CONTENTS

Preface vii

1	Introduction	to	Marketing	Research	1
---	--------------	----	-----------	----------	---

Nature of Marketing 2

The Marketing Concept 2

Opportunistic Nature of Marketing Research 2

External Marketing Environment 3

Marketing Research and Decision Making 4

Marketing Research Defined 4

Importance of Marketing Research to Management 4

Understanding the Ever-Changing Marketplace 6

Social Media and User-Generated Content 6

Proactive Role of Marketing Research 7

Applied Research versus Basic Research 7

Nature of Applied Research 8

Decision to Conduct Marketing Research 9

Development of Marketing Research 11

Inception: Pre-1900 11

Early Growth: 1900–1920 12 Adolescent Years: 1920–1950 12 Mature Years: 1950–2000 13

→ Practicing Marketing Research: What Is Good about Marketing

RESEARCH TODAY 13

The Connected World: 2000–Present 14

- Summary 15
- Key Terms & Definitions 16
- Questions for Review & Critical Thinking 17
- Real-Life Research 1.1: Courtyard by Marriott 18
- Real-Life Research 1.2: Young Consumers Searching for a Bank Still Want the Personal Touch 19

2 Ethical Decision Making in the Marketing Research Industry 21

Evolving Structure of the Marketing Research Industry 22

Primary Information Users (Client Organizations)

Consumer and Industrial Goods and Services Producers 22

Federal, State, and Local Governments 23

Media Companies 24

Retailers and Wholesalers 24

Manufacturers 24

Marketing Research Suppliers 24

Marketing Research Supplier Service Firms 24

30

Consumer Watch 25

igwedge From the Front Line: Discovering Marketing Research and Why You

SHOULD TOO 27

Consumer Buy 28

Custom Research Firms 28

Syndicated Service Firms 28

Limited-Function Research Firms 28

Marketing Research Supplier Service Firms 29
Using Marketing Research—A Corporate Perspective

External Clients 31

Internal Clients 32

→ Practicing Marketing Research: Look for the Danger Signals When Evaluating Research Suppliers 34

The State of the Marketing Research Industry 35

→ PRACTICING MARKETING RESEARCH: STRATEGIC RESEARCH IS FINE BUT FIRMS MUST BE NIMBLE IN TODAY'S MARKETPLACE 36

Marketing Research Ethics 36

Ethical Theories 36

Research Supplier Ethics 37

Black Box Branding 40

Client Ethics 40

Field Service Ethics 42

Respondents' Rights 42

→ GLOBAL RESEARCH: SAFE HARBOR IN A PRIVACY STORM 44 Ethics and Professionalism 45

Summary 47

■ Key Terms & Definitions 48

Questions for Review & Critical Thinking 49

Working the Net 50

Real-Life Research 2.1: Coke Juices Up a Market Test 50

■ Real-Life Research 2.2: Budget Rent a Car Drives a Message Home 52

3 Steps in the Research Process 57

Critical Importance of Correctly Defining the Problem 58

Recognize the Problem or Opportunity 59

Find Out Why the Information Is Being Sought 59 Understand the Decision-Making Environment with

Exploratory Research 60

Use the Symptoms to Clarify the Problem 62

→ PRACTICING MARKETING RESEARCH: WHAT DO YOU NEED TO KNOW 63

Translate the Management Problem into a Marketing

Research Problem 64

Determine Whether the Information Already Exists 64

Determine Whether the Question Can Be Answered 65

→ PRACTICING MARKETING RESEARCH: IMPORTANCE OF TOP MANAGEMENT'S DEFINITION OF THE MANAGEMENT PROBLEM 65
State the Research Objectives 66

