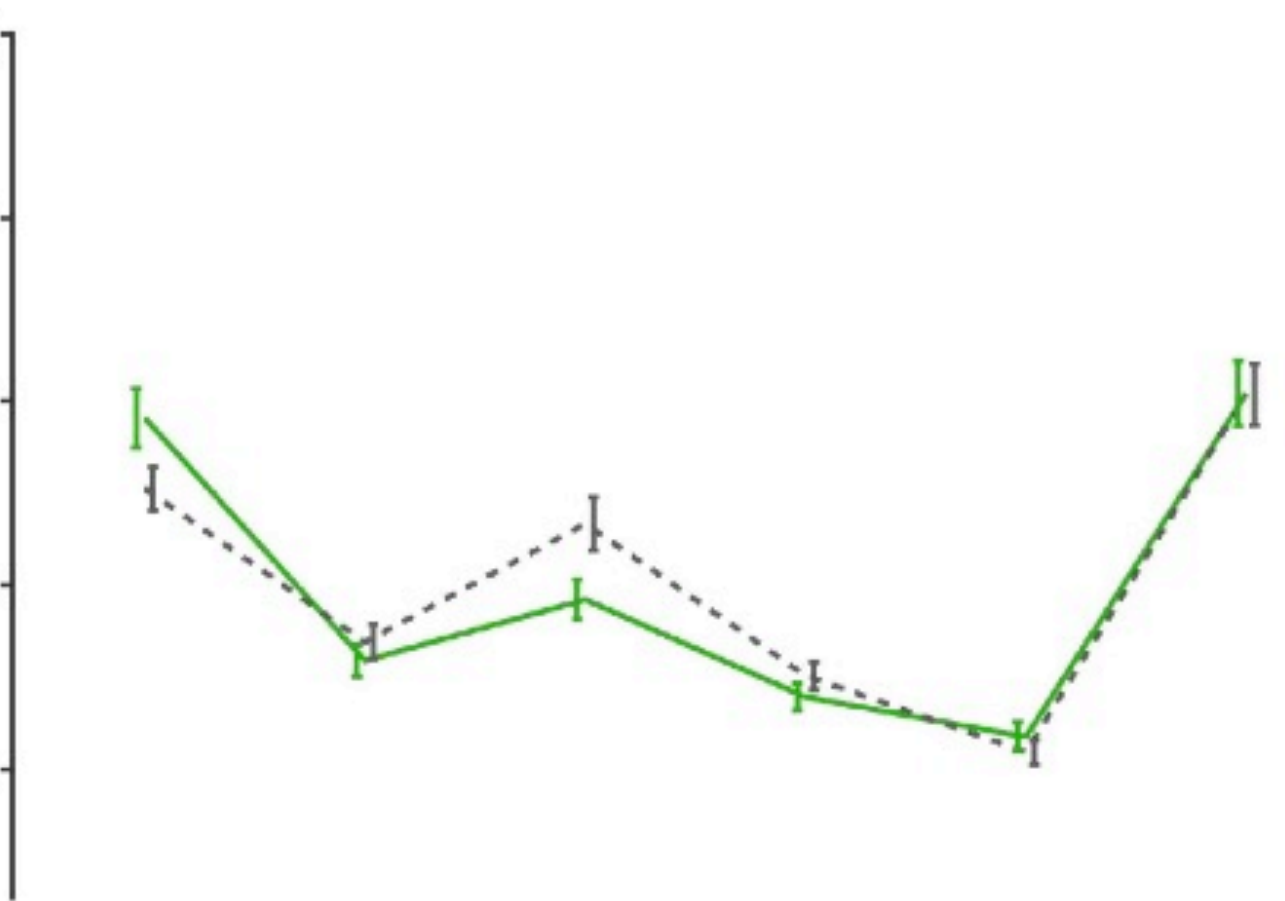


Semantic Association — strong — weak





verb

the

target

Word

S1

S2

S3



→ Observe d by the fox, the cat/snake caught the mouse

1-Short Direct Relation

3-Long Direct Relation



A horizontal timeline with a vertical line at the left end and a horizontal line extending to the right. There are five tick marks on the horizontal line, each with a label below it. The labels are 'verb', 'the', 'target', 'S1', 'S2', and 'S3'. The word 'Word' is centered below the 'target' label.

