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	Computing Z-Scores for All Studentsfor the Madupistan Verbal TestComputing Raw Scores from Z-Scores; Comparing Your GPA of 3.10 from SolidState University with Pat's GPA of 1.95from Advanced Technical University; Each Z-Score for Any VariableCorresponds to a Particular Raw Score; Converting Z-Scores to Raw Scores(The Dorm Resident Example); A Real Research Example; Summary; Key Terms; chapter 4 Correlation; Correlations Are Summaries; Representing a Correlation Graphically; Representing a Correlation Mathematically; Return to Madupistan; Correlation Does Not Imply Causation A Real Research ExampleSummary; Key Terms; chapter 5 Statistical Prediction and Regression; Standardized Regression; Predicting Scores on Y with DifferentAmounts of Information; Beta Weight; Unstandardized Regression Equation; The Regression Line; Quantitatively Estimating the PredictivePower of Your Regression Model; Interpreting r2; A Real Research Example; Conclusion; Key Terms; chapter 6 The Basic Elements of Hypothesis Testing; The Basic Elements ofInferential Statistics; The Normal Distribution; A Real Research Example; Summary; Key Terms; chapter 7 Introduction to Hypothesis Testing The Basic Rationale of Hypothesis Testing; A Real Research Example; Summary; Key Terms; chapter 8 Hypothesis Testing if N > 1; The Distribution of Means; Steps in Hypothesis Testing if N > 1; Confidence Intervals; Real Research Example; Summary; Key Terms; chapter 9 Statistical Power; What Is Statistical Power; A neal Research Example; Summary; Key Terms chapter 10 t-tests (One-Sample and Within-Groups)
Sommario/riassunto	Straightforward Statistics: Understanding the Tools of Research is a clear and direct introduction to statistics for the social, behavioral, and life sciences. Based on the author's extensive experience teaching undergraduate statistics, this book provides a narrative presentation of the core principles that provide the foundation for modern-day statistics. With step-by-step guidance on the nuts and bolts of computing these statistics, the book includes detailed tutorials how to use state-of-the-art software, SPSS, to compute the basic statistics employed in modern academic and applied researc