Marketing Research Process 66 Creating the Research Design 66 Choosing a Basic Method of Research 68 Selecting the Sampling Procedure Collecting the Data 69 Analyzing the Data Writing and Presenting the Report 70 Following Up 71 Managing the Research Process The Research Request 71 Request for Proposal 72 → Practicing Marketing Research: Where Do I Send the RFP? 72 The Marketing Research Proposal 73 What to Look for in a Marketing Research Supplier 75 What Motivates Decision Makers to Use Research Information? Summary 76 Key Terms & Definitions 77 Questions for Review & Critical Thinking 78 Working the Net 79 Real-Life Research 3.1: Let's Go Out to Eat! Real-Life Research 3.2: Cessna Aircraft 84 Appendix 3A: A Marketing Research Proposal 85 Background 86 Objectives 86 Study Design 86 Areas of Questioning 86 Data Analysis 87 Personnel Involved Specifications/Assumptions 87 Services 87 Cost 88 Timing 88 4 Using Secondary Data 89 Nature of Secondary Data 90 Advantages of Secondary Data 90 → Practicing Marketing Research 91 Limitations of Secondary Data 92 Internal Databases 94 Creating an Internal Database 94 → PRACTICING MARKETING RESEARCH: LOOKING FOR INTELLIGENCE IN ICE CREAM Growing Importance of Internal Database Marketing → Practicing Marketing Research: Database Design and IMPLEMENTATION 96 Data Mining Behavioral Targeting 99 Battle over Privacy 100 → Practicing Marketing Research Marketing Research Aggregators

Information Management 106
Geographic Information System 107
Decision Support Systems 109
Summary 110
Key Terms & Definitions 111
Questions for Review & Critical Thinking 111
Working the Net 112
Real-Life Research 4.1: Michelle's Store for Runners 113
Real-Life Research 4.2: The Changing Face
of Motherhood 114

5 Focus Groups, Depth Interviews, and Other Non-quantitative Research Methods 116

Nature of Qualitative Research 117

Qualitative Research versus Quantitative Research 117

Popularity of Qualitative Research 118

Limitations of Qualitative Research 119

The Importance of Focus Groups 119

Popularity of Focus Groups 120

Conducting Focus Groups 120

→ Practicing Marketing Research: Building a Strong Bond With Focus Group Participants 124

Focus Group Trends 128

→ GLOBAL RESEARCH: PLANNING GLOBAL FOCUS GROUPS 129
Benefits and Drawbacks of Focus Groups 131

Other Qualitative Methodologies 133

Individual Depth Interviews 133

Projective Tests 137

→ Practicing Marketing Research: Getting Consumers to Tell Their Stories 142

Future of Qualitative Research 143

Summary 144

Key Terms & Definitions 145

Questions for Review & Critical Thinking 146

Working the Net 146

Real-Life Research 5.1: Repositioning Scotland 146

Real-Life Research 5.2: Fossil Watch, Inc. 149

6 Methods of Survey Research 151

Popularity of Survey Research 152

Types of Errors in Survey Research 152

Sampling Error 152

Systematic Error 153

Types of Surveys 157

Door-to-Door Interviews 157

→ GLOBAL RESEARCH: CONDUCTING MARKETING RESEARCH IN CHINA 158

Executive Interviews 159

Mall-Intercept Interviews 159

Telephone Interviews 160

→ Practicing Marketing Research 162 Self-Administered Questionnaires 163 Mail Surveys 164
Determination of the Survey Method 166 Sampling Precision 166 Budget 168
Requirements for Respondent Reactions 168 Quality of Data 168 Length of the Questionnaire 169
Incidence Rate 169 Structure of the Questionnaire 170
Time Available to Complete the Survey 170 Marketing Research Interviewer 170
Summary 171 Key Terms & Definitions 172
Questions for Review & Critical Thinking 173
Real-Life Research 6.1: Yes, Teens Love Their Mobile Phones! 173 Real-Life Research 6.2: Dairy Management Inc. 175
Using the Internet for Marketing Research 177
The Online World 178
Using the Internet for Secondary Data 178
Sites of Interest to Marketing Researchers 178 Newsgroups 178
Blogs 181
Internet Search Strategies 181
Creating a Database from a Web Site—A Marketer's Dream 184
Online Qualitative Research 185
The Popularity of Online Focus Groups 186
→ PRACTICING MARKETING RESEARCH: ADVANTAGES OF ONLINE FOCUS GROUPS IN
B2B RESEARCH 187 → FROM THE FRONT LINE: EIGHT TIPS FOR CONDUCTING SUCCESSFUL BULLETIN
BOARD FOCUS GROUPS 191