verb

the

target

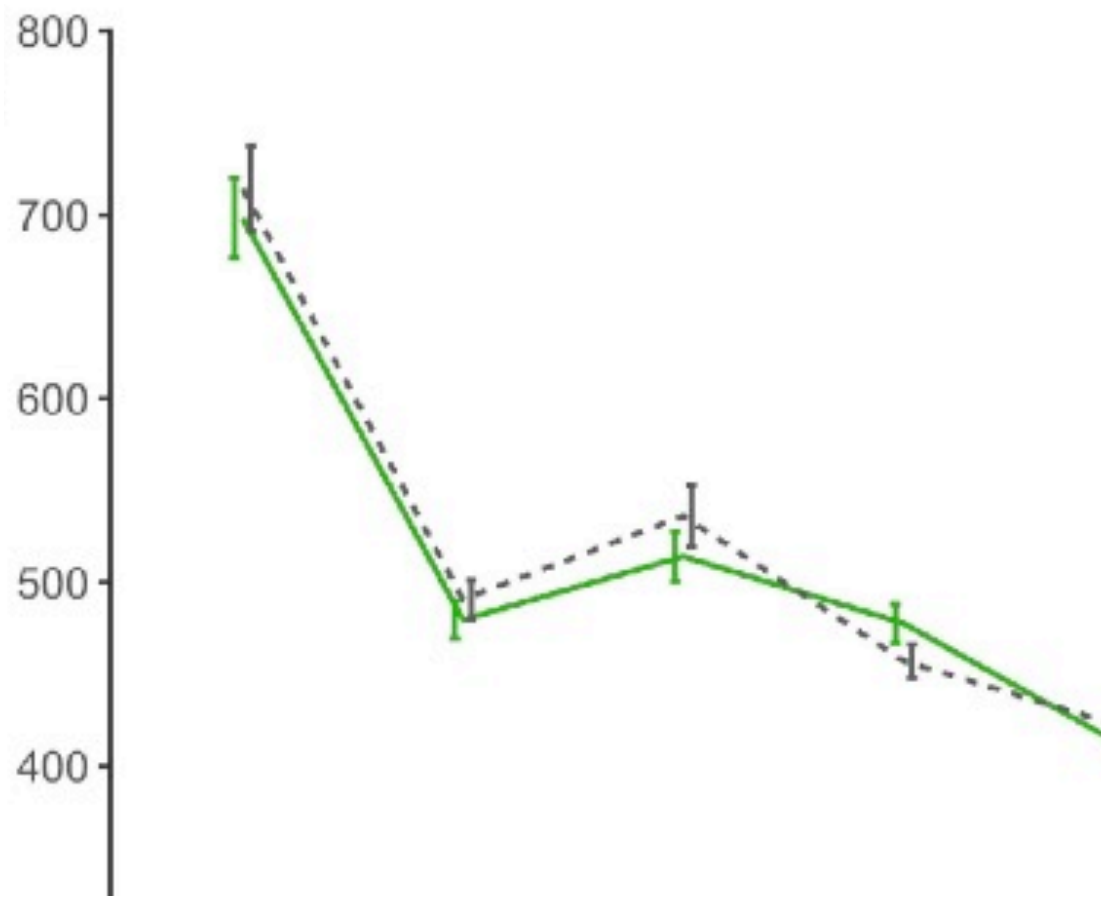
Word

S1

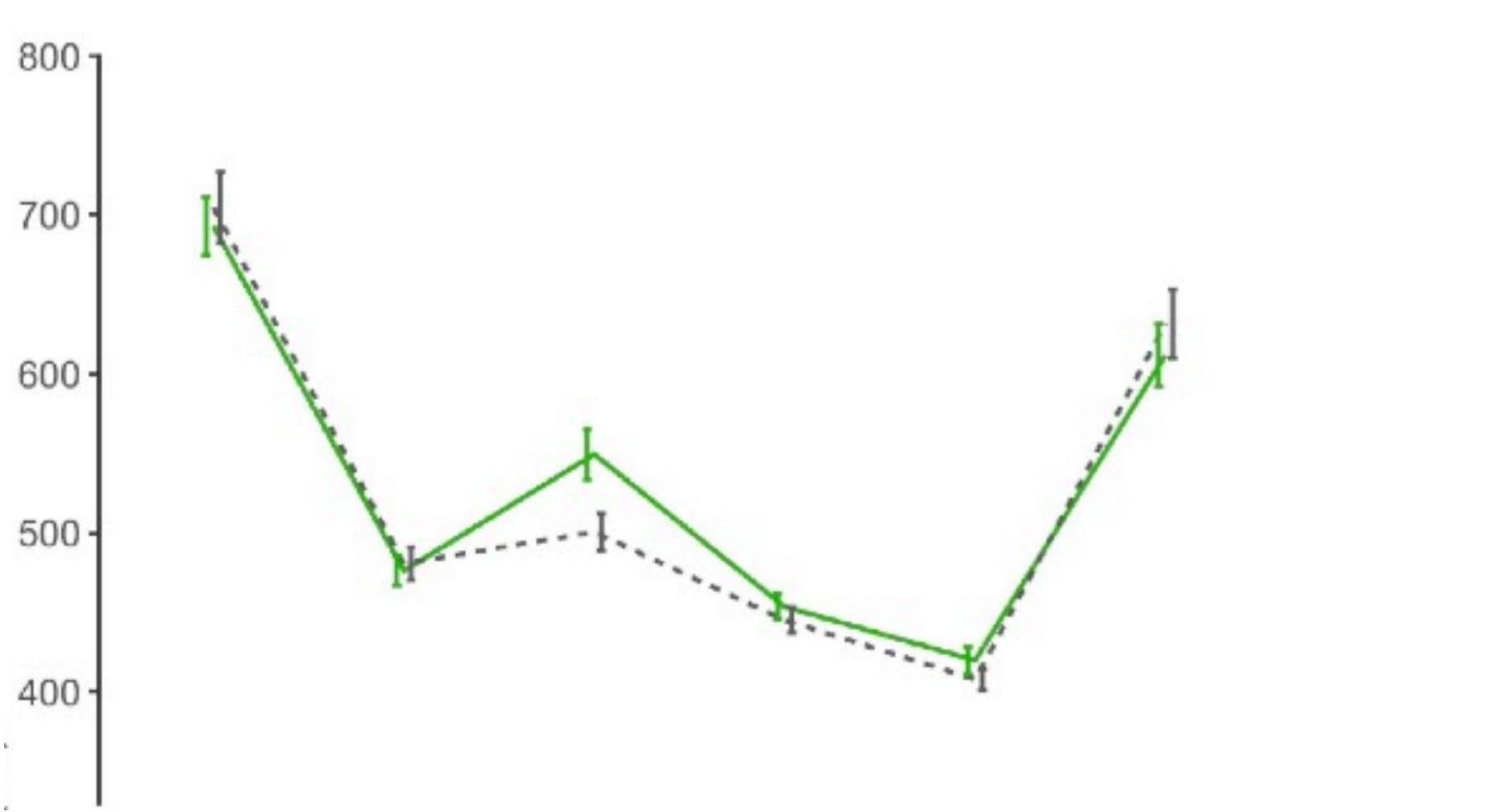
S2

S3





2-ShortIndirectRelation



verb

the

