Morphological learning in an online language app: Evidence from Lingvist users Jordan Gallant & Victor Kuperman

Research Questions

- 1. Do users in an online learning app show evidence of morphological learning?
- 2. Do exposures to sublexical elements in other target vocabulary and words in context sentences support learning?

How does the app work?

Material: Cloze sentences with source language gloss Task: Translate and correctly type target vocabulary

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He did a lot of before applying for this job.		He did a lot of research before this job.
Forschung Er hatte sich gut informiert, bevor er sich um diesen Job bewarb.	^	Forschung Er hatte sich gut informiert, bevor er sich um diesen Job

Methods

Using a large data set of Lingvist app users learning English via German/Japanese, we investigated the effect of exposure to type and token counts of sublexical elements encountered in other target vocabulary and context sentences. We looked at learning success across users' first five attempts.

We investigated the effects of exposures to word-final three letter combinations in simplex words (NGRAM3; e.g., steak, weak), orthographically and phonological consistent letter combinations in the final rime of simplex words (RIME; e.g., marine, routine) and suffixes in morphologically complex words (SUFFIX; e.g., joy**ful**; color**ful**).

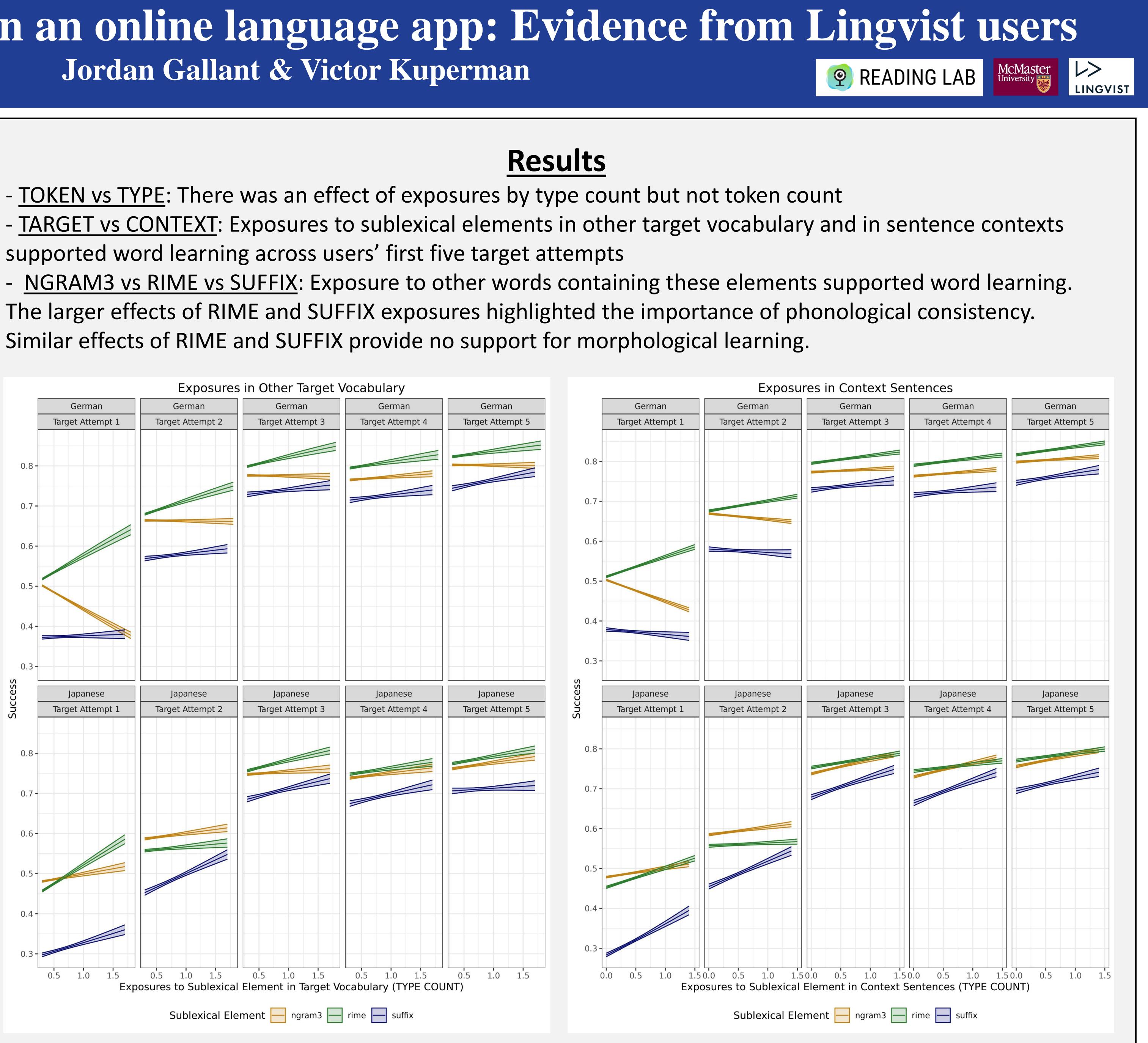
Data

- Single simplex or complex words
- Sublexical element type counts were >1 and <100
- Users total target attempts were >100

		Target Attempts			
	Users	Ngram3	Rime		
German	7,115	4,973,713	2,665,353	1,	
Japanese	4,834	3,603,028	2,378,272	1,	

re applying for

supported word learning across users' first five target attempts



Word learning is more effective when learners encounter orthographically and phonologically consistent sublexical elements in a variety of other lexical contexts.

Suffix

,222,358

,273,392

Conclusion