→ Practicing Marketing Research: Have Technology, Will Investigate:

→ GLOBAL RESEARCH: TIMING IS EVERYTHING IN SURVEY INVITATIONS 202

→ Practicing Marketing Research: Mobile Research Is Right Now 207

INNOVATIVE ONLINE SOLUTIONS FOR QUALITATIVE

→ PRACTICING MARKETING RESEARCH: THE PRIMACY OF ONLINE

Methods of Conducting Online Surveys 199

Mobile Internet Research—The Next Step 205

Open versus Closed Recruitment 203

Respondent Cooperation 203 Controlling the Panel 204

Advantages of Online Surveys 195

→ GLOBAL RESEARCH: RESEARCH IN RUSSIA 196
Disadvantages of Online Surveys 197

Online Survey Research 195

Commercial Online Panels 201 Panel Management 201

RESEARCH 198

7

FROM THE FRONT LINE: WHY ISN'T ALL DATA COLLECTION MOVING TO THE INTERNET? 208
Summary 209
Key Terms & Definitions 210
Questions for Review & Critical Thinking 210
Woking the Net 211

Real-Life Research 7.1: Good Things Come to

Brands That Give 211

Real-Life Research 7.2: Weiner World 212

8 Ethnography, Scanner-based Research, and Other Observation Techniques 213

Nature of Observation Research 214

Conditions for Using Observation 214

Approaches to Observation Research 214

Advantages of Observation Research 216

Disadvantages of Observation Research 217

Human Observation 217

Ethnographic Research 217

GLOBAL RESEARCH: ETHNOGRAPHY IS AN ENRICHING PROCESS 221

Mystery Shoppers 222

PRACTICING MARKETING RESEARCH: TAKING ETHNOGRAPHY ONLINE 223

One-Way Mirror Observations 225

PRACTICING MARKETING RESEARCH: UNDERCOVER WITH A HOTEL SPY 226

Machine Observation 227

Traffic Counters 227

Physiological Measurement Devices 227

Television Audience Measurement and

the Portable People Meter 232

Symphony IRI Consumer Network 233

Observation Research on the Internet 233

Observation Research and Virtual Shopping 235

Summary 236

Key Terms & Definitions 237

Questions for Review & Critical Thinking 238

Working the Net 239

Real-Life Research 8.1: A Glad Trash Bag Breakthrough 239

Real-Life Research 8.2: Stovetops and Laptops 240

9 Primary Data Collection: Experimentation and Test Markets 242

What Is an Experiment? 243

Demonstrating Causation 243

Concomitant Variation 243

Appropriate Time Order of Occurrence 244

Elimination of Other Possible Causal Factors 244

Experimental Setting 244

Laboratory Experiments 245

PRACTICING MARKETING RESEARCH: WHAT'S IT LIKE TO BE OLD? 245

Field Experiments 246

Experimental Validity 246 PRACTICING MARKETING RESEARCH: KNOW YOUR POTENTIAL CUSTOMERS. PSYCHOLOGICALLY SPEAKING 247 Experimental Notation 248 Extraneous Variables 248 Examples of Extraneous Variables 248 Controlling Extraneous Variables 250 PRACTICING MARKETING RESEARCH: DATA USE: THE INSIDIOUS TOP-BOX AND ITS EFFECTS ON MEASURING LINE SHARE 251 Experimental Design, Treatment, and Effects 252 Limitations of Experimental Research 252 High Cost of Experiments Security Issues 253 Implementation Problems 253 Selected Experimental Designs 253 Pre-Experimental Designs 254 GLOBAL RESEARCH: WHAT HAPPENS WHEN YOUR SELECTION BIAS IS THE Interviewer's Gender? 