target

S1

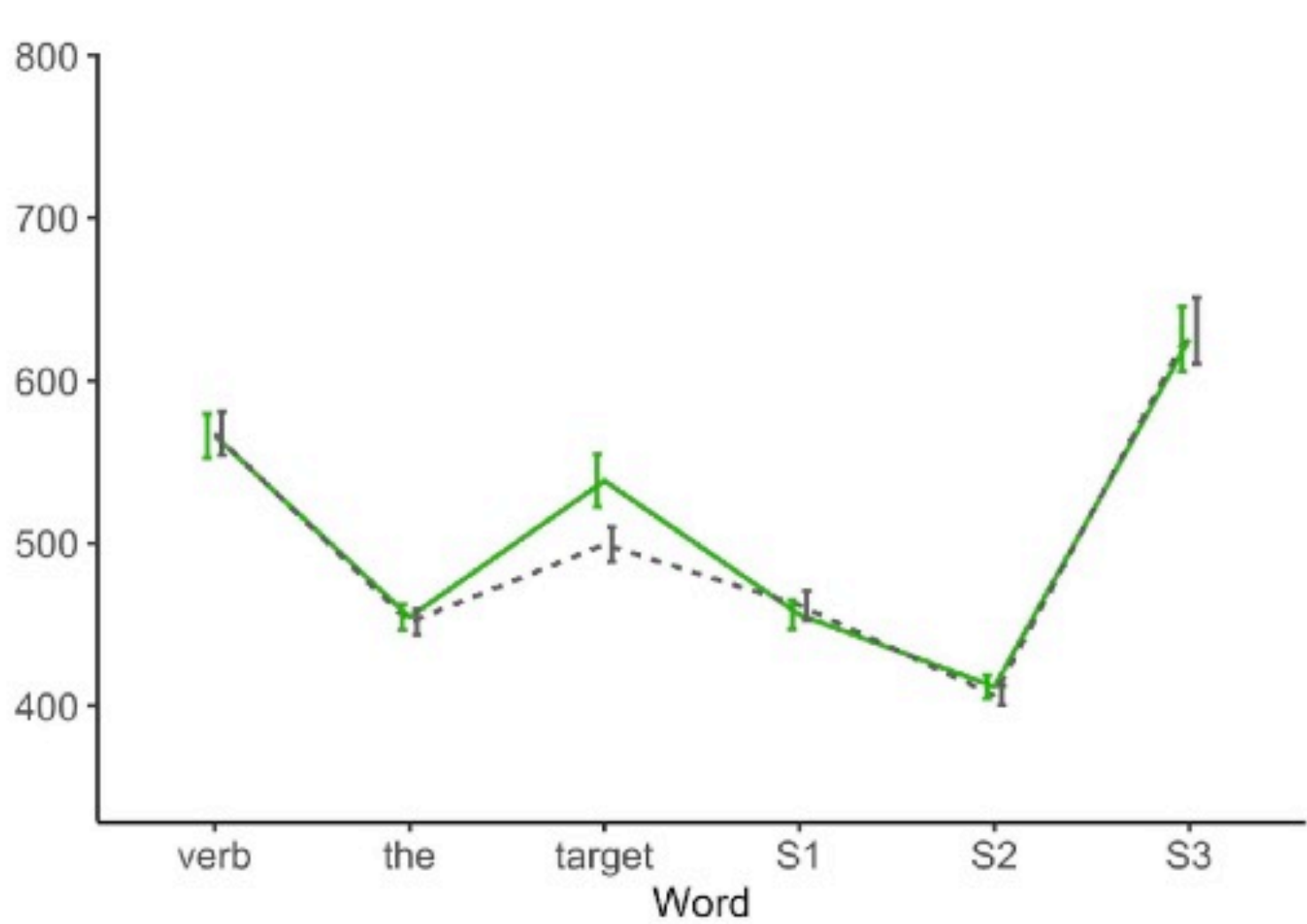
S2

S3

Word



→ The fox that observed the **cat**/snake caught the mouse



4-Long Indirect Relation



RRRMING

INTERFERENCE

INTERFERENCE



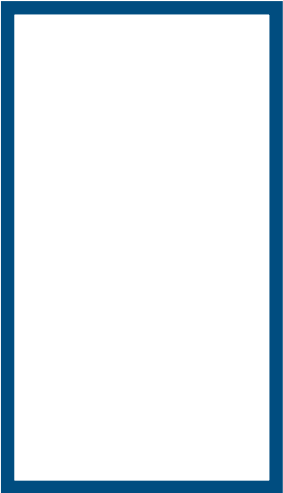




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Semantic Association  strong  weak

