### BRIEF CONTENTS

### PART I

The Nature and Scope of Marketing Research

**Chapter 1** A Decision-Making Perspective on Marketing Intelligence, 1

Chapter 2 Marketing Research in Practice, 30

Chapter 3 The Marketing Research

Process, 47

**Chapter 4** Research Design and Implementation, 70

### PART II

**Data Collection** 

#### SECTION A

### Secondary and Exploratory Research

**Chapter 5** Secondary Sources of Marketing Data, 92

**Chapter 6** Standardized Sources of Marketing Data, 116

**Chapter 7** Marketing Research on the Internet, 136

**Chapter 8** Information Collection: Qualitative and Observational Methods, *161* 

#### SECTION B

### **Descriptive Research**

**Chapter 9** Information from Respondents: Issues in Data Collection, 198

**Chapter 10** Information from Respondents: Survey Methods, 214

Chapter 11 Attitude Measurement, 247

**Chapter 12** Designing the Questionnaire, 275

### SECTION C

### Causal Research

Chapter 13 Experimentation, 303

### SECTION D

### Sampling

Chapter 14 Sampling Fundamentals, 334

**Chapter 15** Sample Size and Statistical Theory, 362

#### PART III

### Data Analysis

Chapter 16 Fundamentals of Data Analysis, 380

**Chapter 17** Hypothesis Testing: Basic Concepts and Tests of Associations, 401

**Chapter 18** Hypothesis Testing: Means and Proportions, *418* 

#### PART IV

### Special Topics in Data Analysis

**Chapter 19** Correlation Analysis and Regression Analysis, 440

**Chapter 20** Discriminant and Canonical Analysis, 469

Chapter 21 Factor and Cluster Analysis, 489

**Chapter 22** Multidimensional Scaling and Conjoint Analysis, 515

Chapter 23 Presenting the Results, 537

### PART V

### Applications of Marketing Intelligence

**Chapter 24** Traditional Applications: Product, Price, Distribution, and Promotion, 553

Chapter 25 Contemporary Applications: Competitive Advantage, Brand Equity, Customer Satisfaction, and Total Quality Management, 589

Chapter 26 Emerging Applications: Database Marketing, E-Commerce, Mobile Marketing, Social Marketing, Experiential Marketing, Relationship Marketing, and Customer Intelligence, 617

### Appendix: Tables, 653

A-1. Standard Normal Probabilities, 653

A-2.  $\chi^2$  Critical Points, 654

A-3. F Critical Points, 656

**A-4.** Cut-Off Points for the Student's *t*-Distribution, *661* 

**A-5.** Procedures for Conducting Univariate and Multivariate Analysis in SPSS, 662

A-6. Output of Select Tables in SPSS, 666

Glossary, 677

Index, 688

### **CONTENTS**

# PART I THE NATURE AND SCOPE OF MARKETING RESEARCH

## CHAPTER 1 A Decision-Making Perspective on Marketing Intelligence, 1

Learning Objectives, 1

An Overview of Business Intelligence, 1

Introduction to Marketing Intelligence, 3

Marketing Research, 6

Role of Marketing Research in Managerial Decision Making, 11

Factors That Influence Marketing Research Decisions, 19

Use of Marketing Research, 20

Ethics in Marketing Research, 21

The Respondent's Ethics and Rights, 25

International Marketing Research, 25

Summary, 27

Questions and Problems, 27

End Notes, 28

\*Case 1-1: Preteen Market—The Right Place to Be In for Cell Phone Providers?