255 True Experimental Designs 255 Quasi-Experiments 257 Test Markets 258 Types of Test Markets 259 GLOBAL RESEARCH: WHAT MAKES A GOOD TEST MARKET? HOW ABOUT CALGARY? 260 Costs of Test Marketing 261 Decision to Conduct Test Marketing 262 Steps in a Test Market Study 262 GLOBAL RESEARCH: BEST GLOBAL TEST MARKETS? DANES ARE QUICK, KOREANS LOVE TECH 264 PRACTICING MARKETING RESEARCH: QUICK SCANS OF PRODUCT-SPECIFIC Test Markets 267 GLOBAL RESEARCH: USING SIMULATED TEST MARKETS IN GLOBAL MARKETS 268 Other Types of Product Tests 270 Summary 270 Key Terms & Definitions 271 Questions for Review & Critical Thinking 273

Real-Life Research 9.1: Millennium Marketing Research Simulated

10 The Importance of Proper Measurement 276

Measurement Process 277

Working the Net 274

Test Market 274

Step One: Identify the Concept of Interest 278

Step Two: Develop a Construct 278

Step Three: Define the Concept Constitutively 278
Step Four: Define the Concept Operationally 278
Step Five: Develop a Measurement Scale 280
Nominal Level of Measurement 280

Ordinal Level of Measurement 281

GLOBAL RESEARCH: CONSTRUCT EQUIVALENCE PROBLEMS OFTEN OCCUR IN GLOBAL MARKETING RESEARCH 282

Interval Level of Measurement 282

Ratio Level of Measurement 283

Step Six: Evaluate the Reliability and Validity of the Measurement 283

FROM THE FRONT LINE: MAKING SURE YOU HAVE THE RIGHT LEVEL

OF SCALING 284 Reliability 286

PRACTICING MARKETING RESEARCH: TRUTH ABOUT

What Respondents Say 287

Validity 289

Practicing Marketing Research: The Anonymity Gradient 291 Reliability and Validity—A Concluding Comment 294

PRACTICING MARKETING RESEARCH: TIPS FOR MANAGERS ON PUTTING

MEASUREMENT TO WORK 294

Summary 296

Key Terms & Definitions 296 Questions for Review & Critical Thinking 297

Working the Net 298

Real-Life Research 10.1: It's True—Not All Men or All Women

Are Alike! 298

11 Attitude Measurement 302

Attitudes, Behavior, and Marketing Effectiveness 303 Link between Attitudes and Behavior 303

Enhancing Marketing Effectiveness 304

Scaling Defined 305 Attitude Measurement Scales 305

Graphic Rating Scales 305

Itemized Rating Scales 306

PRACTICING MARKETING RESEARCH: COMPARING THE TRADITIONAL LIKERT SCALE

AND ALTERNATIVE SLIDER SCALES 306

Traditional One-Stage Format 310

Two-Stage Format 310

Rank-Order Scales 310 Paired Comparisons 310

Constant Sum Scales 311

Semantic Differential Scales 312

GLOBAL RESEARCH: CROSS-CULTURAL SEGMENTATION: ACCOUNTING

FOR CROSS-CULTURAL RESPONSE DIFFERENCES WHEN USING SURVEY

RATING SCALES 314

Stapel Scales 314

Likert Scales 315 Purchase Intent Scales 316

PRACTICING MARKETING RESEARCH: TO CHOOSE OR NOT TO CHOOSE?

