Salient Phonological Information Modulates the Effect of Semantic Priming John R. Starr, Helena Aparicio, Draga Zec, Marten van Schijndel Cornell University

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INTRODUCTION

- Semantic priming can strongly influence expectations [1].
- Previous research is inconclusive regarding how phonological structure informs expectations of lexical items [2, 3, 4, 5, 6].
- We compare participant preferences and response times in phonological contexts (Exp 1) and their de-phonologized variants (Exp 2) to see the effects of phonological information in a semantic-priming paradigm.
- We focus on differences between intended targets (IT) and semantically-primed targets (AT).

RESEARCH QUESTION

How does the presence of salient phonological information affect lexical expectations?

REFERENCES

[1] McNamara (2005).

- [2] Nieuwland et al. (2018). *ELife*.
- [3] Nieuwland (2019). *Neuroscience & Biobehavioral Reviews*.
- [4] Read et al. (2014). *Frontiers in psychology*.
- [5] Pickering & Garrod (2007). *Trends in cognitive science*.
- [6] Lupker & Williams (1989). *Journal of Experimental Psychology*.

2)





EXP 1 DISCUSSION		
IT selected whenever it's present;	1)	IT i
some priming in AT condition.		prin
IT targets selected the fastest;	2)	IT 1
AT targets selected as slow as fillers.		AT

EXP 2 DISCUSSION

- is selected less frequently;
- ming surfaces in AT and BOTH conditions.
- targets selected the fastest;
- targets selected faster than random fillers.

Salient phonological information can override semantic priming effects.

CONCLUSION