Contents

	Foreword xix	Secondary Data Analysis 37
	Preface xxi	Qualitative Research 39
	Acknowledgments xxvii	Environmental Context of the Problem 39
	Author Biography xxix	Past Information and Forecasts 40
		Resources and Constraints 40
■ Part		Objectives 41
	of Marketing Research 1	Buyer Behavior 41
		Legal Environment 42
Chapter	Introduction to Marketing Research 2	Economic Environment 42
1	Objectives 2	Marketing and Technological Skills 42
	Overview 3	Management Decision Problem and Marketing
	Definition of Marketing Research 6	Research Problem 43
	A Classification of Marketing Research 7	Defining the Marketing Research Problem 44
	Marketing Research Process 9	Components of the Approach 47
	Step 1: Problem Definition 9	Objective/Theoretical Framework 47
	Step 2: Development of an Approach	Analytical Model 47
	to the Problem 10	Research Questions 48
	Step 3: Research Design Formulation 10	Hypotheses 49
	Step 4: Fieldwork or Data Collection 10	Specification of Information Needed 51
	Step 5: Data Preparation and Analysis 10	International Marketing Research 53
	Step 6: Report Preparation and Presentation 11	Ethics in Marketing Research 55
		Internet and Computer Applications 56
	The Nature of Marketing Research 11	Discussions with Decision Makers 56
	Marketing Research Suppliers and Services 14	Interviews with Industry Experts 56
	Selecting a Research Supplier 18	Secondary Data Analysis and Qualitative Research 56
	Careers in Marketing Research 19	
	The Role of Marketing Research in MIS and DSS 20	Environmental Context of the Problem 56
	International Marketing Research 23	SPSS Windows 57
	Ethics in Marketing Research 24	Summary 58
	Internet and Computer Applications 25	Key Terms and Concepts 59
	SPSS Windows 26	Exercises 59
	Summary 28	Internet and Computer Exercises 60
	Key Terms and Concepts 28	Activities 60
	Exercises 28	
	Internet and Computer Exercises 29	
	Activities 29	Cases for Part I
		1.1: Life in the Fast Lane: Fast-Food Chains Race to Be Number One 61
Chapter 2	Defining the Marketing Research Problem and Developing an Approach 30	1.2: Nike Sprints Ahead of the Competition, Yet Has a Long Way to Run 63
Acrosq	Objectives 30	1.3: Lexus: Imparting Value to Luxury and
	Overview 31	Luxury to Value! 64
	Importance of Defining the Problem 33	
	The Process of Defining the Problem and	Video Cases for Part I
	Developing an Approach 33	1.1: Burke: Learning and Growing Through
	Tasks Involved 34	Marketing Research 67
	Discussions with Decision Makers 34	1.2: Accenture: The Accent Is in the
	Interviews with Industry Experts 37	Name 69