ARE CHOICE TECHNIQUES THE RIGHT CHOICE? 318

Scale Conversions 320

Considerations in Selecting a Scale 321

The Nature of the Construct Being Measured 321 Type of Scale 321

Balanced versus Nonbalanced Scale 322

Number of Scale Categories 322 Forced versus Nonforced Choice 323

→ Practicing Marketing Research: A Factor Analysis Case: The 10-Point Scale versus the 7-Point Scale 323

Attitude Measures and Management Decision Making 324

Direct Questioning 325

Indirect Questioning 327

Observation 327

Choosing a Method for Identifying Determinant Attitudes 327

Summary 327

Key Terms & Definitions 329
Questions for Review & Critical Thinking 330

Working the Net 330

Real-Life Research 11.1: Case Backhoe Enters the

Global Market 331

Real-Life Research 11.2: Coffee Culture as a Global Phenomenon 333

12 Questionnaire Design 335

Role of a Questionnaire 336

Criteria for a Good Questionnaire 337

Does It Provide the Necessary Decision-Making Information? 337

Does It Consider the Respondent? 337

Does It Meet Editing and Coding Requirements? 337

Questionnaire Design Process 339

→ PRACTICING MARKETING RESEARCH: TIPS FOR MAXIMIZING USER RESPONSE IN

Online Surveys 340

Step One: Determine Survey Objectives, Resources, and Constraints 341

→ Practicing Marketing Research: It's All about the Objectives 342 Step Two: Determine the Data-Collection Method 343

Step Three: Determine the Question Response Format 343

→ PRACTICING MARKETING RESEARCH: USEFUL OPEN-ENDED QUESTIONS 348

Step Four: Decide on the Question Wording 352

Step Five: Establish Questionnaire Flow and Layout 355

Model Introduction/Opening 358

Model Closing 358

Step Six: Evaluate the Questionnaire 359

Step Seven: Obtain Approval of All Relevant Parties 359

Step Eight: Pretest and Revise 360

Step Nine: Prepare Final Questionnaire Copy 360

→ Practicing Marketing Research: Tips for Writing A

GOOD QUESTIONNAIRE 360

Step Ten: Implement the Survey 362 Field Management Companies 362

Impact of the Internet on Questionnaire Development 364 Software for Questionnaire Development 364

- → FROM THE FRONT LINE: PRACTICES THAT SIMPLIFY AND SPEED UP DESIGN OF A GOOD QUESTIONNAIRE 365
- → GLOBAL RESEARCH: SURVEY CONTAMINATION FROM NATIONAL DIFFERENCES IN RESPONSE STYLES 369

Costs, Profitability, and Questionnaires 370 Summary 371 Key Terms & Definitions 372

Questions for Review & Critical Thinking 373

Working the Net 374

Real-Life Research 12.1: Understanding Buyer Behavior 374 Real-Life Research 12.2: Singles Dinner Club 377

13 Basic Sampling Issues 379

Concept of Sampling 380 Population 380

Sample versus Census 380

Developing a Sampling Plan 381

Step One: Define the Population of Interest 381

→ Practicing Marketing Research: Driver's Licenses and Voter Registration

LISTS AS SAMPLING FRAMES 382 Step Two: Choose a Data-Collection Method 384

Step Three: Identify a Sampling Frame 384

Step Four: Select a Sampling Method 385 → Practicing Marketing Research: How to Achieve Near Full Coverage for

YOUR SAMPLE USING ADDRESS-BASED SAMPLING 385 Step Five: Determine Sample Size 386

Step Six: Develop Operational Procedures for Selecting Sample Elements 386

→ Practicing Marketing Research: Can a Single Online Respondent Pool OFFER A TRULY REPRESENTATIVE SAMPLE? 387

Step Seven: Execute the Operational Sampling Plan 388

Sampling and Nonsampling Errors 388 Probability Sampling Methods 389

→ From the Front Line: Sampling and Data Collection with Internet

Panels 390

Simple Random Sampling Systematic Sampling 391

Stratified Sampling 392 Cluster Sampling 394

Nonprobability Sampling Methods 396

Convenience Samples 396 Judgment Samples 397

Quota Samples 397

Snowball Samples 397

→ Practicing Marketing Research: E-Mail Surveys of Web Site Usage—When Snowballing Fails to Snowball 398

