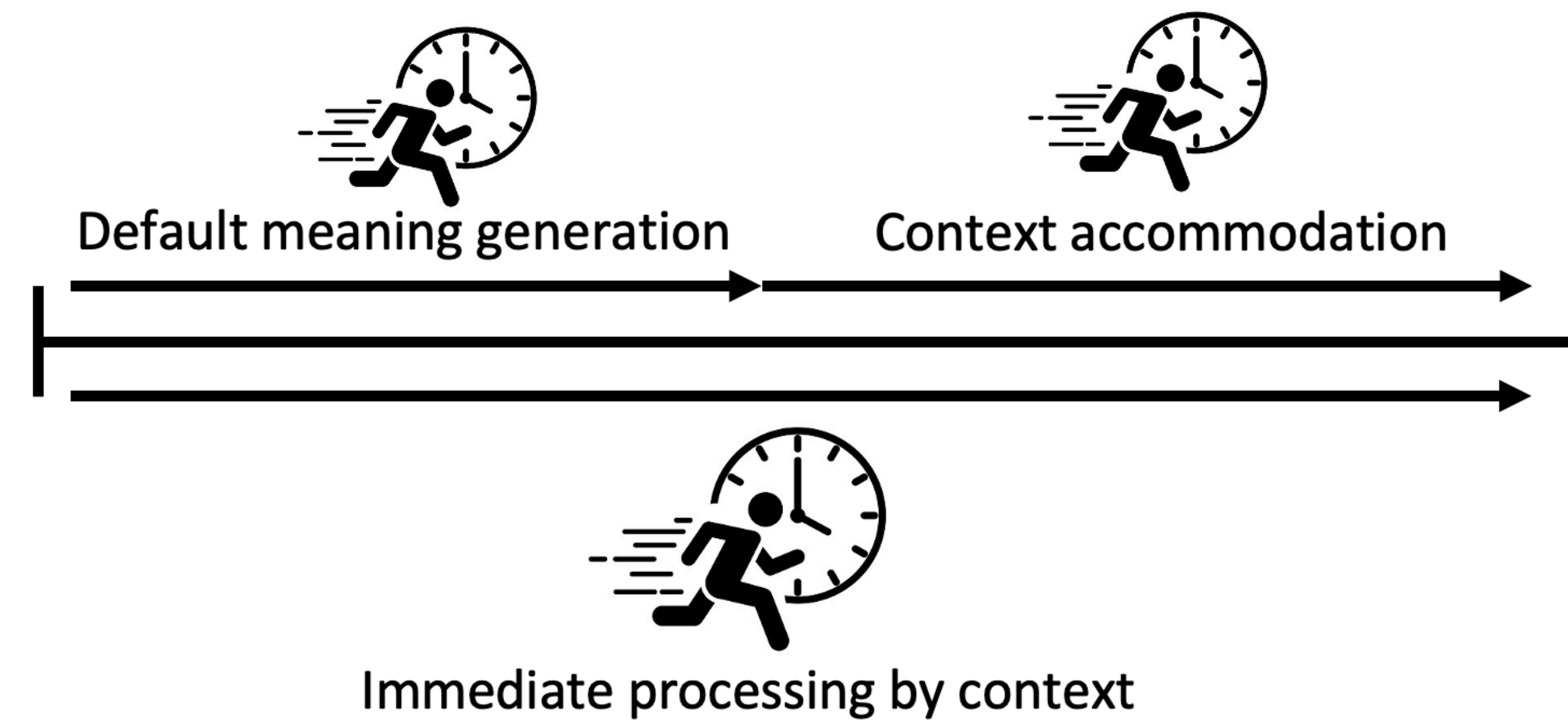


Processing presupposition “not again” in Korean

Kihyo Park* and Yunju Nam
Konkuk University. *khpark9305@gmail.com

Time course of presupposition processing: When?



Offline presupposition processing on 또(tto) (“again”) (Park and Nam, 2020)

Tab. 1 Possible presuppositions for the two types of negation in Korean (Park, 2001)

Presupposition \ Negation		
	Short-Form 안 (an)	Long-Form -지 않- (-ci anh-)
Affirmative	?	○
Negative	○	○

- Preference on negative presuppositions as default
- Tendency to allow affirmative presuppositions for the long-form negation
- Main effects of context type and negation
- Interaction effect between the context type and the negation

Research Question

How is the presupposition trigger 또(tto) processed online when it is embedded or unembedded in the negation scope?

