

The Number of Senses Effect in Polysemous Adjective Recognition

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1 Polysemy – faster recognition

polysemy: related senses

higher number of senses (NoS)

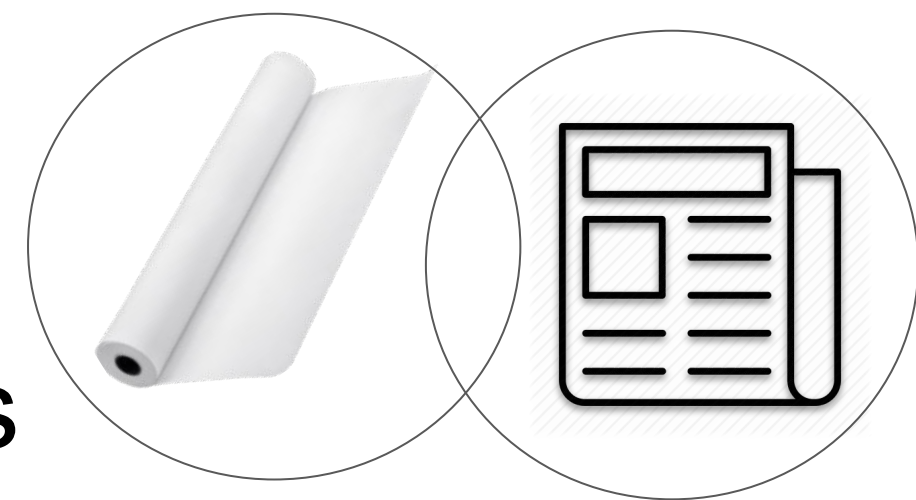
stronger facilitation among related senses

stronger semantic activation

faster recognition in lexical decision time task

(Armstrong & Plaut, 2016; Rodd et al., 2002)

paper



NoS effect in:

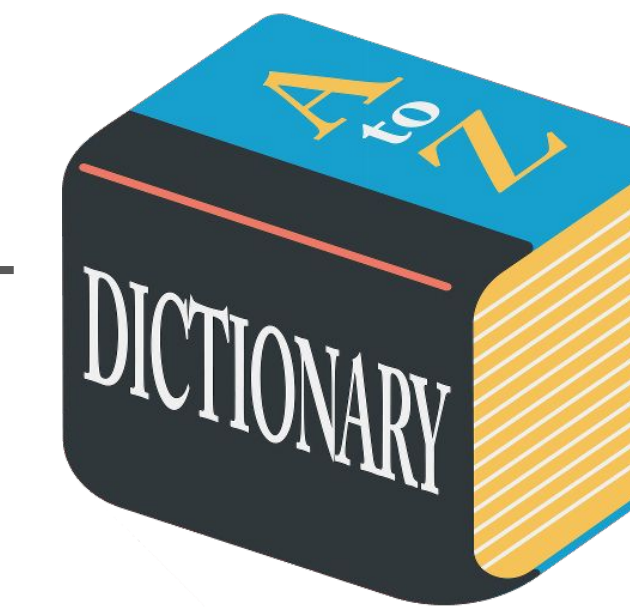
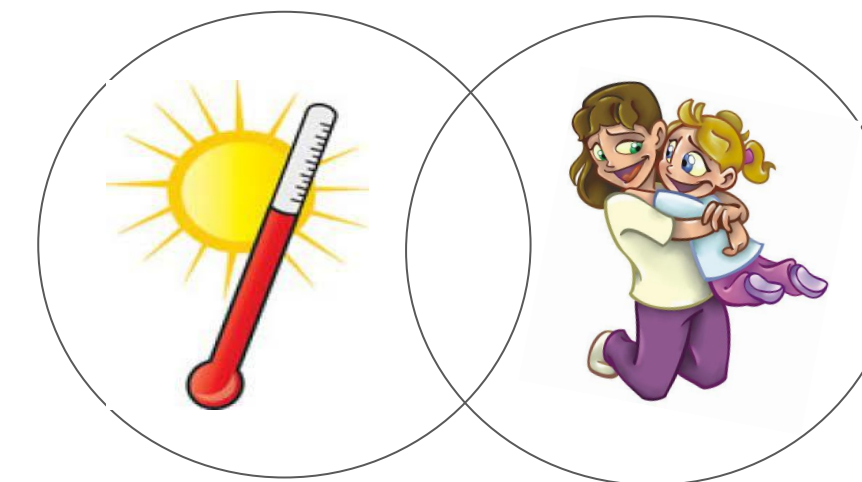
nouns ✓
verbs ✓
adjectives ?