\*Case 1-2: Best Buy on a Segmentation Spree

\*Case 1-3: Ethical Dilemmas in Marketing Research

### CHAPTER 2 Marketing Research in Practice, 30

Learning Objectives, 30

Information System, Decision Support Systems, and Marketing Research, 31

Marketing Decision Support Systems, 34

Suppliers of Information, 38

Criteria for Selecting External Suppliers, 43

The International Marketing Research Industry, 43

Career Opportunities in Marketing Research, 44

Summary, 45

Questions and Problems, 45

End Notes, 46

Appendix: Marketing Research Jobs, 46

### CHAPTER 3 The Marketing Research Process, 47

Learning Objectives, 47

Overview of the Marketing Research Process, 47

The Preliminary Stages of the Marketing Research Process, 49

Planning a New HMO, 59

The International Marketing Research Process, 62

Summary, 66

Questions and Problems, 66

End Notes, 67

Appendix: The Value of Research Information Using Bayesian Decision Theory, 67

\*Case 3-1: A VideOcart Test for Bestway Stores

\*Case 3-2: Sperry/MacLennan Architects and Planners

\*Case 3-3: Philip Morris Enters Turkey

## CHAPTER 4 Research Design and Implementation, 70

Learning Objectives, 70

Research Approach, 72

Research Tactics and Implementation, 79

Budgeting and Scheduling the Research Project, 81

Research Proposal, 83

Designing International Marketing Research, 85

Issues in International Research Design, 87

Summary, 89

Ouestions and Problems, 89

End Notes, 90

Appendix: Errors in Research Design, 90

\*Case 4-1: Reynolds Tobacco's Slide-Box

Cigarettes

\*Case 4-2: California Foods Corporation

#### \*Case for Part I

\*Case I-1: Clover Valley Dairy Company

### PART II DATA COLLECTION

### SECTION A: SECONDARY AND EXPLORATORY RESEARCH

### CHAPTER 5 Secondary Sources of Marketing Data, 92

Learning Objectives, 92

Secondary Data, 93

Uses of Secondary Data, 93

Benefits of Secondary Data, 94

Limitations of Secondary Data, 94

Internal Sources of Secondary Data, 95

External Sources of Secondary Data, 97

Census Data, 104

North American Industry Classification

System, 106

Appraising Secondary Sources, 107

Applications of Secondary Data, 108

Sources of Secondary Data for International

Marketing Research, 112

Problems Associated with Secondary Data in International Research, 112

Applications of Secondary Data in International Research. 113

Summary, 114

Questions and Problems, 114

End Notes, 115

\*Case 5-1: Barkley Foods

\*Case 5-2: Dell in Latin America?

\*Case 5-3: Eddie Bauer: Strategize with Secondary Marketing Data

## CHAPTER 6 Standardized Sources of Marketing Data, 116

Learning Objectives, 116

Retail Store Audits, 117

Consumer Purchase Panels, 118

Scanner Services and Single-Source

Systems, 121

Media-Related Standardized

Sources, 129

Applications of Standardized Sources of Data, 131

Summary, 133

Questions and Problems, 133

End Notes, 134

\*Case 6-1: Promotion of Rocket Soups

\*Case 6-2: Kerry Gold Products, Ltd.

\*Case 6-3: Paradise Foods

### CHAPTER 7 Marketing Research on the Internet, 136

Learning Objectives, 136

Current Trends in Web Usage, 136

WWW Information for Marketing

Decisions, 138

The Internet and Marketing Research Today, 144

The Internet and Marketing Research

Developments, 152

Issues and Concerns, 155

Summary, 158

Questions and Problems, 158

End Notes, 159

\*Case 7-1: Caring Children's Hospital

### CHAPTER 8 Information Collection: Qualitative and Observational Methods, 161

Learning Objectives, 161

Need for Qualitative Research, 162

Qualitative Research Methods, 162

Observational Methods, 183

Recent Applications of Qualitative and

Observational Methods, 190

Summary, 192

Questions and Problems, 192

End Notes, 193

Appendix: Myths of Qualitative Research: It's Conventional, But Is It Wisdom?, 195

\*Case 8-1: Mountain Bell Telephone Company

\*Case 8-2: U.S. Department of Energy (A)

\*Case 8-3: Acura

\*Case 8-4: Exploratory Research on the Lleyton Hewitt National Visa Card

\*Case 8-5: Hamilton Beach Conducts Primary Research in Mexico and Europe

#### **SECTION B: DESCRIPTIVE RESEARCH**

### CHAPTER 9 Information from Respondents: Issues in Data Collection, 198

Learning Objectives, 198

Information from Surveys, 198

Sources of Survey Error, 199

Methods of Data Collection, 204

Factors Affecting the Choice of a Survey Method, 206

Ethical Issues in Data Collection, 209

Summary, 212

Questions and Problems, 212

End Notes, 213

\*Case 9-1: Essex Markets (A)

\*Case 9-2: More Ethical Dilemmas in Marketing Research

## CHAPTER 10 Information from Respondents: Survey Methods, 214

Learning Objectives, 214

Collecting Data, 214

Surveys in the International Context, 240

Summary, 243

Questions and Problems, 244

End Notes, 245

\*Case 10-1: Project DATA: An Urban Transportation Study

\*Case 10-2: Roland Development Corp.

