BRIEF CONTENTS



Examples and Applications

	Pretace
Part I	The Linear Regression Model
Chapter 1	Appendix B Probability and Distribution To 12
Chapter 2	The Linear Regression Model 52 and notine and Appendix C
Chapter 3	Least Squares Regression 68 20 signated a xibnoqqA
Chapter 4	Estimating the Regression Model by Least Squares 94
Chapter 5	Hypothesis Tests and Model Selection 153
Chapter 6	Functional Form, Difference in Differences, and Structural Change 193
Chapter 7	Nonlinear, Semiparametric, and Nonparametric Regression Models 242
Chapter 8	Endogeneity and Instrumental Variable Estimation 282
Part II	Generalized Regression Model and Equation Systems
Chapter 9	The Generalized Regression Model and Heteroscedasticity 337
Chapter 10	Systems of Regression Equations 366
Chapter 11	Models for Panel Data 413
Part III	Estimation Methodology
Chapter 12	Estimation Frameworks in Econometrics 505
Chapter 13	Minimum Distance Estimation and the Generalized Method of Moments 528
Chapter 14	Maximum Likelihood Estimation 577
Chapter 15	Simulation-Based Estimation and Inference and Random Parameter Models 681
Chapter 16	Bayesian Estimation and Inference 734

Cross Sections, Panel Data, and Microeconometrics

765

Binary Outcomes and Discrete Choices

Chapter 17

4 **Brief Contents**

Multinomial Choices and Event Counts Chapter 18

Chapter 19 Limited Dependent Variables—Truncation, Censoring, and

Sample Selection 958

Part V **Time Series and Macroeconometrics**

Serial Correlation Chapter 20 1021

Chapter 21 Nonstationary Data 1062

References 1094

Index 1138

Part VI Online Appendices

Appendix A Matrix Algebra

Appendix B Probability and Distribution Theory B-1

Appendix C Estimation and Inference C-1

Appendix D Large-Sample Distribution Theory D-1

Appendix E Computation and Optimization E-1

Data Sets Used in Applications Appendix F F-1