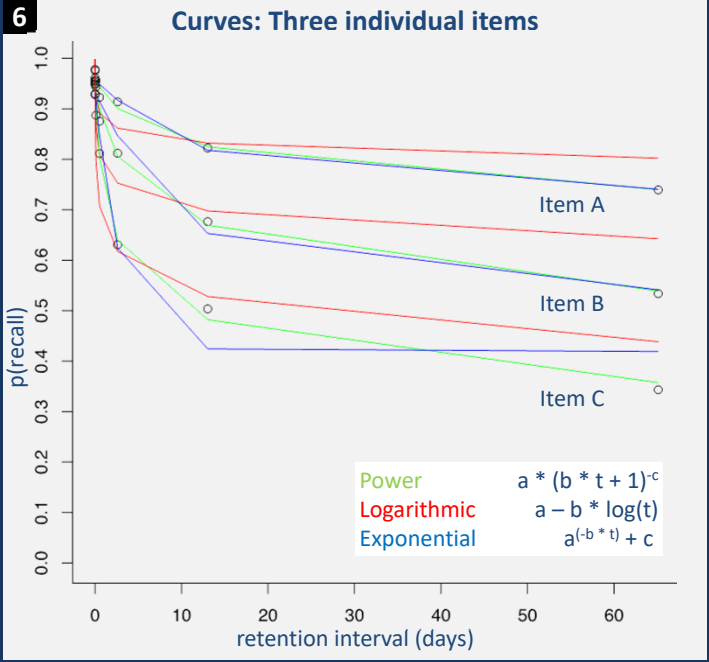
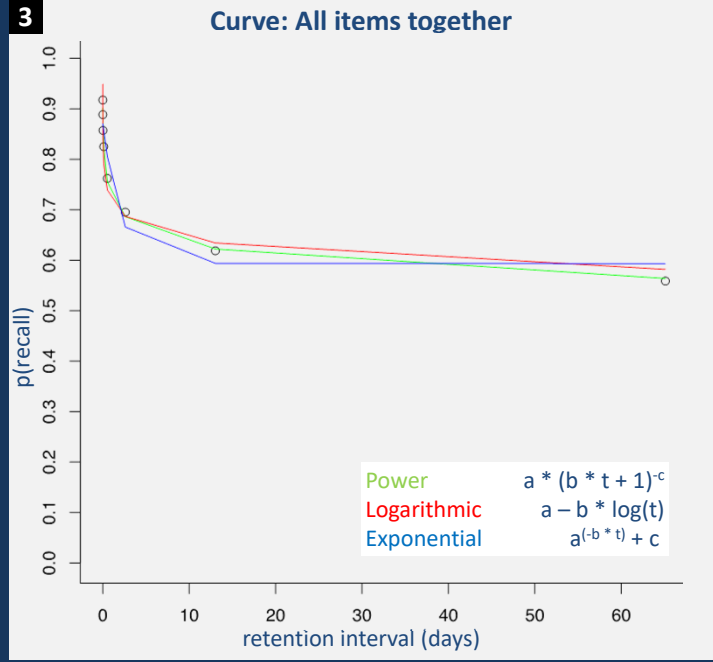




1 **Question**
What function best fits forgetting curves?

2 **Learner Experience**

The screenshot shows a learner's experience with a question: "What does frequent delivery allow an organization to do?". The answer options are: "Deliver the final product faster", "Create short-term deadlines to encourage the team to work harder", "Respond to changing priorities and feedback as they occur", and "I DON'T KNOW YET". The learner selected "Deliver the final product faster", which is marked as incorrect. The interface shows "IMMEDIATE" feedback, "SHORT DELAY" review, and "VARIABLE (LONGER) DELAY" review.



4 **What function fits best?**
 Non-linear sum of squares; residual standard error (RSE)
 Power RSE = .014
 Logarithmic RSE = .026
 Exponential RSE = .032

5 **Deeper dive**
 Consistent with lots of data (e.g., Ebbinghaus).
 But averaging exponential curves produces a power curve.
 One item at a time: Power still fits best (see #6 and #7).
 One person at a time: Power still fits best (not pictured).

7 **What functions fit best?**

Item A (N = 34,770)
 Power RSE = .016
 Logarithmic RSE = .044
 Exponential RSE = .018

Item B (N = 35,309)
 Power RSE = .018
 Logarithmic RSE = .082
 Exponential RSE = .031

Item C (N = 19,757)
 Power RSE = .017
 Logarithmic RSE = .084
 Exponential RSE = .055

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8 **Answer**
Power.