### CHAPTER 11 Attitude Measurement, 247

Learning Objectives, 247

What Are Attitudes?, 248

The Concept of Measurement and Scaling, 249

Types of Attitude Rating Scales, 252

General Guidelines for Developing a Multiple-Item Scale, 264

Interpreting Attitude Scales, 265

Choosing an Attitudinal Scale, 267

Accuracy of Attitude Measurements, 268

Scales in Cross-National Research, 271

Summary, 272

Questions and Problems, 272

End Notes, 274

\*Case 11-1: Wine Horizons

\*Case 11-2: National Kitchens

### CHAPTER 12 Designing the Questionnaire, 275

Learning Objectives, 275

Planning What to Measure, 276

xiv

Formatting the Question, 277

Question Wording: A Problem of Communication, 283

Sequence and Layout Decisions, 289

Questionnaire Design for International Research, 295

Summary, 297

Questions and Problems, 298

End Notes, 301

\*Case 12-1: Essex Markets (B)

\*Case 12-2: Smith's Clothing (A)

\*Case 12-3: Compact Lemon

\*Case 12-4: Wave Mp3 Player

#### SECTION C: CAUSAL RESEARCH

### CHAPTER 13 Experimentation, 303

Learning Objectives, 303

Descriptive versus Experimental Research, 304

What Constitutes Causality?, 306

Issues in Experimental Research, 307

Types of Experimental Designs, 309

Laboratory and Field Experiments, 324

Threats to Experimental Validity, 324

Guidelines for Conducting Experimental Research, 326

Limitations of Experiments, 328

Summary, 331

Questions and Problems, 331

End Notes, 332

\*Case 13-1: Evaluating Experimental Designs

\*Case 13-2: Barrie Food Corporation

#### SECTION D: SAMPLING

### CHAPTER 14 Sampling Fundamentals, 334

Learning Objectives, 334

Sample or Census, 334

Sampling Process, 336

Probability Sampling, 342

Nonprobability Sampling, 349

Shopping Center Sampling, 354

Sampling in the International Context, 356

Summary, 358

Questions and Problems, 359

End Notes, 360

\*Case 14-1: Exercises in Sample Design

\*Case 14-2: Talbot Razor Products Company

## CHAPTER 15 Sample Size and Statistical Theory, 362

Learning Objectives, 362

Determining the Sample Size: Ad Hoc Methods, 362
Population Characteristics/Parameters, 364
Sample Characteristics/Statistics, 365
Sample Reliability, 366
Interval Estimation, 368
Sample Size Question, 369
Proportions, 371
Coefficient of Variation, 372
Stratified Sampling, 374

Multistage Design, 375 Sequential Sampling, 376 Summary, 376 Questions and Problems, 376 End Notes, 378

#### \*Case for Part II

\*Case II-1: Currency Concepts International

### PART III DATA ANALYSIS

## CHAPTER 16 Fundamentals of Data Analysis, 380

Learning Objectives, 380

Preparing the Data for Analysis, 381

Strategy for Data Analysis, 385

Cross-Tabulations, 389

Factors Influencing the Choice of Statistical Technique, 391

An Overview of Statistical Techniques, 393

Summary, 398

Questions and Problems, 398

End Notes, 399

Appendix, 399

## CHAPTER 17 Hypothesis Testing: Basic Concepts and Tests of Associations, 401

Learning Objectives, 401

The Logic of Hypothesis Testing, 402

Steps in Hypothesis Testing, 403

Basic Concepts of Hypothesis Testing, 404

Cross-Tabulation and Chi-Square, 407

Summary, 416

Questions and Problems, 417

End Notes, 417

\*Case 17-1: Medical Systems Associates: Measuring Patient Satisfaction

### CHAPTER 18 Hypothesis Testing: Means and Proportions, 418

Learning Objectives, 418

Commonly Used Hypothesis Tests in Marketing Research, 419

The Probability-Values (*p* Values) Approach to Hypothesis Testing, 427

Effect of Sample Size and Interpretation of Test Results, 428

Relationship between Confidence Interval and Hypothesis Testing, 428

Analysis of Variance (ANOVA), 430

Summary, 438

Questions and Problems, 438

End Notes, 439

\*Case 18-1: American Conservatory Theater

\*Case 18-2: Apple Appliance Stores

#### \*Cases for Part III

\*Case III-1: The Vancouver Symphony Orchestra

\*Case III-2: Popular Pizzas

### PART IV SPECIAL TOPICS IN DATA ANALYSIS

### CHAPTER 19 Correlation Analysis and Regression Analysis, 440

Learning Objectives, 440

Correlation Analysis, 441

Regression Analysis, 445

Summary, 465

Questions and Problems, 466

End Notes, 468

\*Case 19-1: The Seafood Grotto

\*Case 19-2: Ajax Advertising Agency

\*Case 19-3: Election Research, Inc.

