

- IV. All About Variables
 - A. Dependent Variables
 - B. Independent Variables
 - C. The Relationship between Independent and Dependent Variables
- V. Other Important Types of Variables
- VI. Hypotheses
 - A. The Null Hypothesis
 - B. The Research Hypothesis
 - 1) The Nondirectional Research Hypothesis
 - 2) The Directional Research Hypothesis
 - C. Differences Between the Null Hypothesis and the Research Hypothesis
 - D. What Makes a “Good” Hypothesis?
- VII. Samples and Populations
- VIII. The Concept of Significance
- IX. The Research Process: Coming to Terms

IMPORTANT TERMS

1. Variable
2. Measurement
3. Dependent variable
4. Independent variable
5. Control variable
6. Extraneous variable
7. Moderator variable
8. Treatment variable
9. Factorial design
10. Confounding
11. Null hypothesis
12. Chance
13. Research hypothesis
14. Directional research hypothesis
15. Nondirectional research hypothesis
16. Population
17. Sample
18. Statistical significance
19. Significance level

LECTURE & DISCUSSION QUESTIONS

1. According to the text, independent variables should be independent of one another. Why is this an important part of examining the relationship between independent and dependent variables? Provide an example of how independent variables that are related may confound research findings.