■ Part	II Research Design Formulation 71		Published External Secondary Sources 110 General Business Data 110 Government Sources 111
Chanter	Research Design 72		
3	Objectives 72		Computerized Databases 112 Classification of Computerized
	Overview 73		Databases 112
	Research Design: Definition 74		Directories of Databases 113
	Research Design: Classification 75		Syndicated Sources of Secondary Data 114
	Exploratory Research 76		Syndicated Data From Households 115
	Descriptive Research 78		Surveys 115
	Cross-Sectional Designs 80		Purchase and Media Panels 117
	Longitudinal Designs 82		Electronic Scanner Services 120
	Relative Advantages and Disadvantages		Syndicated Data From Institutions 122
	of Longitudinal and Cross-Sectional		Retailer and Wholesaler Audits 122
	Designs 83 Causal Research 85		Industry Services 123
	Relationships Among Exploratory, Descriptive,		Combining Information From Different Sources: Single-Source Data 124
	and Causal Research 86		9
	Potential Sources of Error 89		International Marketing Research 126
	Random Sampling Error 89		Ethics in Marketing Research 127
	Nonsampling Error 90		Internet and Computer Applications 128 The World Wide Web as an Online Source
	Budgeting and Scheduling the Project 92		of Secondary Data 128
	Marketing Research Proposal 92		Internal Secondary Data 129
	International Marketing Research 93		General Business Sources 129
	Ethics in Marketing Research 94		Government Data 129
	Internet and Computer Applications 95		Computerized Databases 130
	Exploratory Research 95		Syndicated Sources of Information 130
	Conclusive Research 95		International Secondary Data 130
	Summary 97		SPSS Windows 130
	Key Terms and Concepts 98		Summary 132
	Exercises 98		Key Terms and Concepts 132
	Internet and Computer Exercises 98		Exercises 132
	Activities 99		Internet and Computer Exercises 133
			Activities 133
Chapter	Exploratory Research Design: Secondary		
4	Data 100	Chapter	Exploratory Research Design: Qualitative
~ X	Objectives 100	5	Research 134
	Overview 101	J	Objectives 134
	Primary Versus Secondary Data 102		Overview 135
	Advantages and Uses of Secondary Data 103		Primary Data: Qualitative Versus Quantitative
	Disadvantages of Secondary Data 103		Research 136
	Criteria for Evaluating Secondary Data 103		Rationale for Using Qualitative Research 138
	Specifications: Methodology Used to Collect the Data 104		A Classification of Qualitative Research Procedures 138
	Error: Accuracy of the Data 104		Focus Group Interviews 139
	Currency: When the Data Were Collected 105		Characteristics 140 Planning and Conducting Focus
	Objective: The Purpose for Which the Data Were Collected 105		Groups 141 Other Variations in Focus Groups 145
	Nature: The Content of the Data 106		Advantages and Disadvantages of Focus
	Dependability: How Dependable Are the Data? 106		Groups 146 Applications of Focus Groups 147
	Classification of Secondary Data 107		Depth Interviews 147

Characteristics 147

Techniques 149

Internal Secondary Data 108

Database Marketing 108

CONTENTS хi

	Advantages and Disadvantages of Depth		Control of Field Force 182
	Interviews 150		Quantity of Data 182
	Applications of Depth Interviews 150		Response Rate 183
	Projective Techniques 151		Perceived Anonymity 183
	Association Techniques 151		Social Desirability/Sensitive Information
	Completion Techniques 152		183
	Construction Techniques 154		Potential for Interviewer Bias 184
	Expressive Techniques 155		Speed 184
	Advantages and Disadvantages of Projective		Cost 184
	Techniques 157		Selection of Survey Method(s) 185
	Applications of Projective Techniques 157		Observation Methods 186
	International Marketing Research 158		Structured Versus Unstructured
	Ethics in Marketing Research 159		Observation 186
	Internet and Computer Applications 160 The Internet and Focus Group		Disguised Versus Undisguised Observation 186
	Interviews 160		Natural Versus Contrived Observation 186
	Advantages 161		Observation Methods Classified by Mode of
	Disadvantages 161		Administration 187
	Uses 162		Personal Observation 187
	Summary 164		Mechanical Observation 188
	Key Terms and Concepts 164		Audit 189
	Exercises 164		Content Analysis 189
	Activities 165		Trace Analysis 190
			A Comparative Evaluation of Observation Methods 191
Chapter	Descriptive Research Design: Survey and Observation 166		A Comparison of Survey and Observation Methods 192
6	Objectives 166		Relative Advantages of Observation 193
	Overview 167		Relative Disadvantages of Observation
	Survey Methods 168		193
	Survey Methods Classified by Mode of Administration 170		International Marketing Research 193 Selection of Survey Methods 194
	Telephone Methods 170		Ethics in Marketing Research 195
	Traditional Telephone Interviews 170		Internet and Computer Applications 196
	Computer-Assisted Telephone Interviewing 170		Summary 200 Key Terms and Concepts 200
	Personal Methods 172		1
	Personal In-Home Interviews 172		Exercises 200
	Mall Intercept Personal Interviews 172		Internet and Computer Exercises 201
	Computer-Assisted Personal Interviewing (CAPI) 173		Activities 201
	Mail Methods 174	Chapter	Causal Research Design:
	Mail Interviews 174		Experimentation 202
	Mail Panels 176	7	Objectives 202
	Electronic Methods 176		Overview 203
	E-mail Interviews 176		Concept of Causality 204
	Internet Interviews 177		Conditions for Causality 205
	A Comparative Evaluation of Survey Methods		Concomitant Variation 205
	178		Time Order of Occurrence of Variables
	Flexibility of Data Collection 178		206 Absonge of Other Possible Causel Factors
	Diversity of Questions 178		Absence of Other Possible Causal Factors 206
	Use of Physical Stimuli 180		Role of Evidence 207
	Sample Control 180		Definitions and Concepts 207
	Control of the Data-Collection Environment 182		Definition of Symbols 209
	104		Deminon of Chinon 200

