



# Contents

Figures	ix
Preface	xi
<b>Introduction: Getting Started</b>	<b>xiii</b>
Datasets	xiv
<b>Chapter 1 Introduction to Stata</b>	<b>1</b>
Information about a Dataset	2
Information about Variables	2
Do-files	4
Log Files	4
Printing Results and Copying Output	5
<b>A CLOSER LOOK:</b> Weighting the gss2012 and nes2012 Datasets	7
Getting Help	8
Exercises	10
Notes	11
<b>Chapter 2 Descriptive Statistics</b>	<b>13</b>
Interpreting Measures of Central Tendency and Variation	13
Describing Nominal Variables	14
Describing Ordinal Variables	16
Describing Interval Variables	17
Obtaining Bar Charts and Histograms	21
Obtaining Case-Level Information with sort and list	25
Exercises	27
Notes	36
<b>Chapter 3 Transforming Variables</b>	<b>37</b>
Transforming Categorical Variables	38
Transforming Interval Variables	40
<b>A CLOSER LOOK:</b> The xtile Command	42
The label define and label values Commands	44
Creating an Additive Index	45

Creating Indicator Variables	47
Exercises	49
Notes	52
<b>Chapter 4 Making Comparisons</b>	<b>53</b>
Cross-Tabulation Analysis	53
Mean Comparison Analysis	55
<b>A CLOSER LOOK:</b> The format Command	57
<i>Graphing an Interval-Level Dependent Variable</i>	57
<i>Graphing a Categorical Dependent Variable</i>	61
<b>A CLOSER LOOK:</b> The replace Command	62
<i>Strip Charts: Graphs for Small-n Datasets</i>	63
Exercises	66
Notes	79
<b>Chapter 5 Making Controlled Comparisons</b>	<b>81</b>
Cross-Tabulation Analysis with a Control Variable	82
<b>A CLOSER LOOK:</b> The If Qualifier	84
<i>Bar Charts for Controlled Comparisons with a Categorical Dependent Variable</i>	86
Mean Comparison Analysis with a Control Variable	87
<i>An Example of Interaction</i>	87
<i>An Example of an Additive Relationship</i>	88
<i>Bar Charts and Box Plots for Controlled Mean Comparisons</i>	89
Exercises	91
Notes	101
<b>Chapter 6 Making Inferences about Sample Means</b>	<b>103</b>
Describing a Sample Mean	104
Testing the Difference between Two Sample Means	106
Extending the mean and lincom Commands	107
Exercises	109
Notes	112
<b>Chapter 7 Chi-Square and Measures of Association</b>	<b>113</b>
Analyzing Ordinal-Level Relationships	114
<i>Summary</i>	117
Analyzing an Ordinal-Level Relationship with a Control Variable	118
Analyzing Nominal-Level Relationships	120
Analyzing Unweighted Data with the tabulate Command	121
Exercises	122
Notes	129
<b>Chapter 8 Correlation and Linear Regression</b>	<b>131</b>
The correlate Command and the regress Command	131
<b>A CLOSER LOOK:</b> R-Squared and Adjusted R-Squared: What's the Difference?	134
Creating a Scatterplot with a Linear Prediction Line	135
Multiple Regression	136
<b>A CLOSER LOOK:</b> Bubble Plots	138

Correlation and Regression with Weighted Data	138
Exercises	140
Notes	147
<b>Chapter 9 Dummy Variables and Interaction Effects</b>	<b>149</b>
Regression with Dummy Variables	149
<b>A CLOSER LOOK:</b> The test Command	153
Interaction Effects in Multiple Regression	154
Graphing Linear Prediction Lines for Interaction Relationships	157
Exercises	160
Notes	166
<b>Chapter 10 Logistic Regression</b>	<b>167</b>
The logit Command and the logistic Command	168
Logistic Regression with Multiple Independent Variables	171
<b>A CLOSER LOOK:</b> The estimates Command and the lrtest Command	173
Working with Predicted Probabilities	175
<i>The margins Command with the atmeans Option</i>	176
<i>The margins Command with the over Option</i>	179
MERS-MEMS Hybrids	182
Exercises	182
Notes	187
<b>Chapter 11 Doing Your Own Political Analysis</b>	<b>189</b>
Five Doable Ideas	189
<i>Political Knowledge</i>	190
<i>Economic Performance and Election Outcomes</i>	190
<i>State Courts and Criminal Procedure</i>	190
<i>Electoral Turnout in Comparative Perspective</i>	191
<i>Congress</i>	191
Inputting Data	191
<i>Stata Formatted Datasets</i>	191
<i>Microsoft Excel Datasets</i>	192
Writing It Up	194
<i>The Research Question</i>	197
<i>Previous Research</i>	198
<i>Data, Hypotheses, and Analysis</i>	198
<i>Conclusions and Implications</i>	198
Notes	199