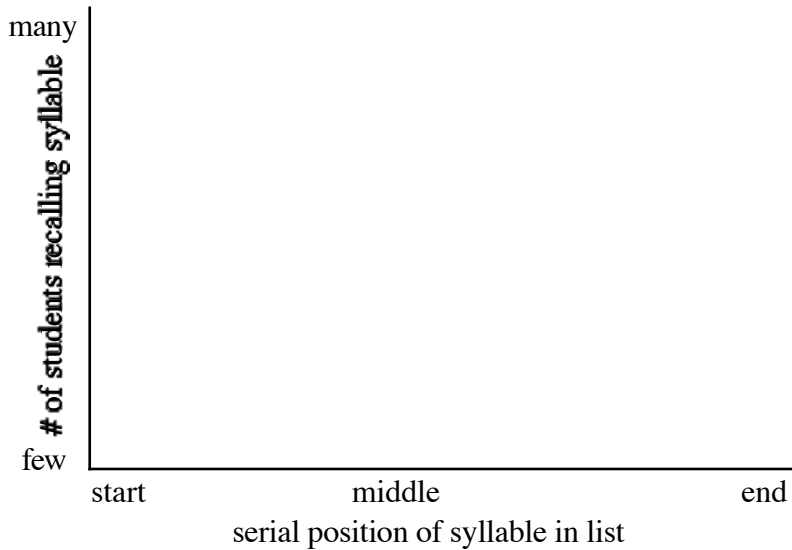


Let's start with some nonsense

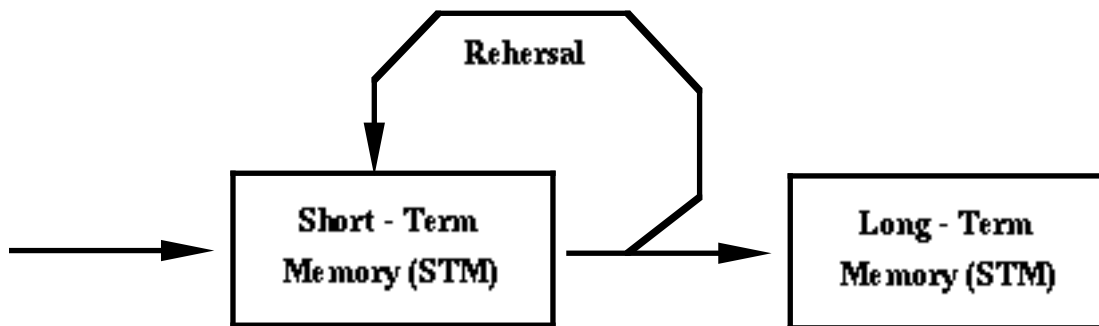
Serial position curves



Important Point #1: Capacity is limited

Important Point #2: The limits are not random

The Standard (if now out-dated) Model
(Waugh and Norman, 1965; Atkinson and Shiffrin, 1968)



How big is that STM?

Miller, G. A. (1956). The magical number seven, plus or minus two: some limits on our capacity for processing information. *Psychological Review*, 63, 81-97.

Chunking

Rehearsal: What is it good for?

What is a “semantic network”?

Some terms and distinctions to know

Priming

Implicit vs Explicit memory

Semantic vs Episodic memory

Mnemonics

Recall vs recognition

Picture memory – Why was that demo interesting?

Roediger, H. L., & McDermott, K. B. (1995). Creating false memories: Remembering words not presented in lists. *J. Experimental Psychology: Learning, Memory, and Cognition*, 21(4), 803-814.

If we have time, we will go on to: How does the brain do memory?

Two interesting patients

KC – what is his problem?

HM – What does the hippocampus do for you?

Big News (that we may not get to talk about)

Gould, E., Reeves, A. J., Graziano, M. S. A., & Gross, C. G. (1999). Neurogenesis in the neocortex of adult primates. *Science*, 286(5439 Issue of 15 Oct 199), 548 - 552.

Amnesia

Retrograde vs anterograde

Consolidation of memory

Maybe a word about electro-convulsive therapy (ECT)