

Mechanisms of udio-visual Categorization

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- Is this inhibition susceptible to change?

active words suppress less active WORDS (Dahan et al, 2001; McClelland & Elman, 1986).

suit

- word learning (Kapnoula et al, 2013, though see Dumay & Gaskell, 2007).
- difficulty suppressing competitors.

### Question:

- lower levels of competition between word pairs.
- using the visual world paradigm.

**Subjects**: 74 undergraduate students/paid subjects Materials: 28 monosyllable word pairs (e.g. suit-soup)

performed the same (4) tasks, however:



- McClelland, J. L., & Elman, J. L. (1986). The TRACE model of speech perception. *Cognitive Psychology, 18*(1), 1-86.

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## References

• Dahan, D., Magnuson, J.S., Tanenhaus, M.K., & Hogan, E. (2001). Subcategorical mismatches and the time course of lexical access: Evidence for lexical competition. Language and Cognitive Processes, 16(5/6), 507-534. • Dumay, N., & Gaskell, M. G. (2007). Sleep-associated changes in the mental representation of spoken words. Psychological Science, 18(1), 35-39. • Kapnoula, E. C., Packard, S., Gupta, P., & McMurray, B. (in press). Immediate lexical integration of novel word forms. Cognition, 134, 85-99. • Mainela-Arnold, E., Evans, J. L., & Coady, J. A. (2008). Lexical representations in children with SLI: Evidence from a frequency-manipulated gating task. Journal of Speech, Language, and Hearing Research, 51(2), 381-393. • McMurray, B., Samelson, V. M., Lee, S. H., & Tomblin, J. B. (2010). Individual differences in online spoken word recognition: Implications for SLI. Cognitive Psychology, 60(1), 1–39.