## CHAPTER 20 Discriminant and Canonical Analysis, 469

Learning Objectives, 469 Discriminant Analysis, 469

Multiple Discriminant Analysis, 478

Summary of Discriminant Analysis, 482

Canonical Correlation Analysis, 482

Summary of Canonical Correlation

Analysis, 486

Questions and Problems, 486

End Notes, 488

\*Case 20-1: Southwest Utility

### CHAPTER 21 Factor and Cluster Analysis, 489

Learning Objectives, 489

Factor Analysis, 490

Summary of Factor Analysis, 501

Cluster Analysis, 502

Summary of Cluster Analysis, 512

Questions and Problems, 513

End Notes, 513

\*Case 21-1: Store Image Study

\*Case 21-2: Behavioral Research

## CHAPTER 22 Multidimensional Scaling and Conjoint Analysis, 515

Learning Objectives, 515

Multidimensional Scaling, 515

Attribute-Based Approaches, 516

Summary of MDS, 525

Conjoint Analysis, 526

Summary of Conjoint Analysis, 533

Questions and Problems, 534

End Notes, 535

\*Case 22-1: Nester's Foods

\*Case 22-2: Pepsi-Cola

\*Case 22-3: The Electric Truck Case

\*Case 22-4: Fargo Instruments

### CHAPTER 23 Presenting the Results, 537

Learning Objectives, 537

Guidelines for Successful

Presentations, 537

Written Presentation, 544

Oral Presentation, 547

Relationship with the Client, 551

Summary, 552

Questions and Problems, 552

End Notes, 552

### \*Cases for Part IV

\*Case IV-1: Smith's Clothing (B)

\*Case IV-2: Newfood

### PART V APPLICATIONS OF MARKETING INTELLIGENCE

# CHAPTER 24 Traditional Applications: Product, Price, Distribution, and Promotion, 553

Learning Objectives, 553

New-Product Research, 554

Pricing Research, 565

Distribution Research, 567

Promotion Research, 574

Summary, 585

Questions and Problems, 586

End Notes, 587

\*Case 24-1: Brown Microwave

\*Case 24-2: National Chemical

Corporation

\*Case 24-3: U.S. Department of Energy (B)

\*Case 24-4: Hokey Pokey is Born in India

### CHAPTER 25 Contemporary Applications: Competitive Advantage, Brand Equity, Customer Satisfaction, and Total Quality Management, 589

Learning Objectives, 589

Competitive Advantage, 589

Brand Equity, 592

Customer Satisfaction, 598

Total Quality Management, 604

Contemporary Applications of Marketing

Intelligence, 612

Summary, 614

Questions and Problems, 615

End Notes, 615

CHAPTER 26 Emerging Applications:
Database Marketing, E-Commerce,
Mobile Marketing, Social Marketing,
Experiential Marketing, Relationship
Marketing, and Customer Intelligence, 617

Learning Objectives, 617
Database Marketing, 618
E-Commerce, 629
Mobile Marketing, 633
Social Marketing, 634
Experiential Marketing, 637
Relationship Marketing, 637
Recent Trends in Relationship Marketing, 639
Customer Intelligence, 644
Summary, 648

End Notes, 649 Appendix: Forecasting, 650 End Notes for Appendix, 652

Questions and Problems, 649

### Appendix: Tables, 653

**A-1.** Standard Normal, Cumulative Probability in Right-Hand Tail for Positive Values of *z*; Areas Are Formed by Symmetry, *653* 

**A-2.**  $\chi^2$  Critical Points, 654

A-3. F Critical Points, 656

**A-4.** *t* Cut-off Points for the Student's *t*-Distribution, *661* 

A-5. Procedures for Conducting Univariate and Multivariate Analysis in SPSS, 662

A-6. Output of Select Tables in SPSS, 666

### Glossary, 677

Index, 688