

Experimental Study Design Exercise

Design a study to address a research question that can be answered by comparing means of two groups with different people that were randomly assigned to each group. (Hypothesis would be tested with an independent-samples t -test.)

Example questions (you may **not** use one of these for your study!):

- Does ostracism cause violence?
- What is the effect of sleep deprivation on multitasking performance?
- Which of two different classroom methods results in better learning?
- Does playing violent video games increase aggression?

Research question:

Alternative answers to the question and why they are plausible (believable):

(must be at least two alternatives—scenarios that would occur in different ways your question can be answered)

Variables:

IV →

DV →

Hypothesis:

Research hypothesis:

Logic:

(If ... then statements about what the data will look like in each of the alternative scenarios described above. You can draw pictures!)

