Why an *Avalanche* is Faster than an *Explosion*: Evidence from a Grammatical Decision task.



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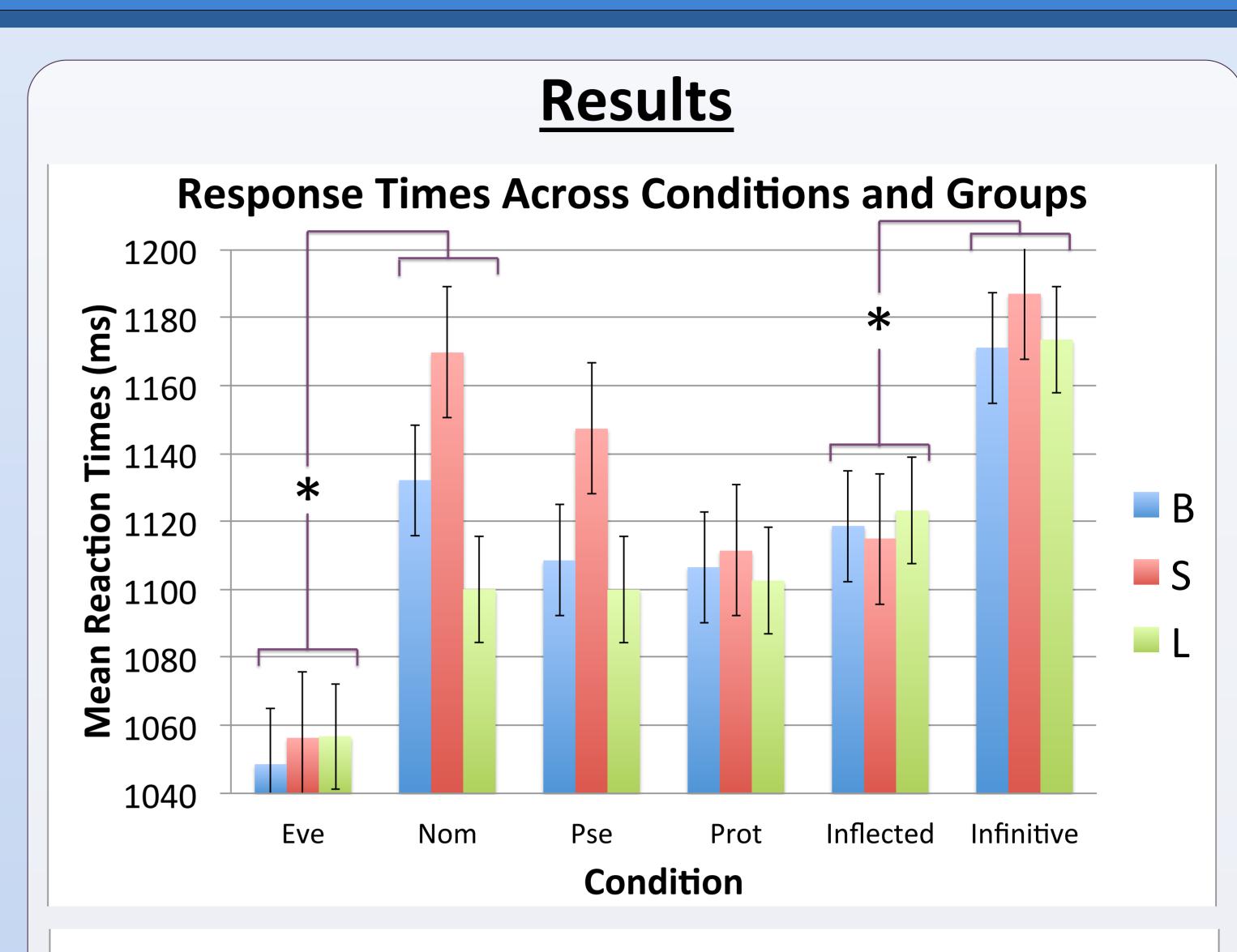
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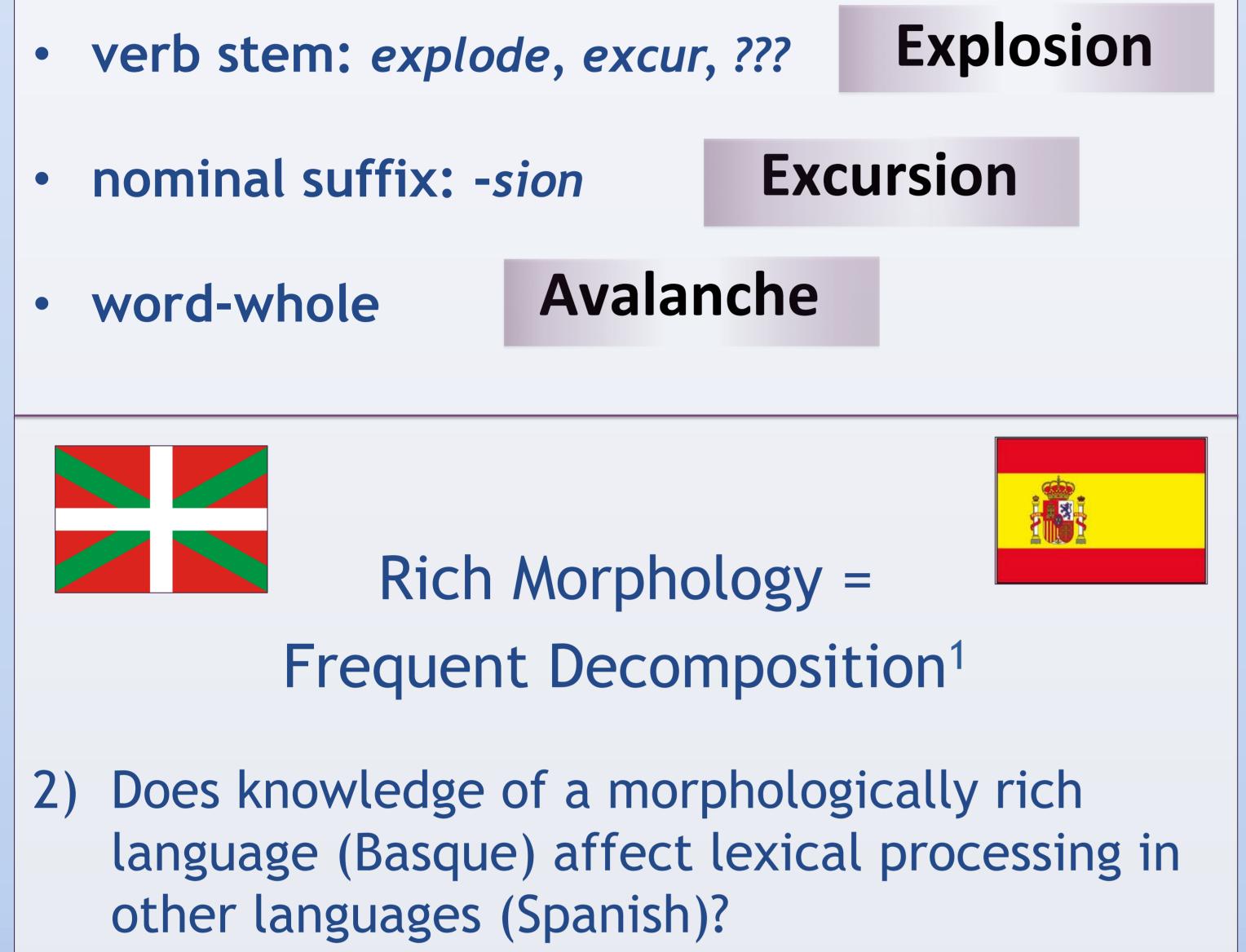