RRMNG

➡ The *cat*/snake that observed the fox caught the *mouse* in the barn

→ Observed by the **cat**/snake, the fox caught the **mouse** in the barn

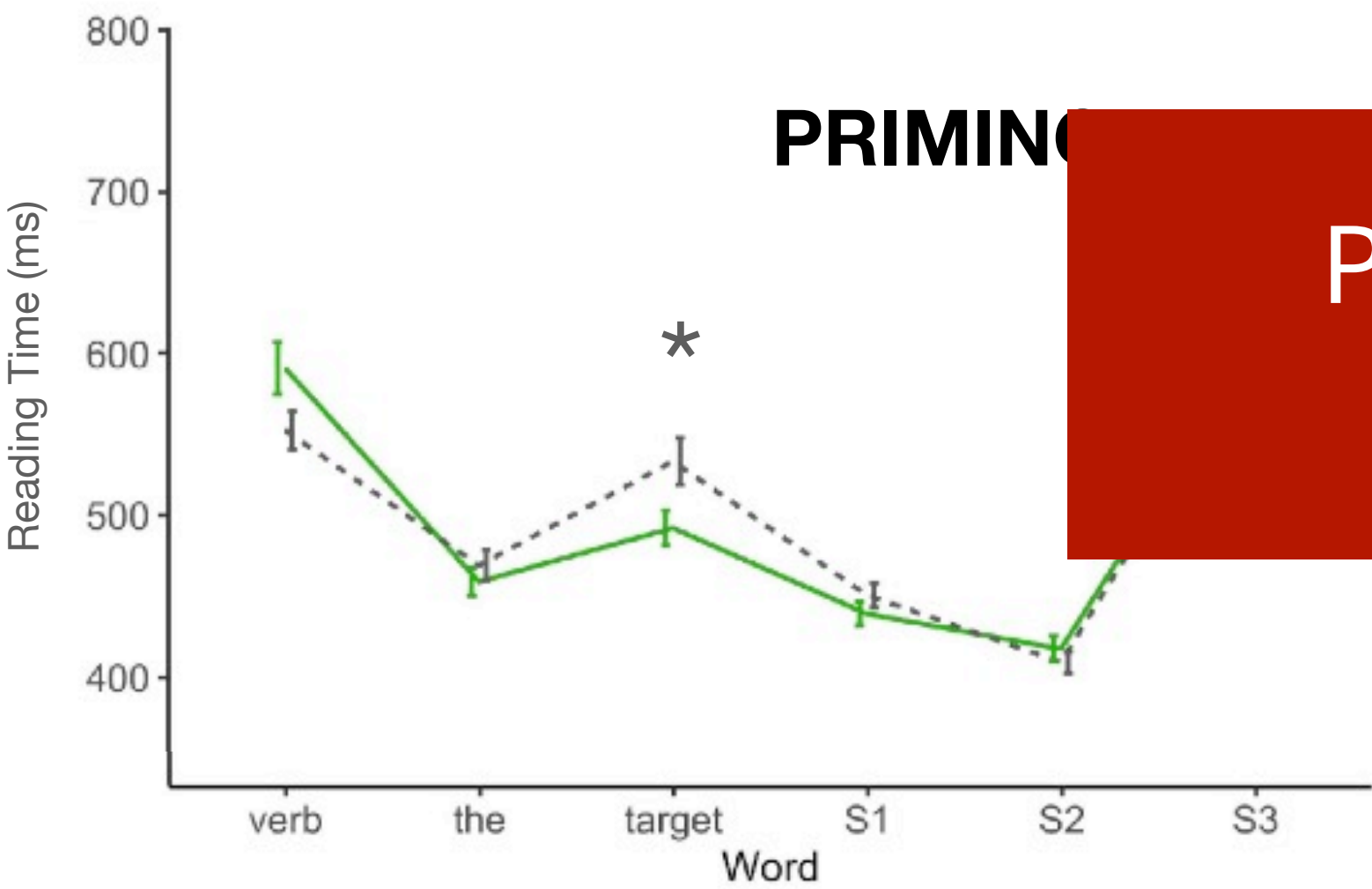


PRIMING IN DIRECT RELATIONS