Chapter 8

Validity in Experimentation 209		Overview 235
Internal Validity 209		Measurement and Scaling 236
External Validity 209		Primary Scales of Measurement 236
Extraneous Variables 210		Nominal Scale 236
History 210		Ordinal Scale 238
Maturation 210		Interval Scale 239
Testing Effects 210		Ratio Scale 241
Instrumentation 211		A Comparison of Scaling Techniques 241
Statistical Regression 211		Comparative Scaling Techniques 242
Selection Bias 211		Paired Comparison Scaling 242
Mortality 212		Rank Order Scaling 244
Controlling Extraneous Variables 212		Constant Sum Scaling 246
Randomization 212		Q-Sort and Other Procedures 247
Matching 212		International Marketing Research 247
Statistical Control 212		Ethics in Marketing Research 248
Design Control 213		Internet and Computer Applications 249
A Classification of Experimental Designs 213		SPSS Windows 250
Preexperimental Designs 214		Summary 252
One-Shot Case Study 214		Key Terms and Concepts 252
One-Group Pretest-Posttest Design 214		Exercises 252
Static Group Design 215		Internet and Computer Exercises 253
True Experimental Designs 215		Activities 253
Pretest-Posttest Control Group Design 216		
Posttest-Only Control Group Design 216		
Quasi-Experimental Designs 217	Chapter	Measurement and Scaling: Noncomparative
Time Series Design 217	•	Scaling Techniques 254
Multiple Time Series Design 218	9	Objectives 254
Statistical Designs 220		Overview 255
Randomized Block Design 220		Noncomparative Scaling Techniques 256
Latin Square Design 220		Continuous Rating Scale 256
Factorial Design 221		Itemized Rating Scales 257
Laboratory Versus Field Experiments 222		Likert Scale 258
Experimental Versus Nonexperimental Designs		Semantic Differential Scale 259
223		Stapel Scale 261
Limitations of Experimentation 224		Noncomparative Itemized Rating Scale
Time 224		Decisions 261
Cost 224		Number of Scale Categories 262
Application Test Marketing 924		Balanced Versus Unbalanced Scales 262
Application: Test Marketing 224 Standard Test Market 224		Odd or Even Number of Categories 262
Controlled Test Market 226		Forced Versus Nonforced Scales 263
Simulated Test Market 226		Nature and Degree of Verbal Description
		263
International Marketing Research 226 Ethics in Marketing Research 227		Physical Form or Configuration 263
Internet and Computer Applications 228		Multiitem Scales 263 Scale Evaluation 266
Summary 231		
Key Terms and Concepts 231		Measurement Accuracy 266
Exercises 232		Reliability 267
Internet and Computer Exercises 232		Validity 269 Polationship Between Polishility and
Activities 233		Relationship Between Reliability and Validity 270
monues 200		Generalizability 270
Measurement and Saaling From dam antalo and		Choosing a Scaling Technique 270
Measurement and Scaling: Fundamentals and Comparative Scaling 234		Mathematically Derived Scales 271
Objectives 234		International Marketing Research 271
o Special 404		manimum manamis modalii 411

