

## Psychology 351: Theories of Attention

### *History in a Nutshell* (January 13)

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### *Preliminaries: Evaluating and Comparing Models* (January 20)

- Hintzman, D. L. (1989). Why are formal models useful in psychology? In W. E. Hockley & S. Lewandowsky (Eds.), *Relating theory and data: Essays on human memory in honor of Bennet B. Murdock*. (pp. 39-56). Hillsdale, NJ: Lawrence Erlbaum.
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- Myung, I. J. (2000). The importance of complexity in model selection. *Journal of Mathematical Psychology*, 44, 190-204.
- Myung, I. J., & Pitt, M. A. (1997). Applying Occam's razor in modeling cognition: A Bayesian approach. *Psychonomic Bulletin & Review*, 4, 79-95.
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*What Attention is For* (January 27)

- Allport, D. A. (1987). Selection for action: Some behavioural and neurophysiological considerations of attention and action. In H. Heuer & A. F. Sanders (Eds.), *Perspectives on perception and action*. (pp. 395-419). Hillsdale, NJ: Lawrence Erlbaum.
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*Dual-Task Performance* (February 3)

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#### *Capacity and Resource Theory* (February 10)

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#### *Selective Attention: Spotlight and Zoom Lens Models* (February 17)

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*Selective Attention: Visual Search Theory* (March 10)

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#### *Attention and Automaticity* (March 17)

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#### *Automaticity and Learning* (March 24)

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*Automaticity, the Stroop Task, and Its Relatives* (March 31)

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*Control of Attention* (April 7)

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- Meiran, N., Chorev, Z., & Sapir, A. (2000). Component processes in task switching. *Cognitive Psychology*, 41, 211-253.

### *Recommended Books*

- Broadbent, D. E. (1958). *Perception and communication*. London: Pergamon.
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- Cowan, N. (1995). *Attention and memory*. New York: Oxford University Press.
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