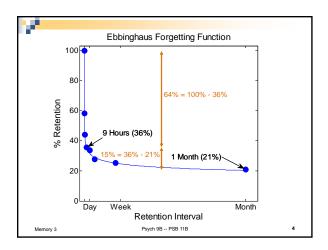


1

After learning a list of 30 nonsense syllables you are tested after either 9 hours or 1 month. Do you think you would forget more of the list in the first 9 hours or during the interval **between** 9 hours and 1 month?

- A. More forgotten in 9 hours than between 9 hours and 1 month.
- B. About the same amount forgotten in 9 hours than between 9 hours and 1 month.
- Less forgotten in 9 hours than between 9 hours and 1 month.

Memory 3 Psych 9B -- PSB 11B



Ebbinghaus's Other Contributions

- Memorization time increases sharply with the number of syllables
- Distributing learning over time is more effective than learning in a single session
- A small amount of initial practice leads to savings for later learning
- Continuing to practice material after it is "learned" enhances retention
- Primacy and recency effects
- Meaningful versus nonsense material

mory 3 Psych 9B -- PSB 11B

For the last slide I used decisions you might make while studying to illustrate some of Ebbinghaus's findings. Is that reasonable? How do we know that what he found *generalizes* to your study situation? After all he studied only himself over a century ago, using nonsense stimuli, in an artificial setting. Given what you know, would you consider altering your study habits based on Ebbinghaus's results?

A. Yes, definitely

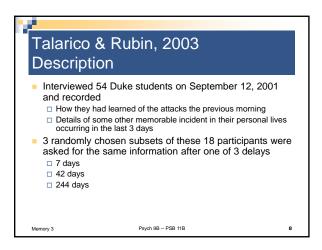
B. Possibly

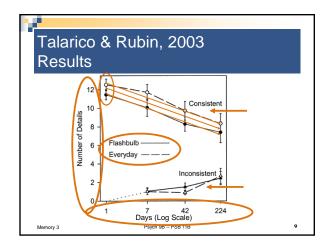
C. Probably not

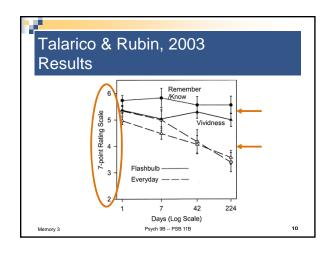
D. Definitely not

Memory 3 Psych 9B -- PSB 11B

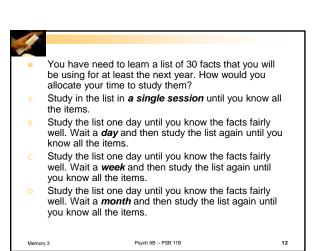
Internal and External Validity - External validity question How reasonable is it to generalize results from an experiment to other persons, places, times? Replication Proximal similarity - Internal validity question How reasonable is it to infer that the manipulation in an experiment caused an observed change? - Memory 3 - Peych 9B - PSB 11B - PSB 11B - PSB 11B

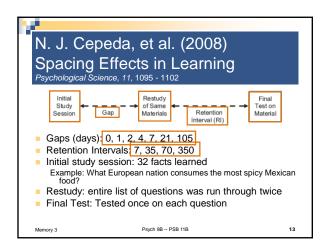


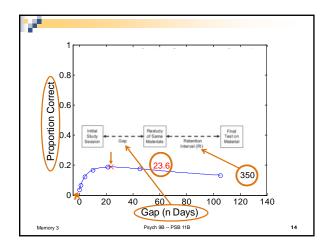


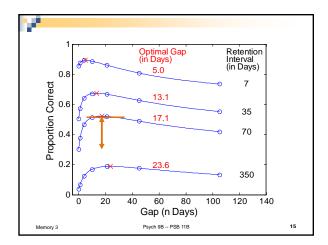


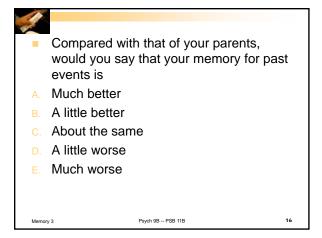
Summary: Transience Ebbinghaus first described the time course of transience. Our confidence in the generality of his results is increased by the many times they have been replicated using different materials, procedures, and participants. Transience occurs at the same rate for different materials Data about transience do not always match our intuitions

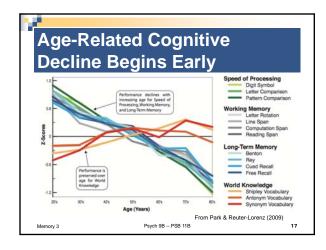


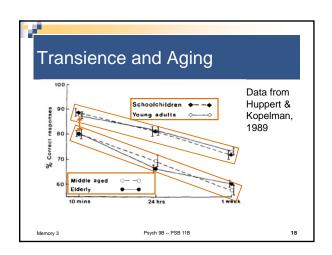














- Summary Question
 Which of the statements A-D below is false?
- A. Transience is the loss, over time, of information that had been stored in memory.
- Ebbinghaus studied transience under carefully controlled conditions but it has been replicated with more natural stimuli and conditions.
- Degree of transience depends on the content of a memory trace.
- D. Transience is influenced by aging.
- All of statements A D are correct.

Memory 3 Psych 9B -- PSB 11B