CONTENTS xiii

Ethics in Marketing Research 272		Pretesting 301
Internet and Computer Applications 273		Observational Forms 302
SPSS Windows 274		International Marketing Research 302
Summary 276		Ethics in Marketing Research 305
Key Terms and Concepts 276		Internet and Computer Applications 306
Exercises 276		SPSS Windows 307
Internet and Computer Exercises 277		Summary 309
Activities 277		Key Terms and Concepts 309 Exercises 309
Questionnaire and Form Design 278		Internet and Computer Exercises 311
Objectives 278		Activities 311
Overview 279		
Questionnaires and Observation Forms 280	Chapter	Sampling: Design and Procedures 312
Questionnaire Definition 280		Objectives 312
Objectives of a Questionnaire 281	11	Overview 313
Questionnaire Design Process 281		Sample or Census 314
Specify the Information Needed 281		The Sampling Design Process 315
Type of Interviewing Method 282		1 0 0
Individual Question Content 284		Define the Target Population 315
Is the Question Necessary? 284		Determine the Sampling Frame 316
Are Several Questions Needed Instead of		Select a Sampling Technique 317
One? 284		Determine the Sample Size 318
Overcoming Inability to Answer 285		Execute the Sampling Process 319
Is the Respondent Informed? 285		A Classification of Sampling Techniques 320
Can the Respondent Remember? 286		Nonprobability Sampling Techniques 321
Can the Respondent Articulate? 287		Convenience Sampling 321
Overcoming Unwillingness to Answer 287		Judgmental Sampling 322
Effort Required of the Respondents 287		Quota Sampling 323
Context 287		Snowball Sampling 324
Legitimate Purpose 288		Probability Sampling Techniques 325
Sensitive Information 288		Simple Random Sampling 325
Increasing the Willingness of Respondents		Systematic Sampling 326
288		Stratified Sampling 327
Choosing Question Structure 289		Cluster Sampling 328
Unstructured Questions 289		Other Probability Sampling Techniques
Structured Questions 290		330
Choosing Question Wording 292		Choosing Nonprobability Versus Probability Sampling 331
Define the Issue 292		Uses of Nonprobability and Probability
Use Ordinary Words 293		Sampling 334
Use Unambiguous Words 294		International Marketing Research 334
Avoid Leading or Biasing Questions 295		Ethics in Marketing Research 335
Avoid Implicit Alternatives 295		Internet and Computer Applications 335
Avoid Implicit Assumptions 295		Summary 338
Avoid Generalizations and Estimates 296		Key Terms and Concepts 338
Dual Statements: Positive and Negative		Exercises 338
296		Internet and Computer Exercises 339
Determining the Order of Questions 296		Activities 339
Opening Questions 296		Activities 222
Type of Information 297		
Difficult Questions 297	Chapter	Sampling: Final and Initial Sample Size
Effect on Subsequent Questions 297	•	Determination 340
Logical Order 298	12	Objectives 340
Form and Layout 298		Overview 341
Reproduction of the Questionnaire 300		Definitions and Symbols 342
~		<i>'</i>

Chapter 10

CONTENTS xiv

	The Sampling Distribution 342		The Nature of Fieldwork 388
	Statistical Approach to Determining Sample		Fieldwork/Data-Collection Process 388
	Size 344		Selection of Field Workers 389
	The Confidence Interval Approach 345		Training of Field Workers 390
	Sample Size Determination: Means 346		Making the Initial Contact 390
	Sample Size Determination: Proportions 348		Asking the Questions 390 Probing 390
	Multiple Characteristics and Parameters 351		Recording the Answers 391
	Other Probability Sampling Techniques 351		Terminating the Interview 391
	Adjusting the Statistically Determined Sample Size 352		Supervision of Field Workers 392 Quality Control and Editing 392
	Nonresponse Issues in Sampling 353		Sampling Control 393
	Improving the Response Rates 353		Control of Cheating 393
	Adjusting for Nonresponse 356		Central Office Control 393
	International Marketing Research 358		Validation of Fieldwork 393
	Ethics in Marketing Research 359		Evaluation of Field Workers 393
	Internet and Computer Applications 360		Cost and Time 393
	Improving Response Rates 361		Response Rates 394
	SPSS Windows 361		
	Summary 363		
	Key Terms and Concepts 363		Quality of Data 394
	Exercises 363		International Marketing Research 395
	Internet and Computer Exercises 364		Ethics in Marketing Research 395 Internet and Computer Applications 396
	Activities 364		SPSS Windows 397
	Appendix 12.1 364		Summary 398
			Key Terms and Concepts 399
	Cases for Part II		Exercises 399
			Internet and Computer Exercises 399
	2.1: The Forecast Is Sunny for The Weather Channel! 367		Activities 399
	2.2: Who Is the Host with the Most? 368		
	2.3: Candy Is Dandy for Hershey 370	Chapter	•
	2.4: Fragrances Are Sweet, But Competition Is	14	Objectives 400
	Bitter 373		Overview 401
	2.5: Is Super Bowl Advertising Super Effective?		The Data-Preparation Process 402
	376		Questionnaire Checking 403
	Video Cases for Part II		Editing 403 Treatment of Unsatisfactory Responses
	2.1: Starbucks: Staying Local While Going		403
	Global Through Marketing Research		Coding 404
	379		Coding Questions 405
	2.2: Nike: Associating Athletes, Performance,		Codebook 407
	and the Brand 380		Transcribing 407
	2.3: Intel: Building Blocks Inside Out 381		Data Cleaning 409
	2.4: Nivea: Marketing Research Leads to		Consistency Checks 409
	Consistency in Marketing 383		Treatment of Missing Responses 410
			Statistically Adjusting the Data 411
			Weighting 411
■ Part	III Data Collection, Preparation,		Variable Respecification 413
	Analysis, and Reporting 385		Scale Transformation 414
			Selecting a Data Analysis Strategy 414
Chapter	Fieldwork 386		A Classification of Statistical Techniques 416
13	Objectives 386		International Marketing Research 418
	Overview 387		Ethics in Marketing Research 419

