

NEW!! Practice Research Designs and Analyses PREP for FINAL!!!

Tests

Chi Square
Regression
One-way repeated measures ANOVA
One-way randomized groups ANOVA
Complex (Repeated Measures) ANOVA
Independent samples t-test
Repeated measures t-test
Single group t-test
Correlation

Designs

Longitudinal
Cross-sectional
Successive independent samples
Independent Groups Design
Repeated Measures Design
Survey
Unobtrusive Measures
Complex Design
Participant Observation
Field Experiment
Structured Observation
Quasi-experimental Design
Single-Case Design
Case Study

1. Pictures in student yearbooks were evaluated to measure changes over the years in “formality” of student attire in such posed situations.

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

2. A representative of Student Government is interested in polling students’ opinions on the recent policy statements by the administration regarding restrictions on off-campus housing for students. She asks the campus post office to place the request for opinions in students’ mailboxes.

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

3. Before taking the Graduate Record Exam (GRE), a random sample of college seniors received special training on how to take the GRE. Their subsequent scores on the GRE were compared with previous national averages to test if the training produced better performance than in the past.

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

4. A social scientist cross-classifies the responses of 100 randomly selected people on the basis of gender and whether or not they favor strong gun-control laws..

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

5. As a first step toward achieving better grades by modifying his study habits, Phil keeps weekly records of his study time and his weekly quiz grades. He looks for a relationship between his performance as percent test scores and study time each week .

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

6. Assuming that, on average, a population of healthy young adults dreams 90 minutes each night, as inferred from a number of measures, including rapid eye movement, an investigator looks at coffee consumption just before sleep to see if it reduces dream time. He compares the mean dream time for 28 young adults in a random sample with the population mean.

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

7. Does the type of instruction in a college sociology class (either lecture or self-paced) and its grading policy (either letter, or pass/fail) influence the performance of students, as measured by the number of quizzes successfully completed during the semester? Six students are randomly assigned to each condition to examine this question.

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

8. Seventy high school students are randomly divided into two groups, designated to receive daily doses of 60 milligrams of either vitamin C or fake vitamin C to determine whether daily doses of this vitamin increase intellectual aptitude.

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

9. A school psychologist tests the effects of environmental noises on the reading comprehension scores of high school students who experience, with the customary controls, three different situations: silence, white noise, and rock music.

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

10. A researcher is investigating the physical characteristics that influence whether or not a person's face is judged as beautiful. The researcher selects a photograph of a woman and then creates two modifications of the photo by (1) moving the eyes slightly farther apart and (2) moving the eyes slightly closer together. The original photograph and the two modifications are then shown to a sample of $n = 150$ college students, and each student is asked to select the "most beautiful" of the three faces. The distribution of responses was as follows: Original Photo: 51; Eyes Moved Apart: 72; Eyes Moved Together: 27

Design: _____
Test: _____
Follow-up tests: _____
IV: _____
DV: _____

11. A public health investigator wishes to determine whether a new anti-smoking film reduces the daily consumption of cigarettes by heavy smokers. Daily cigarette consumption is compared for people before and after the film.

Design: _____

Test: _____

Follow-up tests: _____

IV: _____

DV: _____