

Contents

Chapter 1	INTRODUCTION	1
	1.1 The Nature of Statistics 1.2 Statistics and Econometrics 1.3 The Methodology of Econometrics	
<hr/>		
Chapter 2	DESCRIPTIVE STATISTICS	9
	2.1 Frequency Distributions 2.2 Measures of Central Tendency 2.3 Measures of Dispersion 2.4 Shape of Frequency Distributions	
<hr/>		
Chapter 3	PROBABILITY AND PROBABILITY DISTRIBUTIONS	33
	3.1 Probability of a Single Event 3.2 Probability of Multiple Events 3.3 Discrete Probability Distributions: The Binomial Distribution 3.4 The Poisson Distribution 3.5 Continuous Probability Distributions: The Normal Distribution	
<hr/>		
Chapter 4	STATISTICAL INFERENCE: ESTIMATION	62
	4.1 Sampling 4.2 Sampling Distribution of the Mean 4.3 Estimation Using the Normal Distribution 4.4 Confidence Intervals for the Mean Using the t Distribution	
<hr/>		
Chapter 5	STATISTICAL INFERENCE: TESTING HYPOTHESES	82
	5.1 Testing Hypotheses 5.2 Testing Hypotheses about the Population Mean and Proportion 5.3 Testing Hypotheses for Differences between Two Means or Proportions 5.4 Chi-Square Test of Goodness of Fit and Independence 5.5 Analysis of Variance	
<hr/>		
Statistics Examination	112
<hr/>		
Chapter 6	SIMPLE REGRESSION ANALYSIS	116
	6.1 The Two-Variable Linear Model 6.2 The Ordinary Least-Squares Method 6.3 Tests of Significance of Parameter Estimates 6.4 Test of Goodness of Fit and Correlation 6.5 Properties of Ordinary Least-Squares Estimators	
<hr/>		
Chapter 7	MULTIPLE REGRESSION ANALYSIS	142
	7.1 The Three-Variable Linear Model 7.2 Tests of Significance of Parameter Estimates 7.3 The Coefficient of Multiple Determination 7.4 Test of the Overall Significance of the Regression 7.5 Partial-Correlation Coefficients	
<hr/>		
Chapter 8	FURTHER TECHNIQUES AND APPLICATIONS IN REGRESSION ANALYSIS	164
	8.1 Functional Form 8.2 Dummy Variables 8.3 Distributed Lag Models 8.4 Forecasting	

CONTENTS

Chapter 9	PROBLEMS IN REGRESSION ANALYSIS	182
	9.1 Multicollinearity 9.2 Heteroscedasity 9.3 Autocorrelation 9.4 Errors in Variables	
<hr/>		
Chapter 10	SIMULTANEOUS-EQUATIONS METHODS	202
	10.1 Simultaneous-Equations Models 10.2 Identification 10.3 Estimation: Indirect Least Squares 10.4 Estimation: Two-Stage Least Squares	
<hr/>		
Econometrics Examination		216
<hr/>		
Appendix 1	BINOMIAL DISTRIBUTION	220
Appendix 2	POISSON DISTRIBUTION	223
Appendix 3	STANDARD NORMAL DISTRIBUTION	224
Appendix 4	TABLE OF RANDOM NUMBERS	225
Appendix 5	STUDENT'S <i>t</i> DISTRIBUTION	225
Appendix 6	CHI-SQUARE DISTRIBUTION	226
Appendix 7	F DISTRIBUTION	227
Appendix 8	DURBIN-WATSON STATISTIC	230
<hr/>		
INDEX		231
<hr/>		