CONTENTS

Internet and Computer Applications 420 SPSS Windows 421		Two Independent Samples 455 Paired Samples 457
Summary 422		Internet and Computer Applications 460
Key Terms and Concepts 422		SPSS Windows 461
Exercises 422		Summary 462
Internet and Computer Exercises 423		Key Terms and Concepts 463
Activities 423		Exercises 463
Activities 129		
Fraguen on Distribution Cross Tabulation and		Internet and Computer Exercises 464 Activities 465
Frequency Distribution, Cross-Tabulation, and Hypothesis Testing 424		neuotites 105
Objectives 424		
Overview 425	Chapter	Analysis of Variance and Covariance 466
Frequency Distribution 427	16	Objectives 466
Statistics Associated with Frequency	10	Overview 467
Distribution 430		Relationship Among Techniques 469
Measures of Location 430		One-Way Analysis of Variance 470
Measures of Variability 431		Statistics Associated with One-Way Analysis
Measures of Shape 432		of Variance 471
Introduction to Hypothesis Testing 433		Conducting One-Way Analysis of Variance
A General Procedure for Hypothesis Testing		471
433		Identify the Dependent and Independent Variables 471
Step 1: Formulate the Hypotheses 434		Decompose the Total Variation 471
Step 2: Select an Appropriate Test 435		Measure the Effects 473
Step 3: Choose Level of Significance, α 435		Test the Significance 473
Step 4: Collect Data and Calculate Test		Interpret the Results 474
Statistic 436		Illustrative Data 474
Step 5: Determine the Probability (Critical Value) 437		Illustrative Applications of One-Way Analysis of Variance 474
Steps 6 and 7: Compare the Probability		Assumptions in Analysis of Variance 477
(Critical Value) and Make the Decision		N-Way Analysis of Variance 478
437		Illustrative Application of N-Way Analysis of
Step 8: Marketing Research Conclusion 437		Variance 480 Analysis of Covariance 483
Cross-Tabulations 438		Issues in Interpretation 484
Two Variables 439		Interactions 484
Three Variables 440		Relative Importance of Factors 485
General Comments on Cross-Tabulation 443		Multiple Comparisons 486
Statistics Associated with Cross-Tabulation 443		Repeated Measures ANOVA 486
Chi-Square 444		Nonmetric Analysis of Variance 487
Phi Coefficient 445		Multivariate Analysis of Variance 487
Contingency Coefficient 446		Internet and Computer Applications 488
Cramer's V 446		SPSS Windows 489
Lambda Coefficient 446		Summary 490
Other Statistics 447		Key Terms and Concepts 492
Cross-Tabulation in Practice 447		Exercises 492
Hypotheses Testing Related to		Internet and Computer Exercises 493
Differences 447		Activities 493
Parametric Tests 448		
One Sample 449		
Two Independent Samples 450	Chapter	Correlation and Regression 494
Paired Samples 453	17	Objectives 494
Nonparametric Tests 454	.i. #	Overview 495
One Sample 455		Product Moment Correlation 497

