



Multiple Regression and Beyond

By Keith, Timothy Z.

Pearson, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. a. The orientation of this book. i. Data. ii. Computer Analysis. b. Overview of the book. I. MULTIPLE REGRESSION. 1. Introduction and Simple (Bivariate) Regression. a. Simple (Bivariate) Regression. i. Example: Homework and Math Achievement. 1. The Data. 2. The Regression Analysis. 3. The Regression Equation. a. Interpretation. 4. The Regression Line. 5. Statistical Significance of Regression Coefficients. 6. Confidence Intervals. 7. The Standardized Regression Coefficient. b. Regression in Perspective. i. Relation of Regression to Other Statistical Methods. ii. Explaining Variance. iii. Advantages of Multiple Regression. c. Other Issues. i. Prediction versus Explanation. ii. Causality. d. Review of Some Basics. i. Variance and Standard Deviation. ii. Correlation and Covariance. e. Working with Extant Data Sets. f. Summary. g. Exercises. 2. Multiple Regression: Introduction. a. A New Example: Regressing Grades on Homework and Parent Education. i. The Data. ii. The Regression. 1. Multiple R. 2. Regression Coefficients. 3. Interpretation(s). a. Formal. b. Real World. b. Questions. i. Controlling for ellipsis; 1. Partial and Semipartial Correlations. ii. versus . iii. Comparison Across Samples. 1. Cautions. c. Direct Calculation of b and R². d. Summary....



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