Tab. 2 Conditions with the region of interest (underlined>

Context			Positive	Two days ago, Yoonseo went to play Ping-pong with her friends. She felt well and played it a lot.
			Negative	Two days ago, Yoonseo wanted to play Ping-pong with her friends. But she did not feel well and gave up playing it.
Target	Short	Unembedded	어제 윤서는 또 [탁구를 안 쳤다]	Yesterday Yoonseo <u>again</u> [Ping-Pong not played]
	Short	Embedded	어제 윤서는 [탁구를 또 안 쳤다]	Yesterday Yoonseo [Ping-Pong again not played]
	Long	Unembedded	어제 윤서는 또 [탁구를 치지 않았다]	Yesterday Yoonseo <u>again</u> [Ping-Pong play not-did]
	Long	Embedded	어제 윤서는 [탁구를 또 치지 않았다]	Yesterday Yoonseo [Ping-Pong again play not-did]

Methods

- Eye-movements during reading
- 34 native Korean speakers
- 48 items and 60 fillers
- Linear mixed effects model

Fig. 1 Total reading time (Error bars: 95% CIs)

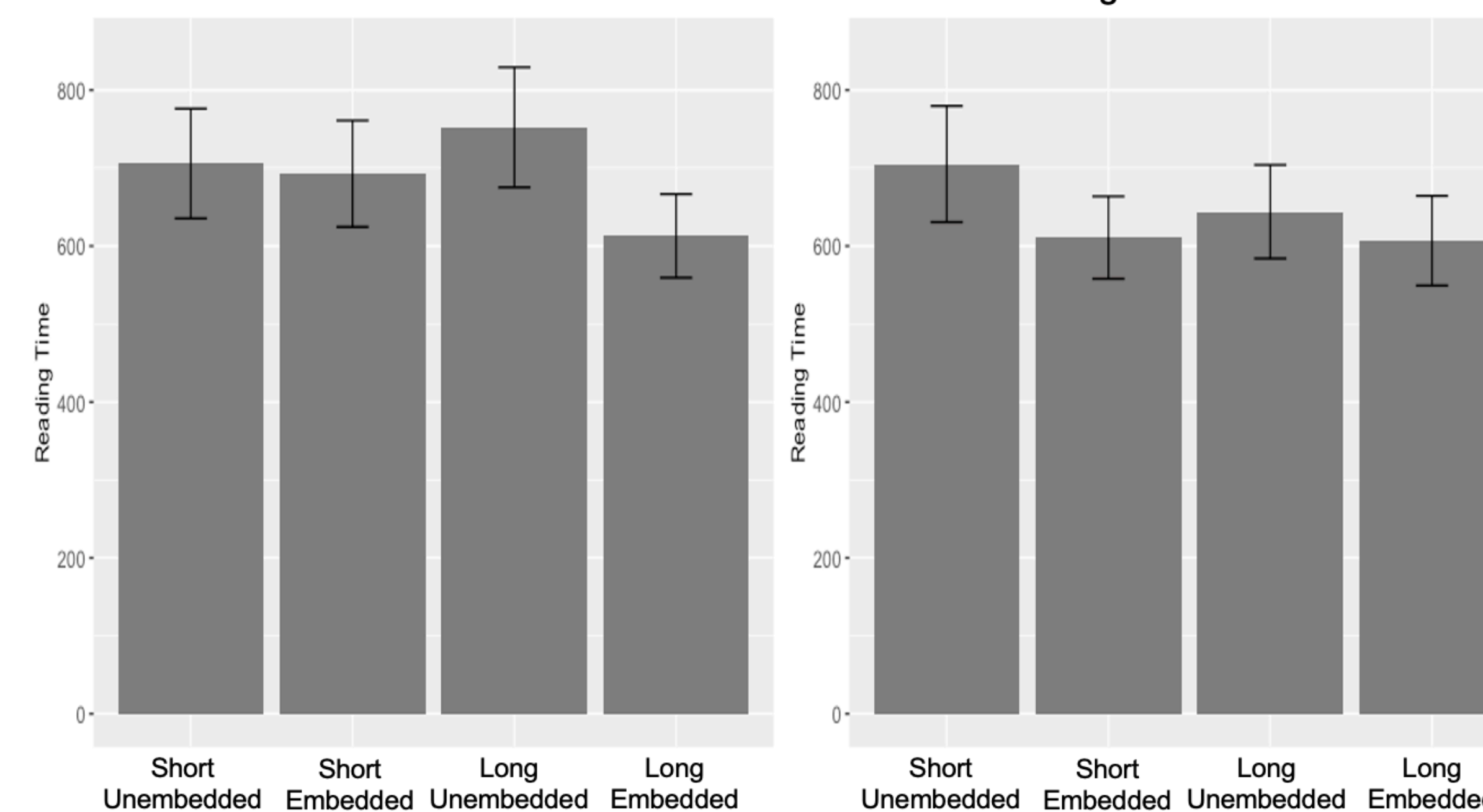


Fig. 2 First-pass reading time (Error bars: 95% CIs)

