

## **Research methods and statistics : a critical thinking approach**

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### **Abstrak**

#### **Synopsis**

Brief Contents 1. Thinking Like a Scientist. 2. Getting Started: Ideas, Resources, and Ethics. 3. Defining, Measuring, and Manipulating Variables. 4. Descriptive Methods. 5. Data Organization and Descriptive Statistics. 6. Correlational Methods and Statistics. 7. Probability and Hypothesis Testing. 8. Introduction to Inferential Statistics. 9. The Logic of Experimental Design. 10. Inferential Statistics: Two-Group Designs. 11. Experimental Designs with More Than Two Levels of an Independent Variable. 12. Complex Experimental Designs. 13. Quasi-Experimental and Single-Case Designs. 14. APA Communication Guidelines. 15. APA Sample Manuscript. Appendix A: Statistical Tables. Appendix B: Computational Formulas for ANOVAs. Appendix C: Answers to Odd-Numbered Chapter Exercises and All Review Exercises. Appendix D: Excel, SPSS, and TI84 Exercises. References. Glossary