Internet Sampling 399

→ Practicing Marketing Research: How Building a Blended Sample Can Help IMPROVE RESEARCH RESULTS 400

Summary 401

Key Terms & Definitions 401 Questions for Review & Critical Thinking 402

Working the Net 403

Real-Life Research 13.1: The Research Group 404 Real-Life Research 13.2: Texas Field Research 405

14 Sample Size Determination 406

Determining Sample Size for Probability Samples 407

Budget Available 407

Rule of Thumb 407

Number of Subgroups Analyzed 407

Traditional Statistical Methods 408

Normal Distribution 408

General Properties 408

Standard Normal Distribution 410

Population and Sample Distributions 410 Sampling Distribution of the Mean 411

Basic Concepts 412

→ GLOBAL RESEARCH: NONRESPONSE BIAS IN A DUTCH ALCOHOL CONSUMPTION

STUDY 414

Making Inferences on the Basis of a Single Sample 415

Point and Interval Estimates 415

Sampling Distribution of the Proportion 416

Determining Sample Size 417 Problems Involving Means 417

Problems Involving Proportions 419

Determining Sample Size for Stratified and Cluster Samples 420

Sample Size for Qualitative Research 420

Population Size and Sample Size 420

→ Practicing Marketing Research 421

→ Practicing Marketing Research: Estimating with Precision How Many

Phone Numbers Are Needed 423

Determining How Many Sample Units Are Needed 424

Statistical Power 424

Summary 425

Key Terms & Definitions 427

Questions for Review & Critical Thinking 428

Working the Net 429

Real-Life Research 14.1: Sky Meals 429 Real-Life Research 14.2: HealthLife 430

SPSS Jump Start for Chi-Square Test 431

15 Data Processing and Fundamental Data Analysis 435

Overview of the Data Analysis Procedure 436

Step One: Validation and Editing 436

Validation 436

Editing 437 Step Two: Coding 441

Coding Process 442

Automated Coding Systems 443

Step Three: Data Entry 444

Intelligent Entry Systems 444 The Data Entry Process 444

Scanning 445

Step Four: Logical Cleaning of Data 445

Step Five: Tabulation and Statistical Analysis 446

One-Way Frequency Tables 446

- Cross Tabulations 448
- → Practicing Marketing Research: Q Data Analysis Software a Very Functional Choice 450
- → PRACTICING MARKETING RESEARCH: SIX PRACTICAL TIPS FOR EASIER CROSS TABULATIONS 451

Graphic Representations of Data 452

→ FROM THE FRONT LINE: SOLID SET OF CROSS-TABULATIONS CRITICAL 452
Line Charts 453

Pie Charts 453

Bar Charts 454
→ Practicing Marketing Research: Expert Tips on Making

BAD GRAPHICS EVERY TIME 455

Descriptive Statistics 457

Measures of Central Tendency 457

Measures of Dispersion 458

Percentages and Statistical Tests 460 Summary 460

Key Terms & Definitions 462
Questions for Review & Critical Thinking 462

Working the Net 464
Real-Life Research 15.1: PrimeCare 464

Real-Life Research 15.2: Tico Taco 465 SPSS Exercises for Chapter 15 466

16 Statistical Testing of Differences and Relationships 470

Evaluating Differences and Changes 471

Statistical Significance 471
Hypothesis Testing 472

Steps in Hypothesis Testing 472

- → Practicing Marketing Research: Choosing the Right
- Test for the Right Situation 473
 Types of Errors in Hypothesis Testing 475
- → Practicing Marketing Research: Why in Medicine a Two-Tailed Test Is
- Preferable to a One-Tailed Test 477 Accepting H_0 versus Failing to Reject (FTR) H_0 478

