

### Experimental Designs

Listed below are links to several short videos illustrating different topics of psychological research. Topics include effects of emotion on memory, time perception, personality of dogs, etc.

Watch the videos and choose *one* as a topic to develop a testable hypothesis. Then design a research study that tests this hypothesis. In designing the study, you should come up with an operational definition for the phenomenon of interest, what the population is, and how you intend to sample from that population. You will need to decide what sort of research methodology that you want to use and identify the variables of interest (independent & dependent measures). Identify at least one potential confounding variable that you should consider in designing your study.

Be sure to address the following points in your response:

- 1) The theory and your specific hypothesis
- 2) Population of interest, sample, method of sampling
- 3) Type of experimental design (quasi, true, longitudinal, cross-sectional)
- 4) Conditions of the study, method of assignment of subjects to conditions
- 5) Independent & dependent measures
- 6) Potential confound to consider in the design

Stress & Memory: <http://www.youtube.com/watch?v=ngdfTqfFIIQ>

Emotional Memory: <http://www.youtube.com/watch?v=3nppCqOf3xg>

Snakes on the Brain: <http://www.youtube.com/watch?v=-Ctwb0DDFYE>

Attention Training: <http://www.youtube.com/watch?v=dc5JrpV06kg>

Time Perception: <http://www.youtube.com/watch?v=f21ERcDBGeU>

Humor & Gender: <http://www.youtube.com/watch?v=ng1740iD6KQ>

Shopper's Mind: <http://www.youtube.com/watch?v=G0AmuvtDSbU>

Dog Personalities: <http://www.youtube.com/watch?v=HkOB05S0fP0>

Aspirin & Sex Drive: <http://www.youtube.com/watch?v=MFTGEGO-uTs>

Inherited Obesity: <http://www.youtube.com/watch?v=IERPkkraAqkq>

Virtual Alcohol Control: <http://www.youtube.com/watch?v=FWZAv8XPmdU>

Video Games & Multitasking: <http://www.youtube.com/watch?v=Fvu6miw1Q6A>

**Due in Section next week to your Section TA.**