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Section 28: Effect Size

1. 0.50. **2.** No. **3.** One. **4.** 1.40+. **5.** Large. **6.** When the control group's mean is higher than the experimental group's mean. **7.** Before. **8.** Answers may vary.

Answers to the Comprehensive Review Questions on pages 167–174 in the book

Section 1: The Empirical Approach to Knowledge

1. C. **2.** A. **3.** B. **4.** A. **5.** B.

Section 2: Types of Empirical Research

1. A. **2.** A. **3.** B. **4.** A. **5.** B.

Section 3: Introduction to Sampling

1. B. **2.** A. **3.** A. **4.** A. **5.** C.

Section 4: Scales of Measurement

1. D. **2.** A. **3.** C. **4.** B. **5.** A.

Section 5: Descriptive, Correlational, and Inferential Statistics

1. B. **2.** B. **3.** B. **4.** B. **5.** A.

Section 6: Frequencies, Percentages, and Proportions

1. B. **2.** B. **3.** A. **4.** B. **5.** A.

Section 7: Shapes of Distributions

1. A. **2.** B. **3.** B. **4.** A. **5.** B.

Section 8: The Mean: An Average

1. B. **2.** A. **3.** A. **4.** D. **5.** B.

Section 9: Mean, Median, and Mode

1. C. **2.** B. **3.** B. **4.** A. **5.** C.

Section 10: Range and Interquartile Range

1. A. **2.** B. **3.** B. **4.** A. **5.** B.

Section 11: Standard Deviation

1. A. **2.** A. **3.** B. **4.** A. **5.** C.

Section 12: Correlation

1. B. **2.** A. **3.** A. **4.** A. **5.** B.

Section 13: Pearson *r*

1. C. **2.** A. **3.** B. **4.** B. **5.** A.

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Section 14: Coefficient of Determination

1. A. **2.** B. **3.** A. **4.** D. **5.** A.

Section 15: Scattergram

1. B. **2.** B. **3.** B. **4.** B. **5.** A.

Section 16: Multiple Correlation

1. A. **2.** C. **3.** B. **4.** B. **5.** A.

Section 17: Variations on Random Sampling

1. B. **2.** B. **3.** B. **4.** D. **5.** A.

Section 18: Sample Size

1. A. **2.** B. **3.** A. **4.** A. **5.** A.

Section 19: Standard Error of the Mean

1. B. **2.** B. **3.** A. **4.** C. **5.** B.

Section 20: Introduction to the Null Hypothesis

1. B. **2.** A. **3.** B. **4.** A. **5.** A.

Section 21: Decisions About the Null Hypothesis

1. B. **2.** A. **3.** C. **4.** A. **5.** B.

Section 22: Introduction to the *t* Test

1. A. **2.** B. **3.** B. **4.** A. **5.** B.

Section 23: Reports of the Results of *t* Tests

1. B. **2.** B. **3.** A. **4.** A. **5.** B.

Section 24: One-Way ANOVA

1. B. **2.** A. **3.** B. **4.** B. **5.** A.

Section 25: Two-Way ANOVA

1. B. **2.** B. **3.** A. **4.** B. **5.** B.

Section 26: Chi-Square

1. A. **2.** C. **3.** A. **4.** A. **5.** A.

Section 27: Limitations of Significance Testing

1. B. **2.** A. **3.** A. **4.** A. **5.** A.

Section 28: Effect Size

1. A. **2.** B. **3.** A. **4.** A. **5.** A.

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