One-Tailed versus Two-Tailed Test 478

- Example of Performing a Statistical Test 478

 → FROM THE FRONT LINE: MORE TIPS ON SIGNIFICANCE TESTING 479
- → PRACTICING MARKETING RESEARCH: DOES STATISTICAL PRECISION VALIDATE

RESULTS? 482
Commonly Used Statistical Hypothesis Tests 483

Independent versus Related Samples 483

Degrees of Freedom 484

Chi-Square Test 484

SPSS Jump Start for Chi-Square Test 487

Hypotheses about One Mean 489 Z Test 489

Goodness of Fit 484

→ PRACTICING MARKETING RESEARCH: TAKING THE Z TEST INTO THE CLASSROOM AND COURTROOM—TWO PRACTICAL USES 490

t Test 492

■ SPSS Jump Start for t Test 493
Hypotheses about Two Means 495
Hypotheses about Proportions 497

Hypotheses about Proportions 497
Proportion in One Sample 497

Two Proportions in Independent Samples 498

Analysis of Variance (ANOVA) 499

→ Practicing Marketing Research: 12 Coins, 3 Shops, 2 Microbiologists,

AND 1 TEST—ANOVA 502

P Values and Significance Testing 503 Summary 504

Key Terms & Definitions 505

Questions for Review & Critical Thinking 505

Working the Net 508

Real-Life Research 16.1: Stewart Bakin Advertising 508 Real-Life Research 16.2: I Can't Believe It's Yogurt 509 SPSS Exercises for Chapter 16 510

17 Bivariate Correlation and Regression 514

Bivariate Analysis of Association 515

Bivariate Regression 515

Nature of the Relationship 515 Example of Bivariate Regression 516

SPSS Jump Start for Regression 520

Correlation Analysis 526

Correlation for Metric Data: Pearson's Product–Moment Correlation 526

→ Global Research: Rethinking the Applicability of Pearson's Product— Moment Correlation 527

SPSS Jump Start for Correlation 528

→ Practicing Marketing Research: Do Your "BESD" When Explaining Correlation Results 529

→ GLOBAL RESEARCH: PEARSON'S PRODUCT—MOMENT CORRELATION FINE-TUNES

MEDICAL STATISTICS 530

→ PRACTICING MARKETING RESEARCH: WHEN BIVARIATE AND MULTIVARIATE

CORRELATION COMBINED GIVE THE BEST PICTURE 531

Summary 532 Key Terms & Definitions 533

Questions for Review & Critical Thinking 533

Working the Net 535

Real-Life Research 17.1: Find Any Error 536

Real-Life Research 17.2: Baja Burger Image Analysis 536 SPSS Exercises for Chapter 17 538

18 Multivariate Data Analysis 540

Multivariate Analysis Procedures 541

→ Practicing Marketing Research: Statistician: The Hot Job of the Future 541

Multivariate Software 542

→ Practicing Marketing Research: Eleven Techniques for Analyzing Data 543

Applications of Multiple Regression Analysis 545 Multiple Regression Analysis Measures Dummy Variables 545 Potential Use and Interpretation Problems 546 Example of Multiple Regression Analysis 547 SPSS Jump Start for Multiple Regression Analysis Multiple Discriminant Analysis 551 Applications of Multiple Discriminant Analysis 552 Example of Multiple Discriminant Analysis 552 ■ SPSS Jump Start for Multiple Discriminant Analysis 554 Cluster Analysis 555 Procedures for Clustering 556 Example of Cluster Analysis 557 → From the Front Line: How to Segment a Market Using Cluster Analysis 559 Factor Analysis 560 Factor Scores 561 Factor Loadings 562 Naming Factors 563 Number of Factors to Retain 563 Example of Factor Analysis 563 Conjoint Analysis 564 Example of Conjoint Analysis 564 Limitations of Conjoint Analysis 568 Data Mining 569 Data Mining Process 569 Results Validation 569 Privacy Concerns and Ethics 570 Commercial Data Mining Software and Applications 570 Summary 570 Key Terms & Definitions 571 Questions for Review & Critical Thinking 572 Working the Net 574 Real-Life Research 18.1: Satisfaction Research for Pizza Quik 574 Real-Life Research 18.2: Custom Car Wash Systems 576 Appendix: United Wireless Communications Data Set 577 Research Objectives 577 Methodology 578 Description of the Data Set 578 Role of Marketing Research in the Organization and Ethical Issues 580 Marketing Research across the Organization 580 Ethical Dilemma 581 SPSS Exercises for Chapter 18 582