Chapter 15

Chapter 18

Partial Correlation 500		Determine the Significance of Discriminant
Nonmetric Correlation 502		Function 539
Regression Analysis 502		Interpret the Results 542
Bivariate Regression 503		Assess Validity of Discriminant Analysis
Statistics Associated with Bivariate Regression		543
Analysis 503		Multiple Discriminant Analysis 545
Conducting Bivariate Regression Analysis 504		Formulate the Problem 545
Plot the Scatter Diagram 504		Estimate the Discriminant Function Coefficients 547
Formulate the Bivariate Regression Model		Determine the Significance of the
506 Estimate the Parameters 506		Discriminant Function 548
Estimate the Farameters 500 Estimate Standardized Regression		Interpret the Results 548
Coefficient 507		Assess Validity of Discriminant Analysis 550
Test for Significance 508		Stepwise Discriminant Analysis 552
Determine the Strength and Significance		Internet and Computer Applications 553
of Association 508		SPSS Windows 554
Check Prediction Accuracy 510		Summary 555
Assumptions 511		Key Terms and Concepts 555
Multiple Regression 511		Exercises 556
Statistics Associated with Multiple Regression 513		Internet and Computer Exercises 556
Conducting Multiple Regression		Activities 556
Analysis 513		Appendix 18.1 557
Partial Regression Coefficients 513		
Strength of Association 515	Chapter	Factor Analysis 558
Significance Testing 516	19	Objectives 558
Examination of Residuals 517		Overview 559
Stepwise Regression 519		Basic Concept 560
Multicollinearity 521		Factor Analysis Model 560
Relative Importance of Predictors 522		Statistics Associated with Factor Analysis 561
Cross-Validation 522		Conducting Factor Analysis 562
Regression with Dummy Variables 523		Formulate the Problem 562
Analysis of Variance and Covariance with		Construct the Correlation Matrix 564
Regression 524 Internet and Computer Applications 525		Determine the Method of Factor Analysis 564
Internet and Computer Applications 525 SPSS Windows 526		Determine the Number of Factors 566
Summary 529		Rotate Factors 568
Key Terms and Concepts 529		Interpret Factors 569
Exercises 529		Calculate Factor Scores 569
Internet and Computer Exercises 530		Select Surrogate Variables 570
Activities 531		Determine the Model Fit 570
		Applications of Common Factor Analysis 572
Disministration 4 Aug. 1 F20		Internet and Computer Applications 577
Discriminant Analysis 532		SPSS Windows 577
Objectives 532		Summary 579
Overview 533		Key Terms and Concepts 580
Basic Concept 534		Exercises 580
Relationship to Regression and ANOVA 534		Internet and Computer Exercises 580
Discriminant Analysis Model 535		Activities 581
Statistics Associated with Discriminant Analysis 535		Appendix 19.1 582
Conducting Discriminant Analysis 536		
Formulate the Problem 536	Chapter	Cluster Analysis 584
Estimate the Discriminant Function	20	Objectives 584
	/ U.S	

