(A) Center Embeddings

ONE (1) The report <u>was</u> surprising.

TWO (2) The report that the doctor annoyed the patient <u>was</u> surprising.

THREE (3) The report that the doctor who the lawyer distrusted annoyed the patient <u>was</u> surprising.

(B) Contexts and Surface-Similar Variants

### ① Low Embedding Bias, Compatible Verb

	Context c	$P(c)$
True (c^*)	The report that the doctor annoyed the patient...	
Variants	The report **by** the doctor annoyed the patient.	
	The report **about** the doctor annoyed the patient.	
	. . .	
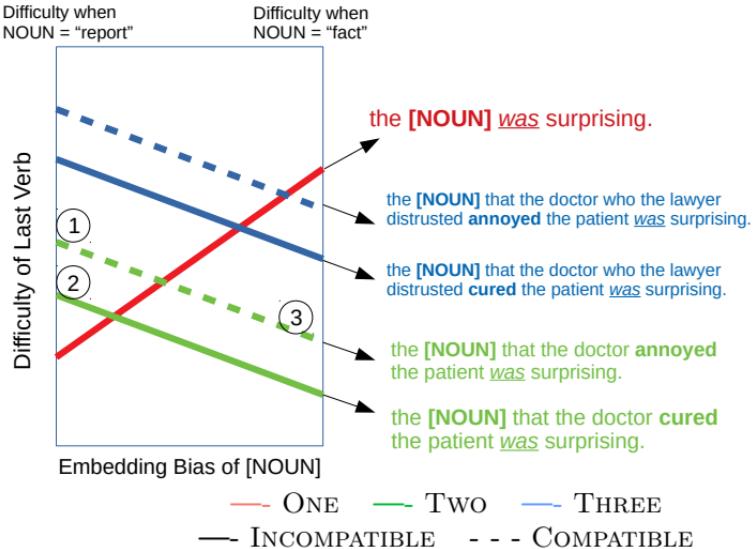
② Incompatible Verb

	Context c	$P(c)$
True (c^*)	The report that the doctor **cured** the patient...	
Variants	The report **by** the doctor **cured** the patient.	
	The report **about** the doctor **cured** the patient.	
	. . .	

③ High Embedding Bias
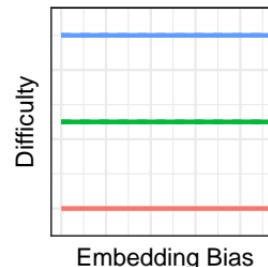
	Context c	$P(c)$
True (c^*)	The **fact** that the doctor annoyed the patient...	
Variants	The **fact of** the doctor annoyed the patient.	
	The **fact about** the doctor annoyed the patient.	
	. . .	

(C) Conceptual Model Predictions

Difficulty when NOUN = "report"

Difficulty when NOUN = "fact"

the **[NOUN]** <u>was</u> surprising.

the **[NOUN]** that the doctor who the lawyer distrusted **annoyed** the patient <u>was</u> surprising.

the **[NOUN]** that the doctor who the lawyer distrusted **cured** the patient <u>was</u> surprising.

the **[NOUN]** that the doctor **annoyed** the patient <u>was</u> surprising.

the **[NOUN]** that the doctor **cured** the patient <u>was</u> surprising.

Difficulty of Last Verb

Embedding Bias of [NOUN]

ONE — TWO — THREE — INCOMPATIBLE - - - COMPATIBLE

(D) Existing Models

Memory-Based (DLT)

Expectation-Based (Surprisal Theory)

Difficulty

Embedding Bias

Difficulty

Embedding Bias