(Filipović Đurđević & Kostić, 2021; Mišić & Filipović Đurđević, 2020)

Higher NoS -- faster adjective processing?

2 Counting the adjectival senses (NoS)

topao
(warm)



senses obtained from the dictionary } NoS

(Rečnik Matice Srpske, 2007)

1. "high temperature"
2. "showing affection"
3. ...



senses obtained from native speakers } NoS

(36 volunteers)

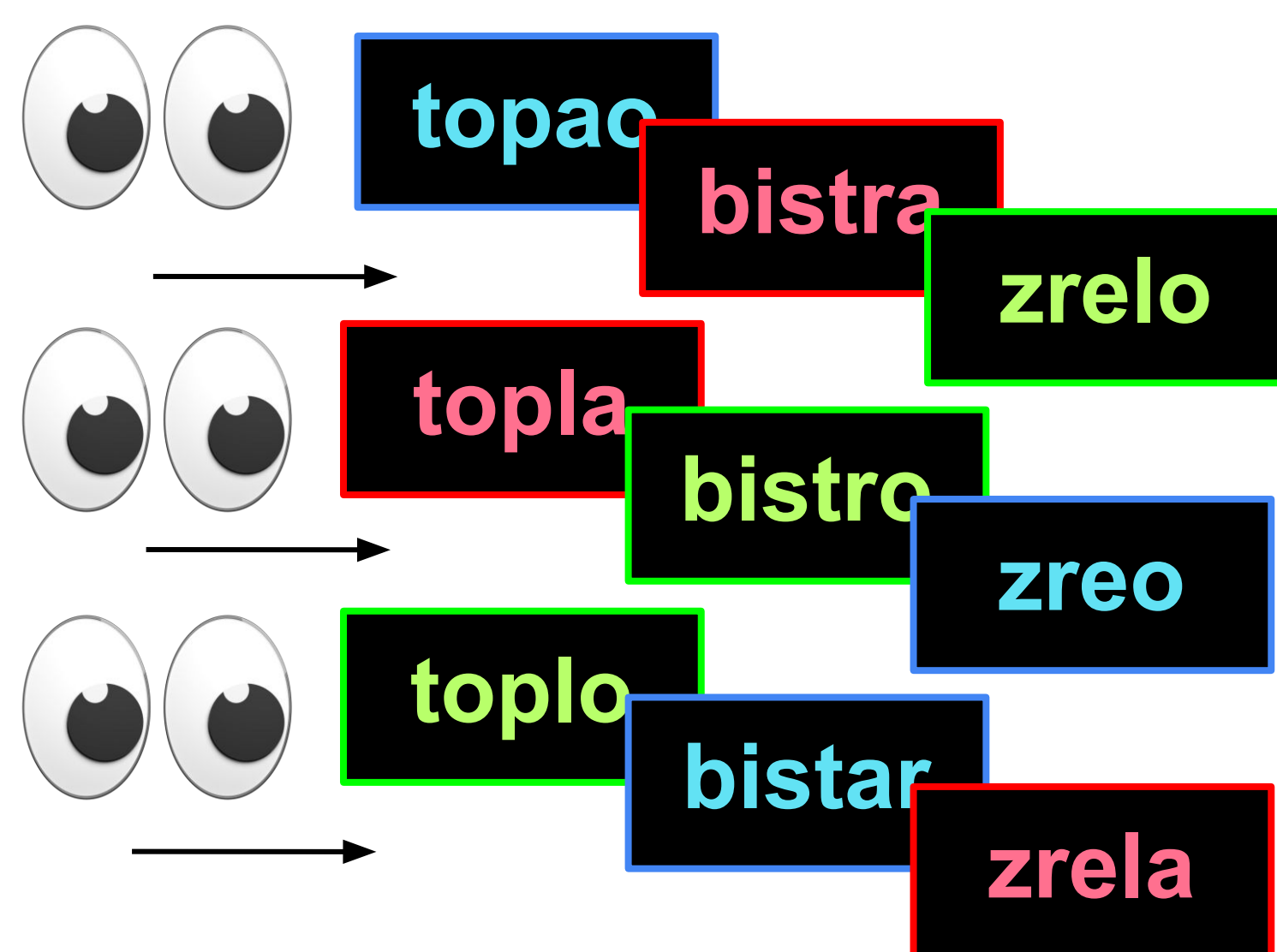
to be included in future analysis

3 Timing adjective recognition

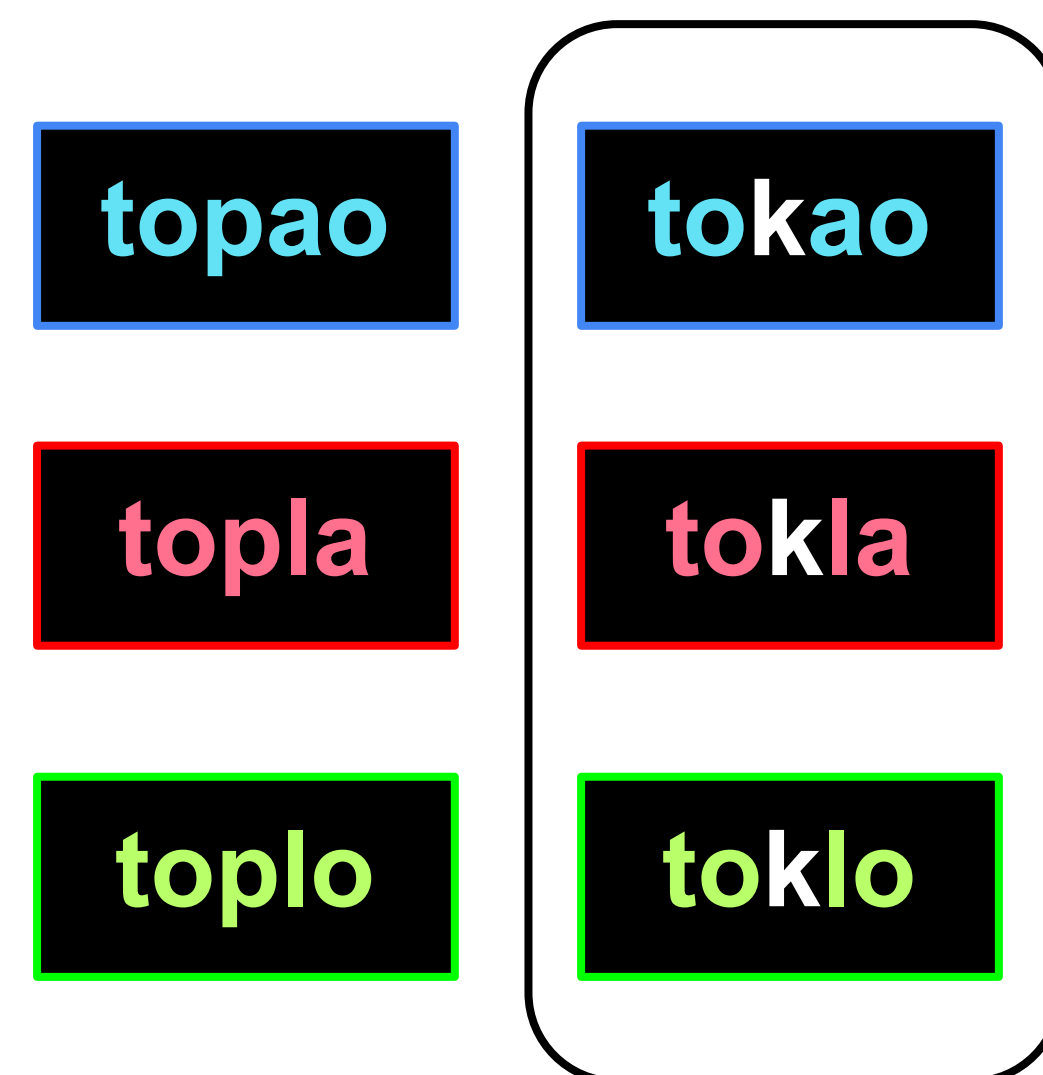
48 participants

107 polysemous Serbian adjectives in visual lexical decision task

