

320.072
JON
1987

Political Science Research Methods

ĐẠI HỌC QUỐC GIA HÀ NỘI
TRUNG TÂM THÔNG TIN THƯ VIỆN

A-DO/ 4584

Janet Buttolph Johnson
University of Delaware

Richard A. Joslyn
Temple University

Võ Cẩn Nhân
Hình Cẩn

~~KICBSH~~

Prentice-Hall of India Private Limited

New Delhi-110001

1987

KA 188

Contents

<i>Preface</i>	vii
1 Introduction	1
Automobile Safety Inspection Policy	3
Money in Congressional Elections	6
Foreign Investments	7
Busing	9
Notes	12
Terms Introduced	12
2 Studying Politics Scientifically	13
Characteristics of Scientific Knowledge	13
Acquiring Scientific Knowledge: Induction and Deduction	19
Can Politics Be Studied Scientifically?	22
Political Science as a Discipline	24
Conclusion	27
Notes	27
Terms Introduced	28
Suggested Readings	29
3 The Building Blocks of Social Scientific Research:	
<i>Hypotheses, Concepts, and Variables</i>	31
Specifying the Research Question	31
Proposing Explanations	33
Defining Concepts	37
Formulating Hypotheses	43
Conclusion	54
Notes	55
Terms Introduced	55
Exercises	56
Suggested Readings	57

4	<i>The Building Blocks of Social Scientific Research:</i>	
	<i>Measurement</i>	59
	Devising Measurement Strategies	59
	Examples of Political Measurement	61
	The Accuracy of Measurements	63
	The Precision of Measurements	73
	Multi-Item Measures	77
	Conclusion	81
	Notes	82
	Terms Introduced	83
	Exercises	84
	Suggesting Readings	84
5	<i>Research Design</i>	87
	Experimentation	88
	Experimental Designs	93
	Nonexperimental Designs	106
	Conclusion	114
	Notes	115
	Terms Introduced	115
	Exercises	117
	Suggested Readings	119
6	<i>Conducting a Literature Review</i>	121
	Reasons for a Literature Review	121
	Conducting a Literature Review	125
	Conclusion	132
	Notes	133
	Exercises	133
7	<i>Sampling</i>	135
	Population or Sample?	136
	The Basics of Sampling	137
	Types of Samples	139
	Sample Information	148
	Sampling Error	150
	Conclusion	151
	Notes	152
	Terms Introduced	153
	Exercises	155
	Suggested Readings	156

8	<i>Making Empirical Observations:</i>	
	<i>Survey Research and Elite Interviewing</i>	157
	Types of Data and Collection Techniques	157
	Survey Research	159
	Elite Interviewing	179
	Conclusion	183
	Notes	183
	Terms Introduced	188
	Suggested Readings	189
9	<i>Document Analysis: Using the Written Record</i>	191
	Types of Written Records	191
	Content Analysis	206
	Advantages and Disadvantages of the Written Record	214
	Conclusion	218
	Notes	218
	Terms Introduced	221
	Exercises	221
	Suggested Readings	221
10	<i>Observation</i>	223
	Direct Observation	224
	Indirect Observation	236
	Ethical Issues in Observation	239
	Conclusion	243
	Notes	244
	Terms Introduced	247
	Suggested Readings	247
11	<i>Univariate Data Analysis and Descriptive Statistics</i>	249
	Nominal Level Measures	250
	Ordinal Level Measures	254
	Interval and Ratio Level Measures	255
	The Normal Distribution	260
	Conclusion	263
	Notes	264
	Terms Introduced	264
	Exercises	265
	Suggested Readings	266
12	<i>Measuring Relationships and Testing Hypotheses:</i>	
	<i>Bivariate Data Analysis</i>	267
	Crosstabulation	269
	Difference of Means Test and Analysis of Variance	287

xii Contents

Regression and Correlation Analysis	291
Conclusion	305
Notes	305
Terms Introduced	306
Exercises	308
Suggested Readings	310
13 Searching for Complete Explanations and Causal Knowledge:	
Multivariate Data Analysis	311
Introduction	311
Multivariate Crosstabulation	314
Two-Way Analysis of Variance	322
Multiple Regression and Partial Correlation	325
Conclusion	331
Notes	333
Terms Introduced	333
Suggested Readings	334
14 The Research Report: An Annotated Example	335
Amtrak in the States	336
Conclusion	353
Exercises	354
Index	355

Tables and Figures

Tables

3-1	Concept Development: The Relation between Economic Development and Democracy	41
3-2	Voting by Blacks, Italians, and Others for a Female Candidate	53
4-1	Construct Validity of Graduate Record Examination Test Scores	69
4-2	Inter-Item Association Validity Test of a Measure of Liberalism	70
4-3	Index for Measuring Freedom in Nations	78
4-4	Guttman Scale of Attitudes toward Abortion	81
5-1	Mail Survey Incentive Experiment	98
5-2	Response Rates in Mail Survey Experiment	100
5-3	Water Conservation Test	101
5-4	Experimental Design of New Jersey Income Maintenance Experiment	103
6-1	Explanations of Political Efficacy Concepts Used as Independent Variables	125
7-1	Portion of a Random Numbers Table	140
7-2	Stratified Sample of Student Majors	144
7-3	The Relationship between Sample Size and Sampling Error	151
9-1	Presidential Personality Types	198
9-2	Coding Sheet for Hypothetical Content Analysis of Presidential Campaign Coverage	209
11-1	A Frequency Distribution: Two Examples	251
11-2	Frequency Distribution, Proportion, and Percentage for Delegate Votes, 1984 Democratic National Convention	252