

INTRODUCTION TO PSYCHOLOGY  
RESEARCH METHODOLOGY  
Chapter 1 - Pages 28-48

1. Outline and describe the six elements in the scientific method
2. Differentiate among types of research, observational, survey and experimental (See table on pg 42 for a good summary)
3. Correlational research:
  - A. difference between positive and negative correlations
  - B. what can we conclude from a correlation between variables
  - C. strength and interpretation of a correlation score
4. Experimental research:
  - A. identify each of the following components related to experimental research:
    - population
    - sample
    - hypothesis
    - independent variable
    - dependent variable
    - operational definitions
    - control group
    - experimental group
    - representative sample and random sample
    - random assignment
    - within subjects/between groups designs
    - placebo effect
5. Differentiate between experimenter effect and subject bias/Courtesy bias
6. Explain the structure of a double blind-experiment
7. Define and explain issues related to gender bias in research
8. Explain the ethical considerations in research
9. Differentiate among the six techniques for separating fact from fiction (pg 46)
10. Explain the Milgram shock study and the Zimbardo Prison study