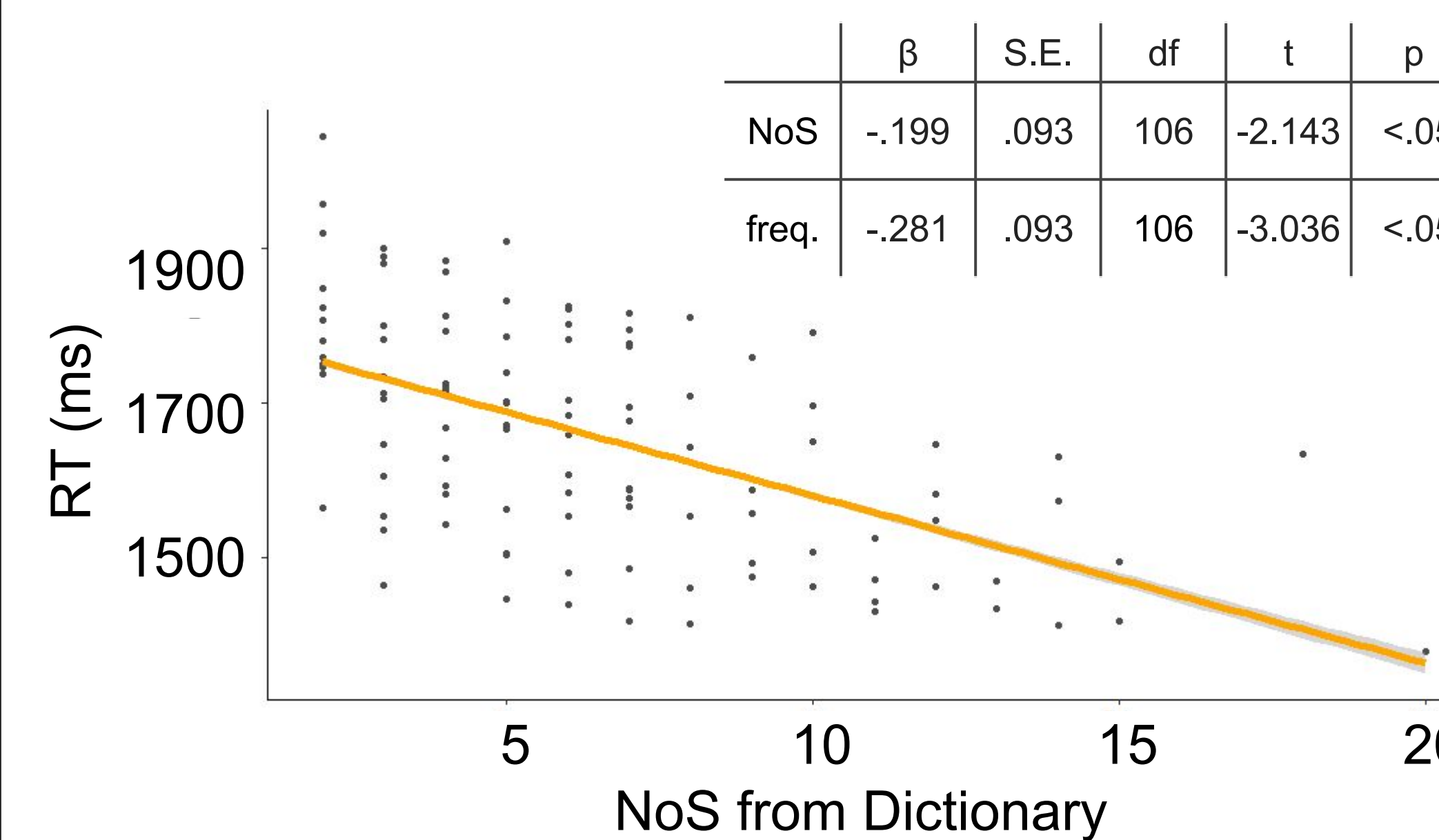
Latin square design



words pseudowords



4 NoS effect across parts of speech



Next steps:
including other covariates
comparing grammatical genders
including NoS from native speakers

NoS effect in:

nouns ✓
verbs ✓
adjectives ✓

Higher NoS -- faster adjective processing! ✓