Multiple Regression Analysis 544

19 The Research Report 585

The Research Report 586

→ Practicing Marketing Research: The Relationship between Clarity and PROJECT SUCCESS 586

	Organizing the Report 587 Interpreting the Findings 588 → FROM THE FRONT LINE: PREPARING AN EFFECTIVE AND INSIGHTFUL REPORT 589 Format of the Report 590 Formulating Recommendations 590 The Presentation 590 → PRACTICING MARKETING RESEARCH: GETTING TO THE HEART OF PREPARING QUANTITATIVE RESEARCH REPORTS 591 → PRACTICING MARKETING RESEARCH: LOST IN TRANSLATION: CHALLENGES RESEARCHERS FACE IN COMMUNICATING THEIR RESULTS TO CLIENTS 592 Making a Presentation 593 Presentations on the Internet 597 PRACTICING MARKETING RESEARCH: THE MARKET RESEARCHERS' WISH LIST 598 Summary 599 Key Terms & Definitions 599 Questions for Review & Critical Thinking 599 Working the Net 600 Real-Life Research 19.1: The United Way 600
20	Real-Life Research 19.2: TouchWell Tracking Research 602 Planning, Organizing, and Controlling the Research Function 607
	Consolidating the Number of Acceptable Suppliers 608 Marketing Research Supplier Management 608 What Do Clients Want? 608 → FROM THE FRONT LINE: MAKING DIFFICULT CLIENTS HAPPY 609 Communication 610 Managing the Research Process 611 → PRACTICING MARKETING RESEARCH: DOING HIGH-QUALITY WORK— ON TIME 612 → PRACTICING MARKETING RESEARCH: MANAGING A MARKETING RESEARCH FIRM FOR PROFITABILITY 615 Client Profitability Management 616 Staff Management and Development 617 → FROM THE FRONT LINE: 10 TIPS FOR A WINNING PROPOSAL 619 Managing a Marketing Research Department 620 Allocating the Research Department Budget 620 Selecting the Right Marketing Research Suppliers 622 PRACTICING MARKETING RESEARCH: SOFT SKILLS OF AN IDEAL MARKETING RESEARCHER 623 GLOBAL RESEARCH: PICKING A RUSSIAN RESEARCH SUPPLIER 625 Moving Marketing Research into a Decision-Making Role 626 Summary 631 Key Terms & Definitions 632 Questions for Review & Critical Thinking 632 Working the Net 633 Real Life Research 20 1: Repson Research Deals with Growth 633

Real-Life Research 20.1: Benson Research Deals with Growth 633 Real-Life Research 20.2: Maxwell Research Considers Outsourcing to Cross-Tab in India 634 Case Study 635

Photo Credits PC-1

Appendix One: Comprehensive Cases A-1

- A Biff Targets an Online Dating Service for College Students A-2
- B Freddy Favors Fast Food and Convenience for College Students A-5
- C Superior Online Student Travel—A Cut Above A-9
- D Rockingham National Bank Visa Card Survey A-13

Appendix Two: Considerations in Creating a Marketing Plan A-21

Appendix Three: Statistical Tables A-25

Endnotes A-32

Glossary G-1

Index I-1