

# When Speech Becomes Writing: The Case of Disfluencies

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For human readers, **written disfluencies** (e.g., *um*) render the text more **speech-like** which in turn opens it up to **less literal interpretation**.



literal fluent	I'm sure negative peer pressure leads to mostly <b>idiotic</b> decisions.
literal disfluent	I'm sure negative peer pressure leads to mostly <i>um</i> <b>idiotic</b> decisions.
non-literal fluent	I'm sure negative peer pressure leads to mostly <b>clever</b> decisions.
non-literal disfluent	I'm sure negative peer pressure leads to mostly <i>um</i> <b>clever</b> decisions.



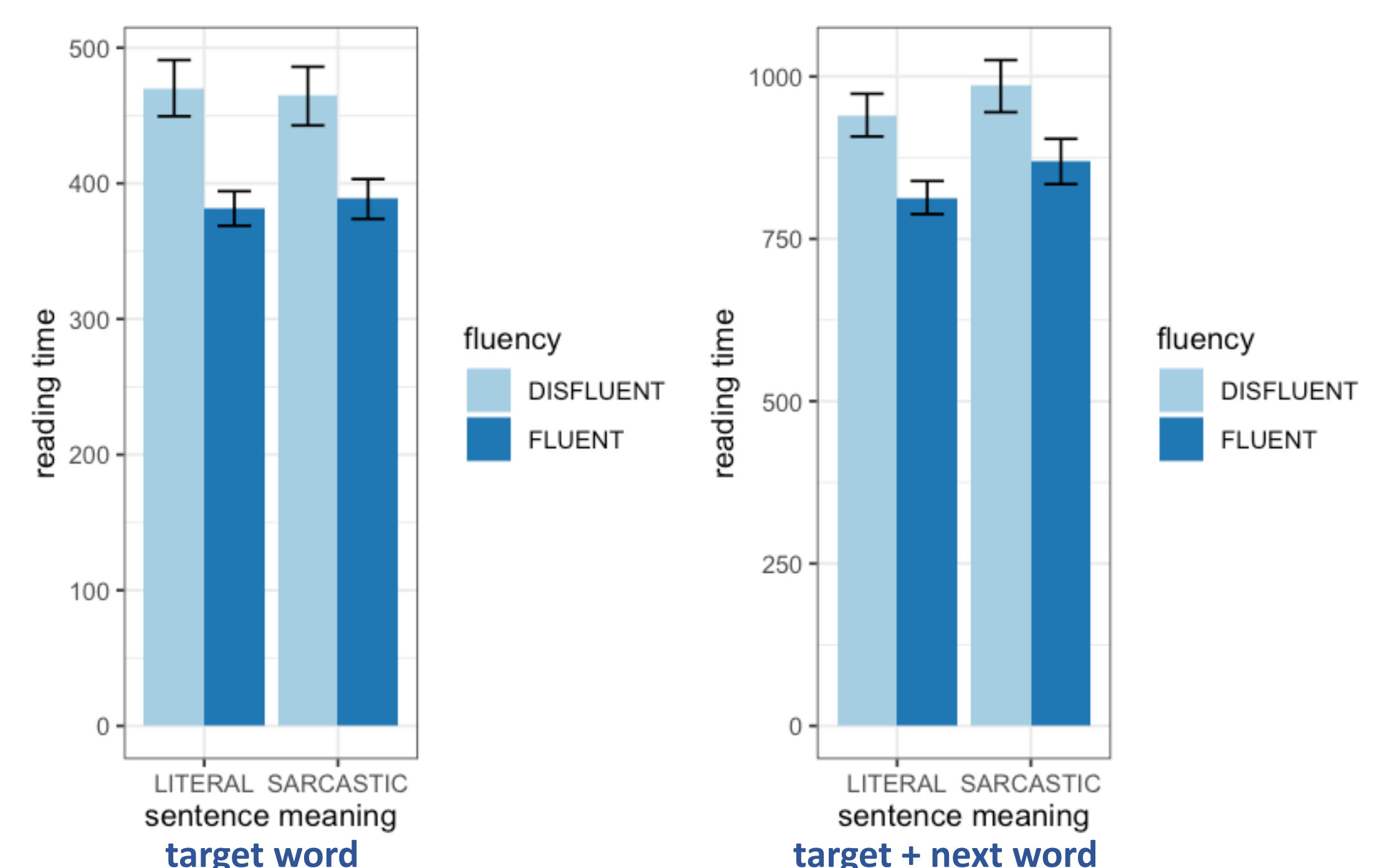
⚖️ When preceded by *um*, sentences compatible with **non-literal** meaning are **not faster** to read.

😊 **Literal** sentences are **faster** to read than non-literal sentences.

😊 **Disfluent** sentences are **slower** to read than fluent sentences.



self-paced reading



99 participants, word-by-word self-paced reading of 24 items



eye-tracking experiment

natural reading prosody not disrupted

48 counterbalanced pairs, same character count:

merry(literal)/feral (non-literal)  
feral(literal)/merry (non-literal)

commas before and after *um*:

... be, *um*, merry when ...