INTERFERENCE IN INDIRECT RELATIONS

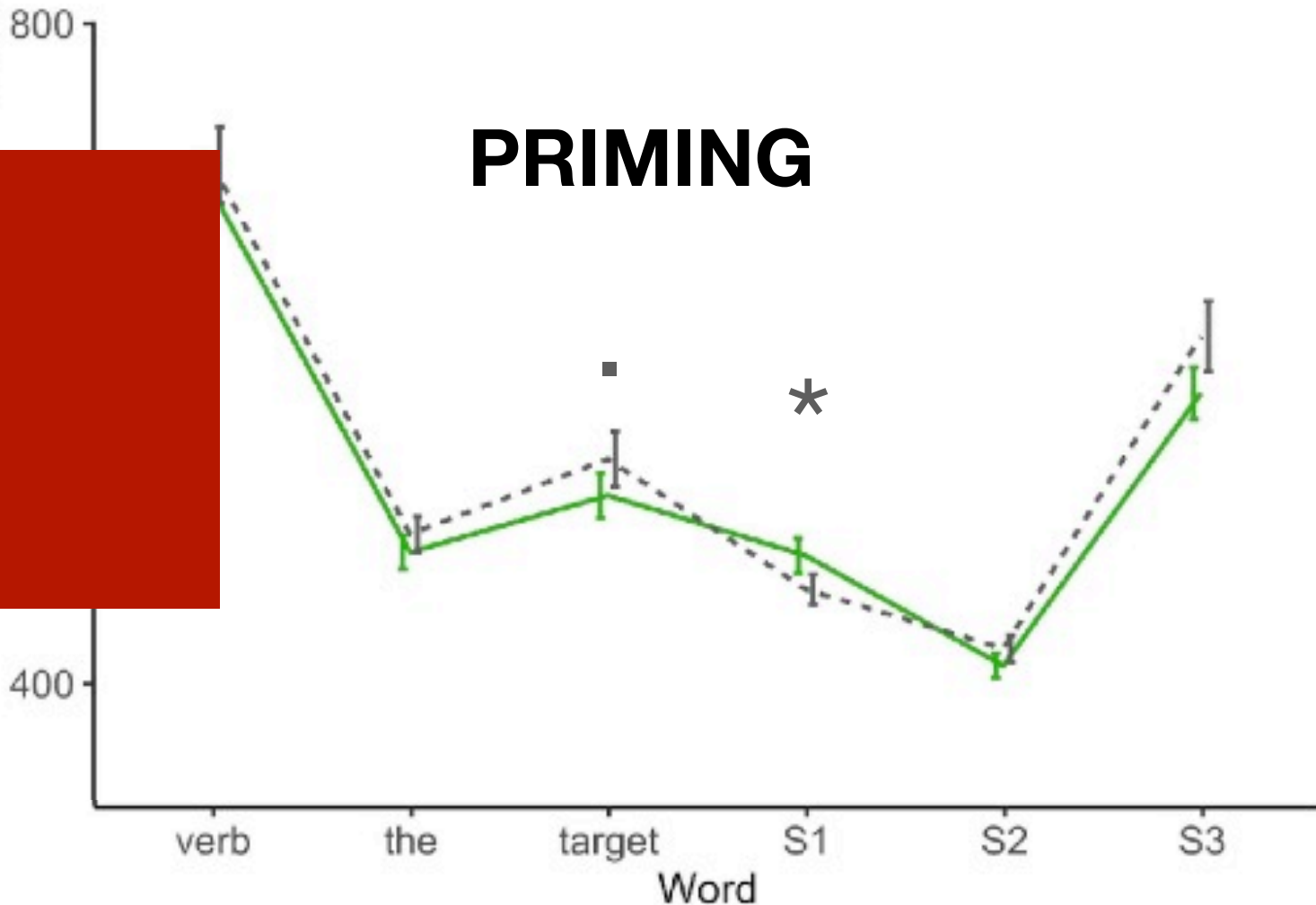
1 - Short Direct Relation

➡ Observed by the fox, the **cat/snake** caught the **mouse**



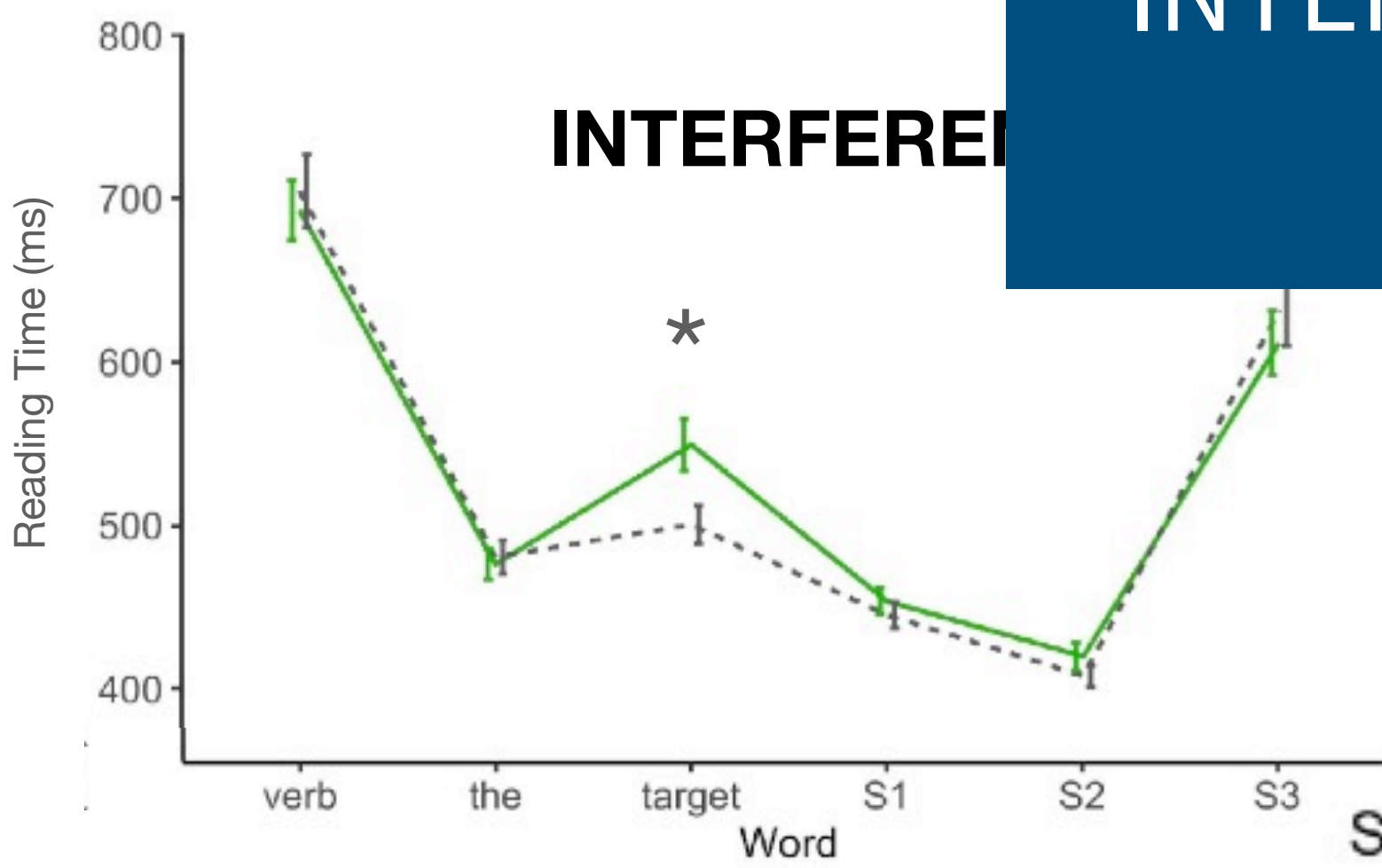
