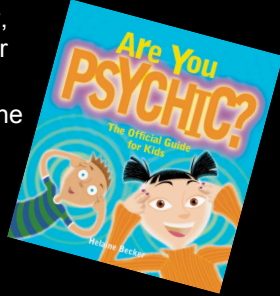


PSYC 001: General Psychology

- If this is your first day, see an instructor after class.
- There are copies of the syllabus on the table down at the front.
- Clickers are *still* optional (*til next week)



Psychic power is real.

- A. I strongly agree
- B. I agree
- C. I don't know
- D. I disagree
- E. I strongly disagree

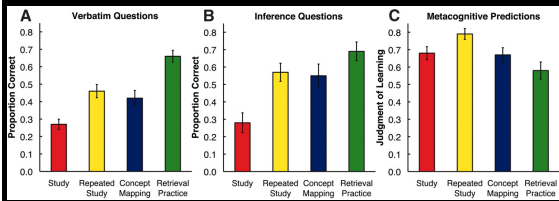
Today

- Finish up on Module 7
- Journal article on psychic phenomena
- Deadline for after-class Concept Check from last Thursday: due by 11:55 tonight.

Next Week

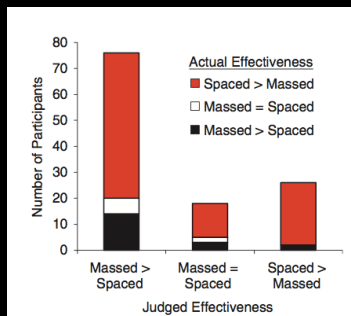
- **Monday:** Homework (Writing) Assignment, Set 2. Module 4: Brains, Bodies, & Behavior
- **Tuesday:** Finish memory, start Module 4.
- **Tuesday-Wednesday:** Quiz 2, Bb 2 (psychic-power journal article) and Module 7 (Memory)

Learning Through Testing



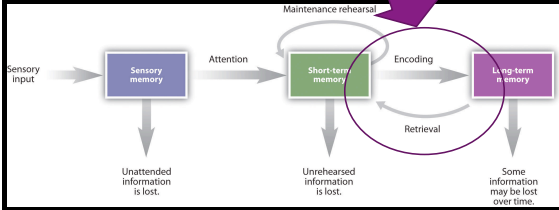
J D Karpicke, J R Blunt *Science* 2011;331:772-775

Massing v Spacing



Kornell & Bjork, 2008

Stages & Process (Fig 8.4)



Confidence?



Psychic power is real.

- A. I strongly agree
- B. I agree
- C. I don't know
- D. I disagree
- E. I strongly disagree

Anomalous

- Deviating from a general rule, method, or analogy
- Being out of keeping with accepted notions of fitness and order
- Inconsistent with what would naturally be expected

Ganzfeld procedure



psi?

- Storm, Tressoldi, Di Risio (2010)
- Bem & Honorton (1994)
 - Hyman & Honorton (1986)
- Alcock (2010)
- Bem (2011)
- Wiseman (forever)



Confidence Rating

How confident are you about what you wrote?

- A. Drew a blank (or didn't read it yet)
- B. Reasonably confident
- C. Quite confident
- D. SUPER confident
- E. Would bet my life on it, yep

Research Hypothesis, Variable (Mod 3, p. 19)

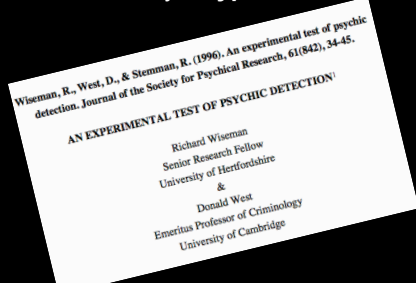
Hypothesis: *a precise statement of the presumed relationship among specific parts of a theory.*

Variable: *any attribute that can assume different values among different people or across different times or places*

Hypothesis?

Write down the study's hypothesis.

[Video](#)



1. What is Occam's Razor?



William of Occam

➤ *Pluralitas non est ponenda sine neccesitate --Entities should not be multiplied beyond necessity.*

➤ Isaac Newton: *We are to admit no more causes of natural things than such as are both true and sufficient to explain their appearances.*

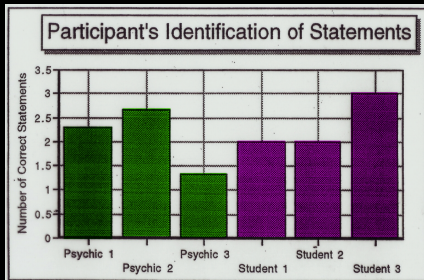
➤ For scientists: *When two competing theories make exactly the same predictions, the simpler one is preferred.*



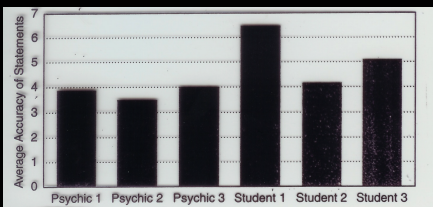
Confidence Rating

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Average number of correct statements selected by each participant for all three objects combined. The statements about a crime were chosen from a list of 18, 6 of which were correct (total possible correct = 6.)



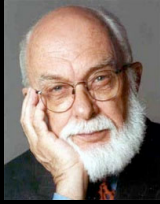
Comments Judged to Be Accurate. Average accuracy of unrestricted comments and statements made about crimes that were judged to be correct. Total possible was 7.

Psychics = 3.83 NOT a statistically significant difference!
Students = 5.63

Table 2 (article)

	Accuracy rating (min=0, max=7)	Number of statements	Group scores (min=0, max=7)
Psychic 1	3.87 (2.57)	15	3.83 (0.17)
Psychic 2	3.65 (1.83)	16	
Psychic 3	4.00 (1.96)	8	
Student 1	6.37 (0.64)	8	5.63 (1.28)
Student 2	4.14 (2.62)	7	
Student 3	5.10 (2.13)	5	

www.randi.org



James Randi: magician & skeptic

Next up

