

DETAILED CONTENTS

Series Editor Introduction	xi
Preface	xiii
Acknowledgments	xv
About the Author	xvii
Chapter 1: Introduction to Survey Sampling	1
Chapter 2: Simple Random Sampling	9
Chapter 3: Systematic Sampling	19
Chapter 4: Stratification	23
Proportionate Stratification	24
Disproportionate Stratification	28
Choice of Strata	31
Poststratification	32
Chapter 5: Cluster and Multi-Stage Sampling	35
Chapter 6: Probability Proportional to Size Sampling	45
Chapter 7: Other Probability Designs	55
Two-Phase Sampling	55
Dual-Frame Sampling	57
Replicated Sampling	59
<i>Studying Nonsampling Errors</i>	59
<i>Estimating Sampling Errors</i>	61
<i>Controlling Sample Size or Cost</i>	63
Designs for Surveys Over Time	63
Responsive and Adaptive Designs	69
Chapter 8: Sampling Frames	71
Missing Elements	72
Clusters	73

Blanks and Foreign Elements	76
Duplicate Listings	77
Unlocatable Listings	78
Address-Based Sampling	78
Sampling for Telephone Surveys	81
Chapter 9: Nonresponse	85
Unit Nonresponse	85
Item Nonresponse	88
Chapter 10: Base Weights	91
Chapter 11: Compensating for Missing Data	97
Nonresponse Weighting Adjustments	97
Calibration Adjustments	100
Imputation	103
Chapter 12: Variance Estimation	107
The Taylor Series Linearization Method	111
Balanced Repeated Replications	111
Jackknife Repeated Replications	113
The Bootstrap	114
Some General Issues	115
Chapter 13: Sample Size	117
Chapter 14: Examples of National Probability Sample Designs	123
National Household Surveys in Sub-Saharan Africa	123
The 2016 American National Election Study	127
<i>The Internet Sample</i>	127
<i>The Face-to-Face Interview Sample</i>	128
The 2017 California Health Interview Survey	130
The American Community Survey	132
Chapter 15: Nonprobability Sampling	135
Quota Sampling	138
Sampling Methods for “Hard-to-Survey” Populations	139
Sampling Methods for Internet Surveys	143
Small-Area Estimation	145
Chapter 16: Concluding Remarks	147
References	149
Index	157