3 - Long Direct Relation

➡ The **cat/snake** that observed the fox caught the **mouse** in the barn



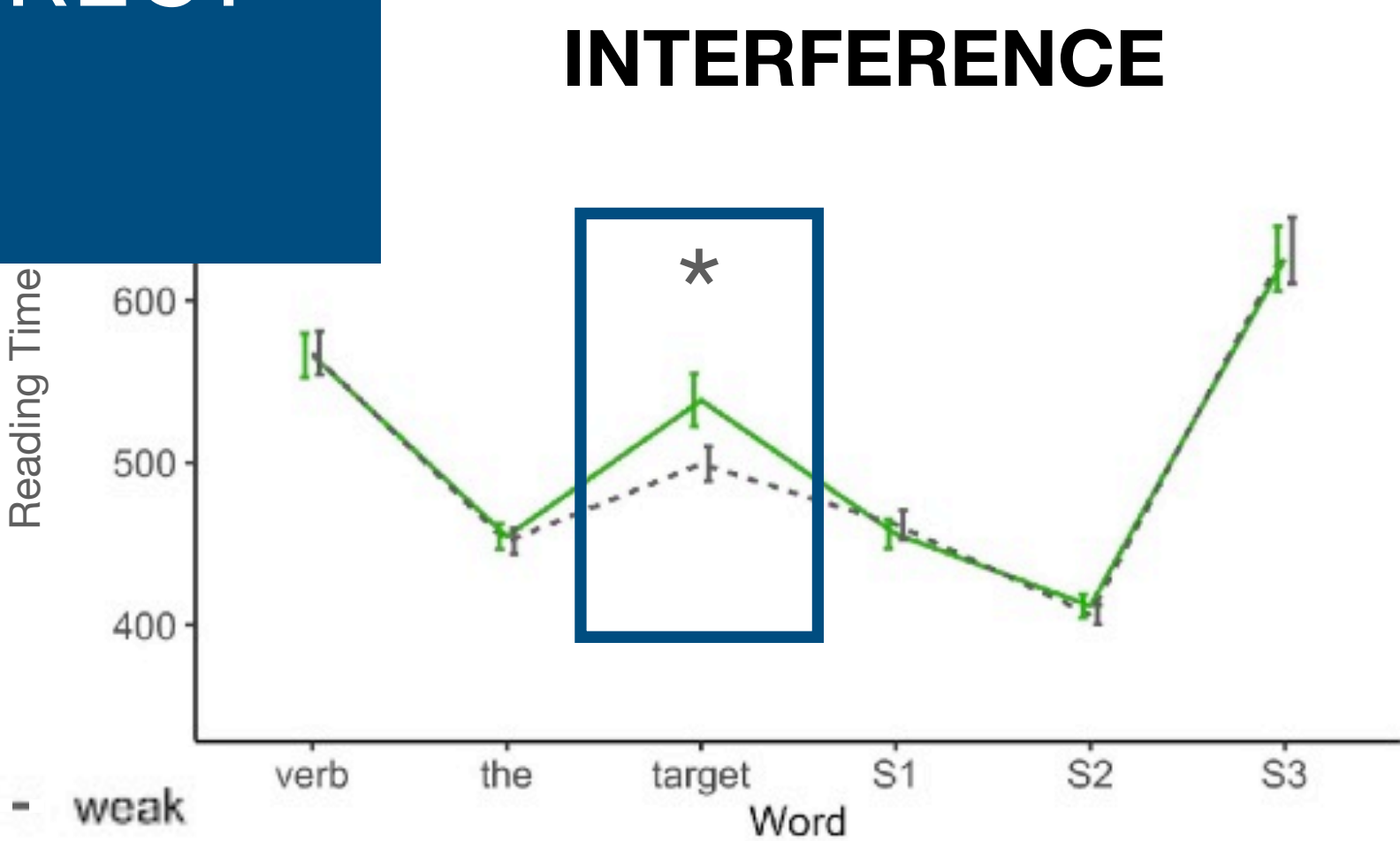
2 -Short Indirect Relation

➡ The fox that observed the **cat/snake** caught the **mouse** in the barn



4 - Long Indirect Relation

cat/snake, the fox caught the **mouse** in the barn





Inter-individual variability

These results were modulated by **participant's working memory (WM) capacity** :