## Contents

1. Some Preliminaries	I
1.1 Defining Empirical Research	I Wish out
1.2 Conducting Empirical Research in a Wo	
Constraints  Conducting Empirical Descerabing a War	4 With Constraints 7
1.3 Conducting Empirical Research in a Wor	
1.4 (Revisiting) The Goals of Empirical Resear	irch 15
Part I. Designing Research	19
2. Questions, Theories, Observable Implicati	ons 23
2.1 Research Questions	23
2.2 Theories and their Observable Implication	ns 30
2.3 Rival Explanations	37
3. Measurement	41
3.1 Measuring Concepts	43
3.2 Evaluating Measures and Measurement M	ethods 46
Part II. Collecting and Coding Data	59
4. Collecting Data	63
4.1 Identifying the Target Population	63
4.2 Locating and Generating Data	65
4.3 Deciding How Much Data to Collect	85
5. Coding Data	95
5.1 Developing Coding Schemes	97
5.2 Assigning a Value to Each Unit Under Stu	106
Part III. Analyzing Data	117
6. Summarizing Data	119
6.1 Variables	
	I20
6.2 An Introduction to Tools for Summarizin	
6.3 Displays	124

## XiV CONTENTS

<ul><li>6.4 Descriptive Statistics</li><li>6.5 The Empirical Rule</li></ul>	130 138
7. Statistical Inference	143
7.1 The Logic of Statistical Inference	144
7.2 Confidence Intervals	149
7.3 Hypothesis Testing	155
7.4 Cross-Tabulation and Tests for Tables	165
8. Regression Analysis: The Basics	173
8.1 Lines and Linear Relationships	174
8.2 Ordinary Least Squares	176
8.3 Simple Linear Regression and Statistical Inference	182
9. Multiple Regression Analysis and Related Methods	193
9.1 Multiple Regression	195
9.2 Model Specification	205
9.3 Logistic Regression	212
Part IV. Communicating Data and Results	223
10. General Principles for Communicating and Visualizing	
Data and Results	229
10.1 General Principles for Communicating Data and Results	231
10.2 General Principles for Visualizing Data and Results	245
11. Strategies for Presenting Data and Statistical Results	259
11.1 Communicating Data	260
11.2 Presenting Results	278
12. Concluding Remarks	291
Appendix A Supplementary Materials	295
A.1 Additional Resources	295
A.2 Statistics Glossary	295
A.3 Statistical Notation	298
References	299
Index	217