

CONTENTS

	<i>Preface</i>	<i>page xi</i>
	<i>Figures</i>	<i>xiii</i>
1	The Scientific Study of Politics	1
	1.1 Overview	1
	1.2 “A Workbook? Why Is There a Workbook?”	1
	1.3 Getting Started with Stata	2
	1.3.1 Launching Stata	2
	1.3.2 Getting Stata to Do Things	3
	1.3.3 Initially Examining Data in Stata	8
	1.4 Exercises	8
2	The Art of Theory Building	10
	2.1 Overview	10
	2.2 Examining Variation Across Time and Across Space	10
	2.2.1 Producing a Bar Graph for Examining Cross-Section Variation	10
	2.2.2 Producing a Connected Plot for Examining Time-Series Variation	13
	2.3 Using Google Scholar to Search the Literature Effectively	14
	2.4 Wrapping Up	17
	2.5 Exercises	18
3	Evaluating Causal Relationships	19
	3.1 Overview	19
	3.2 Exercises	19
4	Research Design	22
	4.1 Overview	22
	4.2 Exercises	22
5	Measuring Concepts of Interest	24
	5.1 Overview	24
	5.2 Exercises	24

6	Getting to Know Your Data	27
	6.1 Overview	27
	6.2 Describing Categorical and Ordinal Variables	27
	6.3 Describing Continuous Variables	30
	6.4 Putting Statistical Output into Tables, Documents, and Presentations	33
	6.5 Exercises	34
7	Probability and Statistical Inference	36
	7.1 Overview	36
	7.2 Dice Rolling in Stata	36
	7.3 Dice Rolling in Excel	42
	7.4 Exercises	47
8	Bivariate Hypothesis Testing	49
	8.1 Overview	49
	8.2 Tabular Analysis	49
	8.2.1 Generating Test Statistics	50
	8.2.2 Putting Tabular Results into Papers	51
	8.3 Difference of Means	52
	8.3.1 Examining Differences Graphically	52
	8.3.2 Generating Test Statistics	53
	8.4 Correlation Coefficients	53
	8.4.1 Producing Scatter Plots	53
	8.4.2 Generating Covariance Tables and Test Statistics	54
	8.5 Exercises	56
9	Two-Variable Regression Models	58
	9.1 Overview	58
	9.2 Estimating a Two-Variable Regression	58
	9.3 Graphing a Two-Variable Regression	58
	9.4 Exercises	62
10	Multiple Regression: the Basics	63
	10.1 Overview	63
	10.2 Estimating a Multiple Regression	63
	10.3 From Regression Output to Table – Making Only One Type of Comparison	63
	10.3.1 Comparing Models with the Same Sample of Data, but Different Specifications	64
	10.3.2 Comparing Models with the Same Specification, but Different Samples of Data	65
	10.4 Standardized Coefficients	65
	10.5 Exercises	66

CONTENTS ix

11	Multiple Regression Model Specification	67
	11.1 Overview	67
	11.2 Dummy Variables	67
	11.2.1 Creating a Dummy Variable with the “generate” and “replace” Commands	67
	11.2.2 Estimating a Multiple Regression Model with a Single Dummy Independent Variable	69
	11.2.3 Estimating a Multiple Regression Model with Multiple Dummy Independent Variables	70
	11.3 Dummy Variables in Interactions	70
	11.4 Post-Estimation Diagnostics in Stata for OLS	72
	11.4.1 Identifying Outliers and Influential Cases in OLS	72
	11.5 Exercises	74
12	Limited Dependent Variables and Time-Series Data	76
	12.1 Overview	76
	12.2 Models with Dummy Dependent Variables	76
	12.3 Being Careful with Time-Series Data	80
	12.3.1 Setting Up a Time-Series Data Set in Stata	81
	12.3.2 Lag and Difference Operators in Stata	84
	12.3.3 Performing Time-Series Regression Analyses in Stata	85
	12.4 Exercises	87
	<i>Bibliography</i>	89
	<i>Index</i>	91