CONTENTS xvii

	Basic Concept 586		Internet and Computer Applications 635
	Statistics Associated with Cluster Analysis 588		SPSS Windows 638
	Conducting Cluster Analysis 589		Summary 638
	Formulate the Problem 589		Key Terms and Concepts 638
	Select a Distance or Similarity Measure		Exercises 639
	590		Internet and Computer Exercises 639
	Select a Clustering Procedure 591		Activities 639
	Decide on the Number of Clusters 596		
	Interpret and Profile the Clusters 597		
	Assess Reliability and Validity 597	Chapter	Report Preparation and Presentation 640
	Applications of Nonhierarchical Clustering		Objectives 640
	599	22	Overview 641
	Clustering Variables 601		
	Internet and Computer Applications 604		Importance of the Report and Presentation 642
	SPSS Windows 604		The Report Preparation and Presentation Process 642
	Summary 605		
	Key Terms and Concepts 606		Report Preparation 644
	Exercises 606		Report Format 644
	Internet and Computer Exercises 606		Title Page 645
	Activities 607		Letter of Transmittal 645
	Activities 007		Letter of Authorization 645
			Table of Contents 645
Chapter	9		
21	Analysis 608		Executive Summary 645
may and	Objectives 608		Problem Definition 645
	Overview 609		Approach to the Problem 646
	Basic Concepts in Multidimensional Scaling		Research Design 646
	(MDS) 611		Data Analysis 646
	Statistics and Terms Associated with MDS 612		Results 646
	Conducting Multidimensional Scaling 612		Limitations and Caveats 646
	Formulate the Problem 612		Conclusions and Recommendations 646
	Obtain Input Data 613		Report Writing 647
	Select an MDS Procedure 615		Readers 647
	Decide on the Number of Dimensions 615		Easy to Follow 647
	Label the Dimensions and Interpret the Configuration 616		Presentable and Professional Appearance 648
	Assess Reliability and Validity 617		Objective 648
	Assumptions and Limitations of MDS 618		Reinforce Text with Tables and Graphs
	Scaling Preference Data 619		648
	Correspondence Analysis 621		Terse 648
	Relationship Among MDS, Factor Analysis, and		Guidelines for Tables 648
	Discriminant Analysis 621		Title and Number 648
	Basic Concepts in Conjoint Analysis 621		Arrangement of Data Items 648
	Statistics and Terms Associated with Conjoint		Basis of Measurement 649
	Analysis 622		Leaders, Rulings, and Spaces 649
	Conducting Conjoint Analysis 623		Explanations and Comments: Headings,
	Formulate the Problem 623		Stubs, and Footnotes 649
	Construct the Stimuli 624		Sources of the Data 649
	Decide on the Form of Input Data 625		Guidelines for Graphs 649
	Select a Conjoint Analysis Procedure 626		Geographic and Other Maps 650
	Interpret the Results 629		Round or Pie Charts 650
	Assessing Reliability and Validity 629		Line Charts 651
	Assumptions and Limitations of Conjoint		Pictographs 651
	Analysis 632		Histograms and Bar Charts 651
	Hybrid Conjoint Analysis 639		Schematic Figures and Flow Charts 653

Survey Methods 670

Mail Interviews 672

Mail and Scanner Panels

Electronic Surveys 673

Telephone Interviewing and CATI

In-Home Personal Interviews 671 Mall Intercept and CAPI 672

	Oral Presentation 653				
	Reading the Research Report 654				
	Addresses the Problem 654				
	Research Design 654				
	Execution of the Research Procedures 655				
	Numbers and Statistics 655				
	Interpretation and Conclusions 655				
	Generalizability 655				
	Disclosure 655				
	Research Follow-Up 655				
	Assisting the Client 655				
	Evaluation of the Research Project 656				
	International Marketing Research 656				
	Ethics in Marketing Research 657				
	Internet and Computer Applications 658				
	SPSS Windows 659				
	Summary 660				
	Key Terms and Concepts 660				
	Exercises 660				
	Internet and Computer Exercises 661				
	Activities 661				
Chapter	International Marketing Research 662				
•	Objectives 662				
23	Overview 663				
	Marketing Research Goes International 665				
	A Framework for International Marketing				
	Research 666				
	The Environment 666				
	Marketing Environment 666				
	Government Environment 666				
	Legal Environment 668				
	Economic Environment 668				
	Structural Environment 668				
	Informational and Technological				
	Environment 668				
	Sociocultural Environment 669				

Measurement and Scaling 674 Questionnaire Translation 675 Ethics in Marketing Research 676 Internet and Computer Applications 676 Summary 678 Key Terms and Concepts 678 Exercises 678 Internet and Computer Exercises 679 Activities 679 Cases for Part III 3.1: Is Celebrity Advertising Worth Celebrating? 3.2: The Demographic Discovery of the New Millennium 684 3.3: Matsushita Retargets the U.S.A. 686 3.4: Pampers Develops a Rash—A Rash of Market Share 688 3.5: Daimler Chrysler Seeks a New Image 690 Video Cases for Part III 3.1: The Mayo Clinic: Staying Healthy with Marketing Research 693 Comprehensive Cases with Data 4.1: Astec: Regaining the Top Spot 4.1 Astec Questionnaire 699 4.1: Astec Coding Sheet 701 4.2: Is Marketing Research the Cure for Norton Healthcare Kosair Children's Hospital's Ailments? 703 4.2 Norton Healthcare Kosair Children's Hospital Questionnaire 706 4.2: Norton Healthcare Kosair Children's Hospital Coding Sheet 708 Comprehensive Video Cases 4.1: Subaru: "Mr. Survey" Monitors Customer Satisfaction 711 4.2: Procter & Gamble: Using Marketing Research to Build Brands 713 Appendix: Statistical Tables A1

Notes N1

Credits C1

Index I1