

Using any of the variables listed on the next page, come up with THREE different research ideas.

What I'm looking for:

- a) A research title
- b) A hypothesis
- c) A design (independent variables [including levels] and dependent variables)
- d) A specific prediction concerning the outcome (based on your *intuitions*)

The due date for this assignment is one week from today.

**THREE OF MY EXAMPLES:**

- 1a. The Effects of Room Color on Algebra Performance.
- 1b. It is expected that the color of a classroom in which students learn algebra will influence how well they learn the material.
- 1c. The independent variable called ROOM COLOR will have three levels (red, grey, blue). The dependent variable PERFORMANCE will be measured by the percentage scores the students receive on their final exams.
- 1d. The prediction is that exam scores will be best in the warmer colored classroom (red) and worst in the cooler colored classroom (blue), whereas the exam scores from students in the neutral colored classroom will be in between the red and blue.
  
- 2a. The Relationship Between Cleanliness and Dating Frequency Among College Students.
- 2b. How clean or dirty a person is in their personal hygiene will be related to how often they get to go on romantic dates per month
- 2c. The independent variable CLEANLINESS will be determined by asking students how many showers and baths they take on average per month. The dependent variable DATING will be the students' answers to the question, "*How many dates do you go on in an average month?*"
- 2d. It is expected that the number of dates a person has in a month will increase relative to their level of cleanliness (number of showers or baths per month).
  
- 3a. Does Whispering Make People More or Less Believable?
- 3b. How secretive a person behaves might make people more likely to believe the information that person is saying.
- 3c. The independent variable PRESENTATION-MODE has two levels (secretive [whisper] and non-secretive [normal speaking voice]). The dependent variable will be subjects' 7-point rating of the believability of what they hear on a video recording of a person stating a factual message. The scale will be 1 = *not at all believable* to 7 = *definitely believable*.
- 3d. My prediction is that subjects will rate a message as more believable (true) on a 7-point scale when they watch a video of a person whispering compared with when they watch a video of a person telling the same information in a normal speaking voice.

<b>Environment</b>	<b>Task</b>	<b>Subject</b>
Amount-of-sleep	Aggression	Age
Amount-of-study-time	Attention	Beauty
Arousal	Attitudes	Disability
Audience	Balance	Education-level
Building-floor (location)	Body-temperature	Eye-color
Ceiling-height	Breathing-rate	Food-preference
Clothing-style	Distance-judgment	Gender
Day-of-week	Emotions	Geographic-location
Experimenter-appearance	Eye-blinking	Hair-length
Experimenter-attitude	Eye-contact-duration	Handedness
Familiarity-with-other	Eye-movements	Height
Hunger-level	Facial-expression	Intelligence/ability
Lighting	Hand/eye-coordination	Major-in-college
Nervousness	Heart-rate	Materialism
Noise-level	Humor-appreciation	Muscular-health
Number-of-doors	Instruction-following	Personal-interest
Number-of-people	Intelligence	Personal-space
Personal-space	Judgment-of-time	Personality-type
Physical-comfort	Memory	Political-beliefs
Presence-of-experimenter	Mood	Profession
Presence-of-odor	Pleasure	Race
Presentation-medium	Problem-solving	Religion
Room-location	Reaction-time	Sexual-orientation
Room-size	Reading-ability	Shoe-size
Room-temperature	Reading-speed	Smoking-preference
Seating-arrangement	Reflexes	Socioeconomic-status
Stress	Respiration	Study-habits
Time-of-day	Staring	Type-of-course-sampled
Type-of-lighting	Sympathy	Visual-acuity
Weather	Task-performance	Weight