Introduction

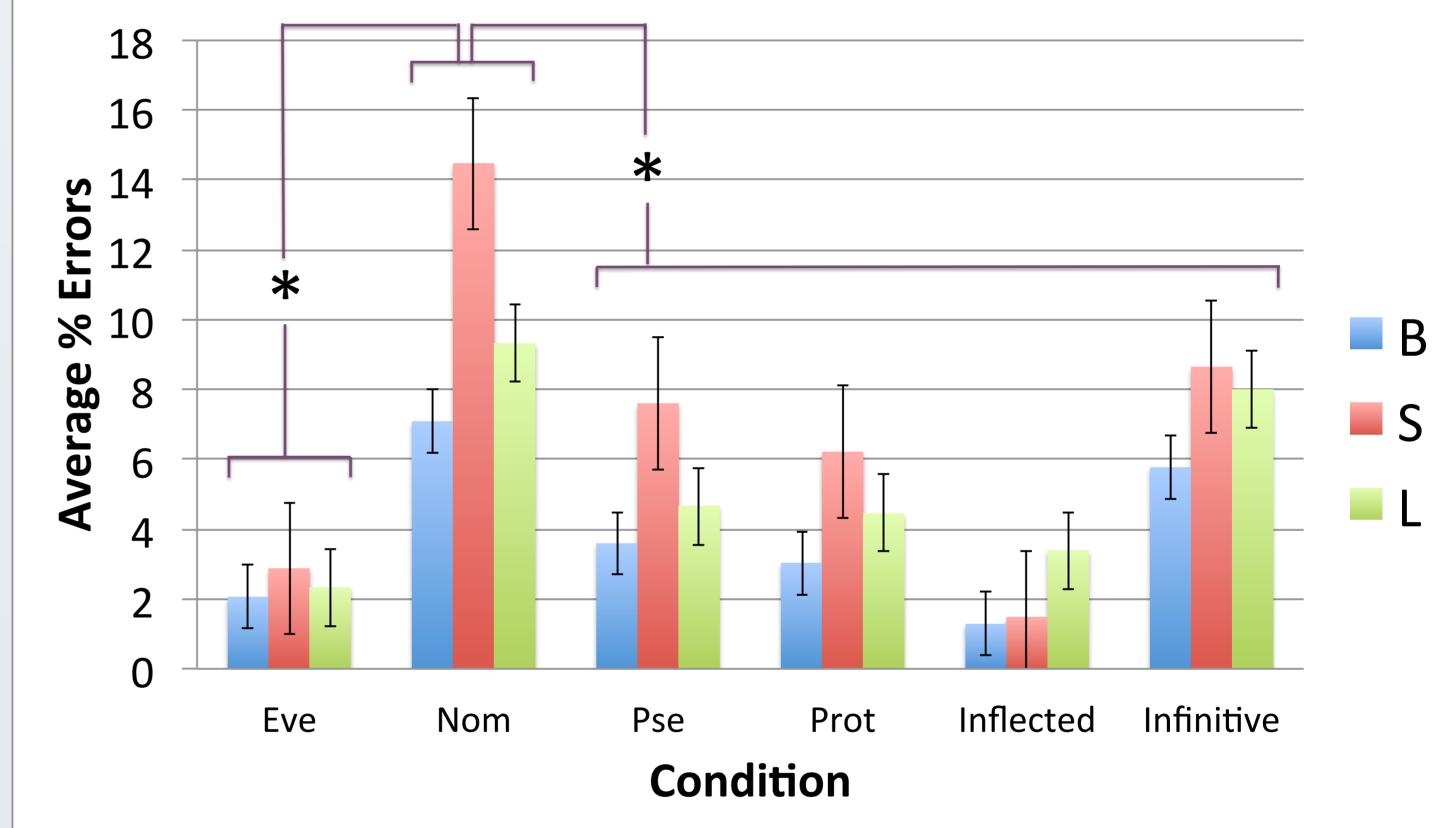
Two Questions:

1) Do we access the morphological structure of nominalizations during processing?





Error Rate Across Conditions and Groups



Method

Participants:

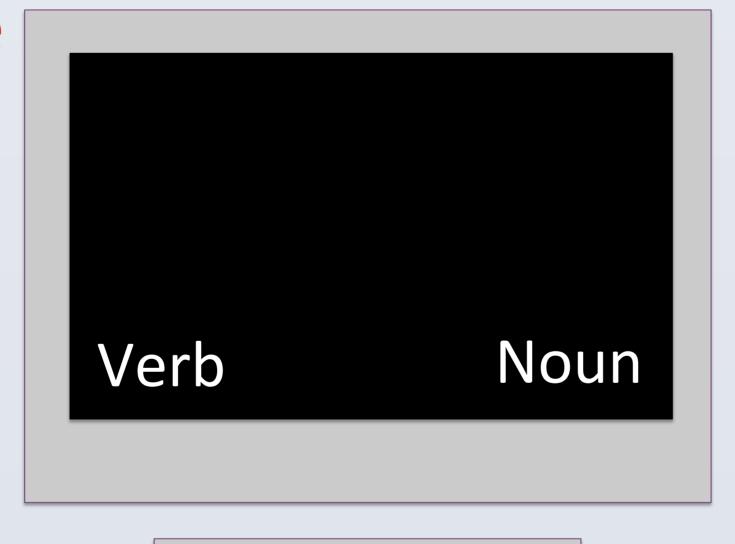
- L1 Basque, L2 Spanish
- L1 Spanish, high Basque
- L1 Spanish, low Basque

Stimuli:

- 65 nouns
- 104 verbs

Auditory Task:

- Listen to 3 lists of 169 Spanish words
- Decide whether each is a noun or verb
- Measured reaction time and error rate



5

5

<u>Conclusions</u>

- 1) Greater difficulty identifying nominalizations suggests activation of verbal stem, requiring inhibition and repair of 'verb' response
- 2) No apparent sensitivity to the word-class determining nominal suffix
- 3) Atypical 'action-like' semantics did not predict difficulty in noun identification
- 4) The difference in linguistic profile appears to

Condition	Example	(Translation)	n=
Event Noun	Terremoto	Earthquake	13
Nominalization	Matan za	Slaughter	13
Pseudo-suffix	Vigen cia	Validity	13
Prototypical Noun	Afrenta	Insult	26
Inflected Verb	Besaréis	Will kiss (2 nd Psn)	52
Infinite Verb	Difundir	To broadcast	52

have implications on lexical processing and decomposition

5) Inflected verbs were identified more easily than infinitives, despite the need for decomposition

References

¹ Hankamer, J. (1989). "Morphological Parsing and the Lexicon." In Lexical Representation and Process, William Marslen-Wilson, ed., 392-408. Cambridge, MA: MIT Press.

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