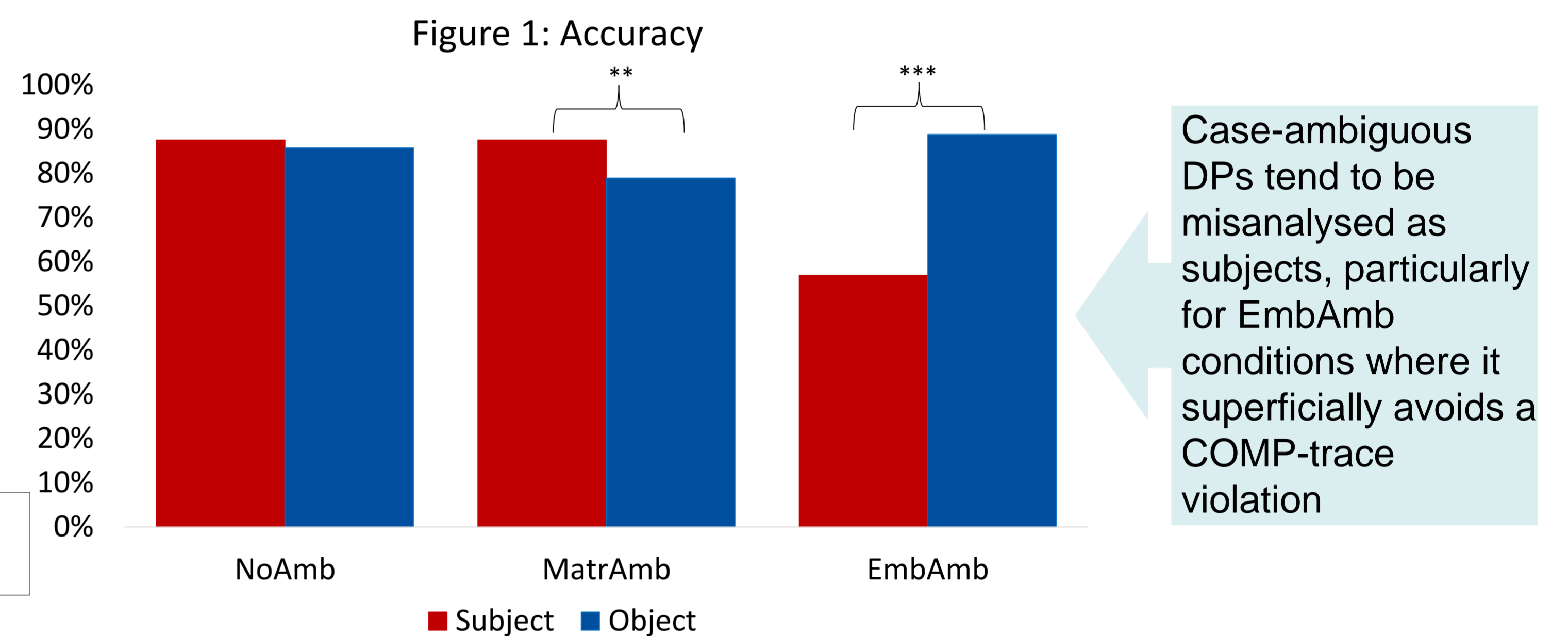
Comprehension statement

- Ich denke, dass der britische Schriftsteller die Verlegerin geschätzt hat **Correct**
'I think that the British author appreciated the publisher'
- Ich denke, dass die Verlegerin den britischen Schriftsteller geschätzt hat **Incorrect**
'I think that the publisher appreciated the British author'

Table 1: Examples of conditions

Condition	Example
NoAmb Sub/Obj	Welch-er/welch-en Schriftsteller denkst du, dass den/der Verleger geschätzt hat? Which-NOM/wich-ACC author think you that the.ACC/the.NOM publisher appreciated has 'Which author do you think appreciated the publisher/the publisher appreciated?'
MatrAmb Sub/Obj	Welche Schriftsteller-in denkst du, dass den/der Verleger geschätzt hat? Which.? author-FEM think you that the.ACC the.NOM publisher appreciated has 'Which author do you think appreciated the publisher/the publisher appreciated?'
EmbAmb Sub/Obj	Welch-er/welch-en Schriftsteller denkst du, dass die Verleger-in geschätzt hat? Which-NOM/wich-ACC author think you that the.? Publisher-FEM appreciated has 'Which author do you think appreciated the publisher/the publisher appreciated?'

Results



Conclusions

- Parsing problems located in the embedded clause, not in the main clause: **contra Hypothesis A and in favor of Hypothesis B.**
- Case-ambiguous DPs are frequently interpreted as subjects, leading to global misinterpretations, effectively **diminishing** the subject/object asymmetry and thus the strength of **the COMP-trace effect.**
- Good enough processing can partly explain why COMP-trace violations are less severe in German.