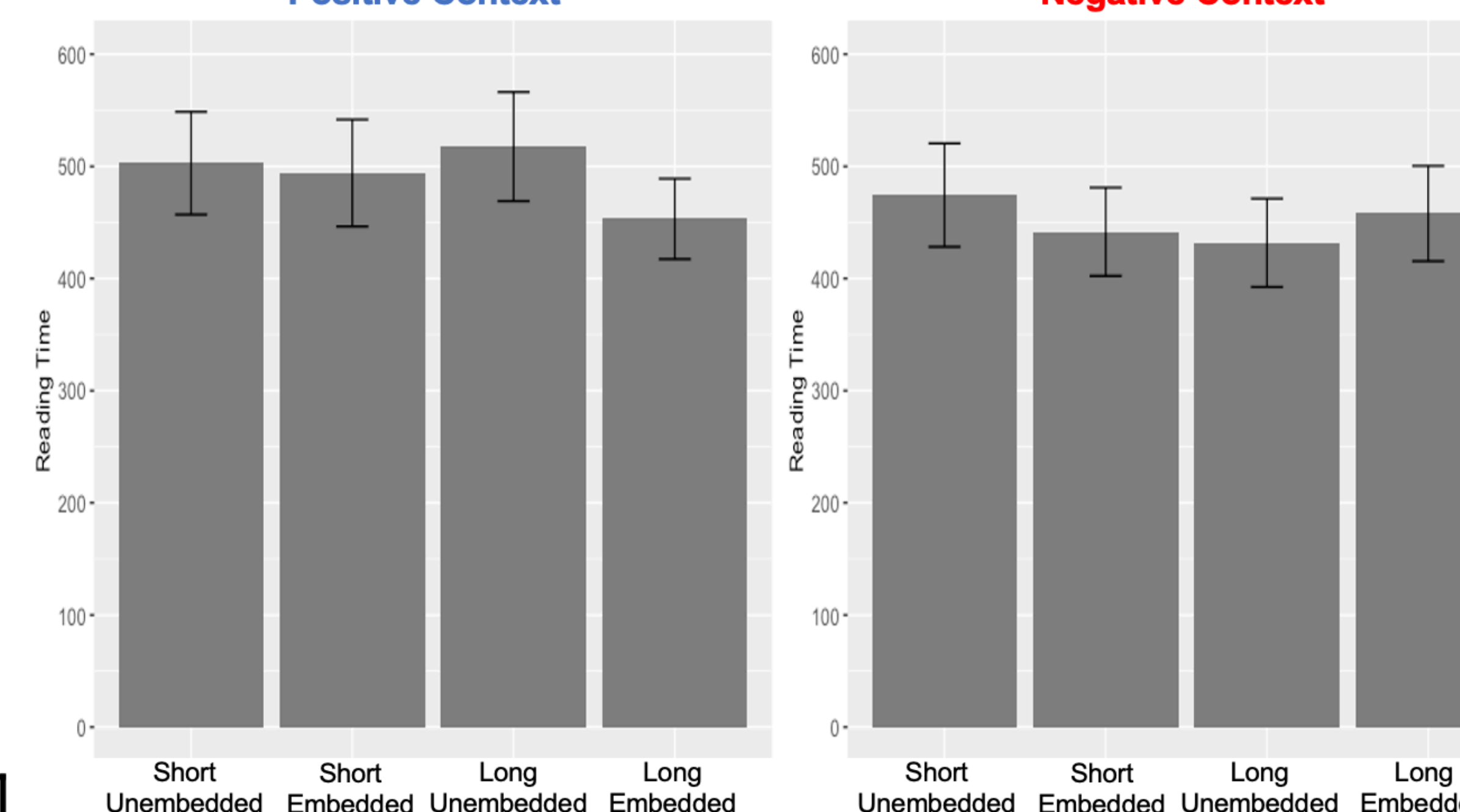
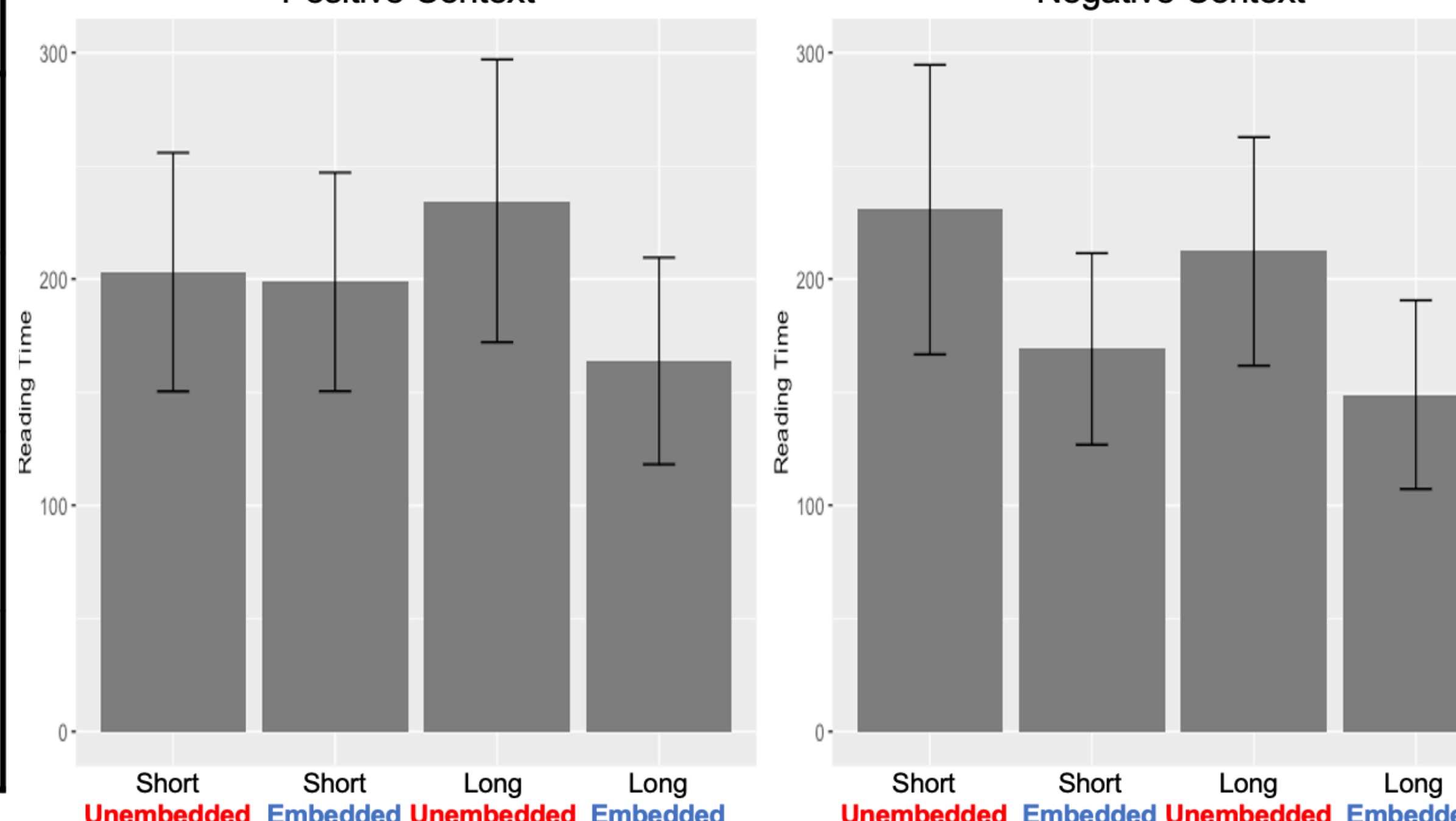


Fig. 3 Second-pass reading time (Error bars: 95% CIs)



Results

- Generally, reading times were faster in the negative context conditions.
- When *tto* is embedded, the overall reading times became faster.
- **Total reading time**
 - Context effect ($\beta = 50.03, t = 2.09, p < .05$)
 - *tto* effect ($\beta = 68.9, t = 2.87, p < .01$)
- **First-pass reading time**
 - Context effect ($\beta = 39.96, t = 2.54, p < .05$)
- **Second-pass reading time**
 - *tto* effect ($\beta = 48.82, t = 2.63, p < .01$)
- **Failed to find any interaction effects**

Discussion

- **How do we process projecting presupposition “not” again?**
 - Context affects overall real-time processing stages.
 - The negation effect was detected neither in the early-stage processing nor in the late-stage one.
 - *tto* effect without any interaction effects
 - *Default meaning generation and contextual accommodation.*
 - The first-pass reading times in the negative-long-embedded condition were slower than the the ones in the unembedded condition.
 - *Frequency effect: tto + the superficial form information of the long-form negation.*

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