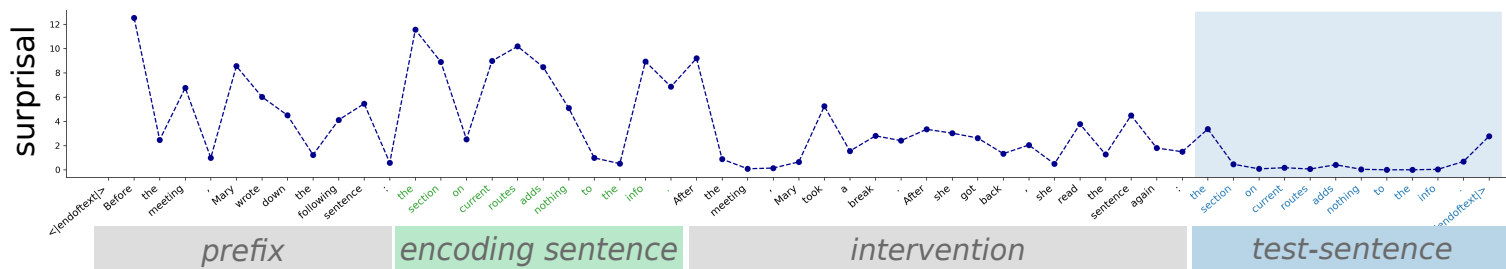
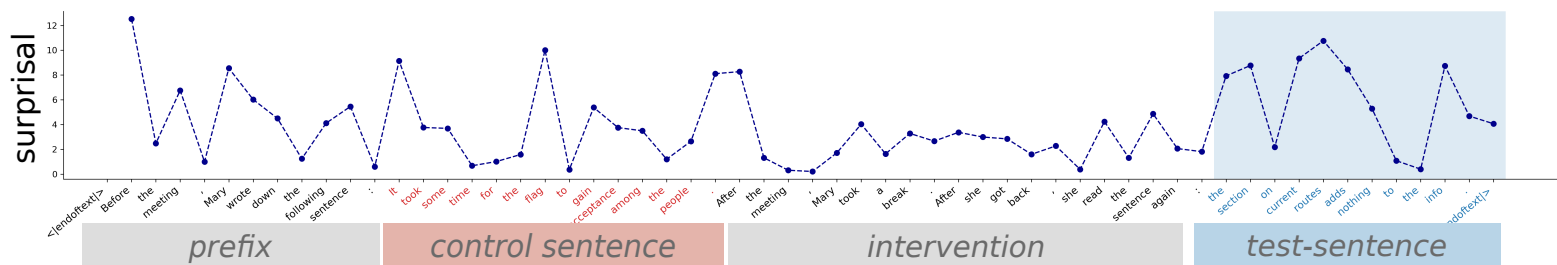


(A) example Test-sequence seq_T

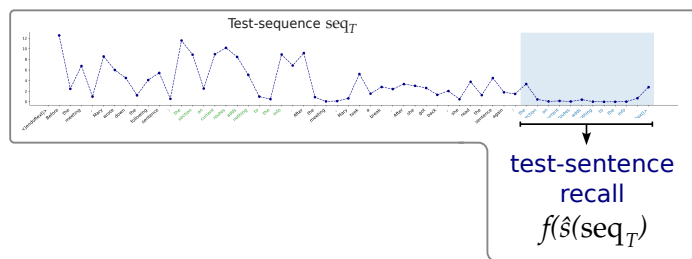


(B) example Control-sequence seq_C^x

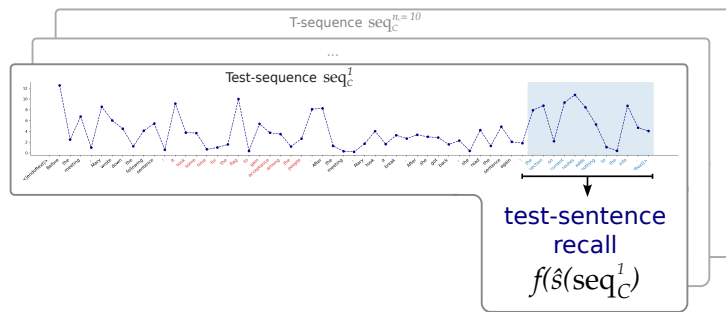


(C) repeat surprisal paradigm

test sentence recall with relevant context



test sentence recall with irrelevant context



compute proportion of recall with context compared to without context

average to obtain baseline $\text{avg}_x(f(\hat{s}(\text{seq}_C^x)))$

$$100 \frac{f(\hat{s}(\text{seq}_T))}{\text{avg}_x(f(\hat{s}(\text{seq}_C^x)))}$$

final measure
repeat surprisal_f($\text{seq}_T, \text{seq}_C^x$)