

Experiment 1:

Participants read three emails that ask for their assistance with a campus event. The first email contains abbreviations such as “How R U?”. The second email contains abbreviations and grammar and spelling errors. The third email has no abbreviations and uses correct grammar and spelling. Participants are asked to rate how much they would like to work with each of the authors of the email. Each participant is given the emails in a random order.

Independent variable and levels:

Dependent variable:

Design:

Experiment 2:

Participants have their reaction time tested. Half of the participants first drink a non-alcoholic beer and are told that it is alcoholic. The other half are given alcoholic beer and told that it is non-alcoholic. Only students who have had alcoholic beverages before and are over 21 are allowed to participate in the experiment.

Independent variable and levels:

Dependent variable:

Design:

Experiment 3:

There are three sessions for each participant. In one session, the participants see a 15-minute video about how to do a long jump. In another session, they are told to visualize doing a long jump for 15 minutes, and in a third session they are allowed to practice long jumping for 15 minutes. At the end of each session, they perform three long jumps, and the average is their score for that session. Sessions are randomly counterbalanced.

Independent variable and levels:

Dependent variable:

Design:

Experiment 4:

Participants are split into three groups. In one group, the participants see a 15-minute video about how to do a long jump. In the second group, they are told to visualize doing a long jump for 15 minutes, and the people in the third group are allowed to practice long jumping for 15 minutes. At the end of each session, all the participants perform three long jumps, and the average is their score for that session.

Independent variable and levels:

Dependent variable:

Design:

Experiment 5:

Participants are given two minutes to read a passage titled “Cognitive Dissonance” (from an introductory psychology textbook). The participants must then answer questions about the passage. The comprehension score is the number of questions they answer correctly. Half of the participants read text written in black on white paper, and the other half read the text written in red on gray paper.

Independent variable and levels:

Dependent variable:

Design: