

PART I THE NATURE AND SCOPE OF MARKETING RESEARCH 1

- Chapter 1 A Decision-Making Perspective on
Marketing Research 3
- Chapter 2 Marketing Research in Practice 29
- Chapter 3 The Marketing Research Process 47
- Chapter 4 Research Design and
Implementation 67

PART II DATA COLLECTION 103

- Chapter 5 Secondary and Standardized
Sources of Marketing Data 105
- Chapter 6 Marketing Research on the
Internet 150
- Chapter 7 Information Collection: Qualitative
and Observational Methods 178
- Chapter 8 Information from Respondents:
Issues in Data Collection 209
- Chapter 9 Attitude Measurement 247
- Chapter 10 Designing the Questionnaire 275
- Chapter 11 Sampling Fundamentals 299

PART III DATA ANALYSIS 353

Chapter 12 Fundamentals of Data Analysis 355

Chapter 13 Hypothesis Testing 377

Chapter 14 Correlation Analysis and Regression Analysis 410

PART IV APPLICATIONS 449

Chapter 15 Presenting the Results 451

Chapter 16 Applications of Marketing Research 469

APPENDIX 516

Table A-1 Standard Normal Probabilities 516

Table A-2 χ^2 Critical Points 517

Table A-3 *F* Critical Points 518

Table A-4 Cut-off Points for the Student's *t* Distribution 520

A-5 Procedure for Conducting Univariate and Multivariate Analysis in SPSS 521

GLOSSARY 527

INDEX 539

PART I THE NATURE AND SCOPE OF MARKETING RESEARCH 1

Chapter 1 A Decision-Making Perspective on Marketing Research 3

Learning Objectives 3

Introduction 3

DaimlerChrysler 4

Gateway Inc. 4

**Music Samplers on Web Buy CD's
in Stores 5**

**Role of Marketing Research in Managerial
Decision Making 6**

Situation Analysis 7

Strategy Development 9

What Business Should We Be In? 9

How Will We Compete? 10

What Are the Business Objectives? 11

Marketing Program Development 12

Implementation 13

Sprint PCS Wireless Web Updates? 14

**Factors That Influence Marketing Research
Decisions 14**

Relevance 14

Type and Nature of Information Sought 14

Timing 15

Availability of Resources 15

Cost-Benefit Analysis 15

**Using Marketing Research: Does It Guarantee
Success 15**

Marketing Intelligence in Amazon.com 16

Ethics in Marketing Research 18

The Sponsor's Ethics 19

The Supplier's Ethics 20

Abuse of Respondents 20

The Respondent's Ethics and Rights	20
International Marketing Research	21
Marketing Intelligence	22
<i>Summary</i>	25
<i>Key Terms</i>	26
<i>Review Points</i>	26
<i>Questions and Problems</i>	27
<i>Endnotes</i>	28
<i>Case 1-1: Ethics Dilemmas in Marketing Research</i>	
<i>Case 1-2: Dell in Latin America?</i>	

Chapter 2 Marketing Research in Practice 29

Learning Objectives	29
Information Systems, Design Support Systems, and Marketing Research	30
Databases	30
Applying Information Systems to Marketing Research	31
Marketing Decisions Support Systems	31
Characters of an MDSS	33
MDSS Database	33
Report and Displays	34
Analysis Capabilities	34
Models	34
Gaining Insights from an MDSS	34
Suppliers of Information	35
Corporate/In-House marketing Research	36
External Suppliers of the Research Industry	37
Type and Nature of Services	39
Management of Marketing Research	40
Initiation of the Research	40
Research Design	40

Criteria for Selecting External Suppliers	41
The International Marketing Research Industry	42
Career Opportunities in Marketing Research	43
<i>Summary</i>	44
<i>Key Terms</i>	44
<i>Review Points</i>	44
<i>Questions and Problems</i>	45
<i>Endnotes</i>	46
<i>Appendix: Careers in Marketing Research</i>	
<i>Case 2-1: Philip Morris Enters Turkey</i>	

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	48
Step 1: Research Purpose	48
Step 2: Research Objective	54
Step 3: Estimating the Value of Information	58
Tasty Ice Cream: A Case Example of Market Intelligence	60
The International Marketing Research Process	61
<i>Summary</i>	62
<i>Key Terms</i>	63
<i>Review Points</i>	64
<i>Questions and Problems</i>	64
<i>Endnotes</i>	66
<i>Case 3-1: A Vide Ocart Test for Bestway Stores</i>	
<i>Case 3-2: Philips Electronics NV</i>	

Chapter 4 Research Design and Implementation 67

Learning Objectives	67
Research Approach	67
Types of Research	69
Detective Funnel	72
Data Collection Methods	73
Tasty Ice Cream: A Case Example of Market Intelligence (continued)	75
Research Tactics and Implementation	76
Measurement	76
Sampling Plan	76
Anticipating the Analysis	76
Analysis of Value versus Cost and Time Involved	77

Errors in Research Design	77
Budgeting and Scheduling the Research Project	78
Research Proposal	80
Designing International Marketing Research	80
Issues in International Research Design	82
Determining Information Requirements	82
Unit of Analysis	84
Construct, Measurement, Sample, and Analysis Equivalence	85
Summary	86
Key Terms	87
Review Points	87
Questions and Problems	88
Endnotes	89
Case 4-1: Reynold's Tobacco's Slide-Box Cigarettes	
Case 4-2: California Foods Corporation	
Case for Part 1	90
Case I-1: Jones Inc.	90
Appendix A: Errors in Research Design	94
Appendix B: Experimental Research	97

PART II DATA COLLECTION 103

Chapter 5 Secondary and Standardized Sources of Marketing Data 105

Learning Objectives	105
Introduction to Secondary Data	106
Uses of Secondary Data	106
Internal Sources of Secondary Data	107
Internal Records	107
Using Internal Data Effectively	108
Customer Feedback	108
Customer Database	109
External Sources of Secondary Data	109
Published Data Sources	109
Computer-Retrieval Databases	112
Accessing Computer-Retrieval Databases	115
Advantages of Computer-Retrieval Databases	115

Limitations of Computer-Retrieval Methods	116
Census Data	116
Standard Industrial Classification System	119
Appraising Secondary Sources	120
Applications of Secondary Data	120
Demand Estimation	121
Monitoring the Environment	123
Segmentation and Targeting	123
Developing a Business Intelligence System	124
Sources of Secondary Data for International Marketing Research	124
Problems Associated with Secondary Data in International Research	126
Data Accuracy	126
Comparability of Data	126
Applications of Secondary Data in International Research	126
Introduction to Standardized Sources of Marketing Data	127
Retail Store Audits	128
Consumer Purchase Panels	130
Advantages of Consumer Panels	130
Limitations of Consumer Panels	131
Scanner Services and Single-Source Systems	132
Scanner-Based Audit Services	132
Applying Scanner Data	134
Single-Source Systems	135
Media-Related Standardized Sources	139
Nielsen Television Index (NTI)	139
Arbitron Diary Panel	140
Starch Scores	141
Multimedia Services	141
Applications of Standardized Sources of Data	142
Measuring Product Sales and Market Share	142
Measuring Advertisements Exposure and Effectiveness	142
Measuring Promotion Effectiveness	143
Estimation and Evaluation of Models	143
<i>Summary</i>	143
<i>Key Terms</i>	144
<i>Review Points</i>	144
<i>Questions and Problems</i>	146
<i>Endnotes</i>	148
<i>Case 5-1: Barkley Foods</i>	
<i>Case 5-2: Kerry Gold Products, LTD.</i>	

Chapter 6 Marketing Research on the Internet 150

- Learning Objectives 150
- What is Internet? 152
- Characteristics of the Internet 153
- Profile of Web Users 155
- WWW Information for Marketing Decisions 157
- The Internet and Marketing Research Today 160
 - Primary Research 160
 - Secondary Research 165
 - Custom Search Service 166
 - Agents 166
 - Free Information Providers 166
- Tasty Ice-Cream; A Case Example of Market Intelligence (continued) 167
- How to Search for Information on the Web 168
 - International Marketing Research 169
 - Applications of International Market Research—E-Commerce 171
- The Ethical Standpoint for the Internet 171
- The Internet and Marketing Research Developments 173
 - Intranets 173
 - Speed 173
 - The Future of the Internet 174
- Summary* 175
- Key Terms* 175
- Review Points* 175
- Questions and Problems* 176
- Endnotes* 177
- Case 6-1: Caring Children's Hospital*
- Appendix: The Components of the Internet*

Chapter 7 Information Collection: Qualitative and Observational Methods 178

- Learning Objectives 178
- Need for Qualitative Research 178
- Qualitative Research Methods 179
 - Use of Computers in Qualitative Research 180
 - Individual In-depth Interviews 181
 - Focus-Group Discussions 184
 - Projective Techniques 191
 - Ways to Get More Out of qualitative Research 196

Limitations of Qualitative Methods 197

Observational Methods 197

Direct Observation 198

Contrived Observation 198

Content Analysis 198

Physical Trace Measures 199

Humanistic Inquiry 199

Behavior-Recording Devices 199

Limitations of Observational Methods 201

Recent Applications of Qualitative and
Observational Methods 201

Summary 202

Key Terms 203

Review Points 203

Questions and Problems 205

Endnotes 206

Case 7-1: Mountain Bell Telephone Company

Case 7-2: Acura

Chapter 8 Information from Respondents: Issues in Data Collection 209

Learning Objectives 209

Information from Surveys 210

Sources of Survey Error 210

Nonresponse Errors Due to Refusals 211

Inaccuracy in Response 212

Interview Error 213

Methods of Data Collection 215

Collecting Data 217

Personal Interviewing 217

Telephone Interviewing 221

Mail Surveys 224

Electronic Mail Surveys 229

Combinations of Survey Methods 232

Trends in Survey Research 233

Computer-Assisted Telephone Interviewing
(CATI) 233

Tasty Ice-Cream: A Case Example of

Market Intelligence (continued) 236

Surveys in the International Context 236

Personal Interviews 236

Telephone Interviews 236

Mail Surveys 237

E-mail Surveys 238

Factors Affecting the Choice of a Survey
Method 238

Ethical Issues in Data Collection 239

Summary 240

Key Terms 241

Review Points 241

Questions and Problems 244

Endnotes 245

Case 8-1: Essex Markets (A)

Case 8-2: More Ethical Dilemmas in Marketing Research

Chapter 9 Attitude Measurement 247

Learning Objectives 247

What are Attitudes? 248

 Cognitive or Knowledge Component 248

 Affective or Liking Component 249

 Intention or Action Component 249

The Concept of Measurement and Scaling 249

Properties of Measurement Scales 250

Types of Attitude Rating Scales 252

 Single-Item Scales 252

 Multiple Item Scales 260

General Guidelines for Developing a
 Multiple-Item Scale 263

Interpreting Attitude Scales 263

Choosing an Attitudinal Scale 263

Accuracy of Attitude Measurements 265

 Validity 265

 Reliability 266

 Sensitivity 266

 Generalizability 267

 Relevancy 267

Scales in Cross-National Research 267

Summary 268

Key Terms 268

Review Points 269

Questions and Problems 271

Endnotes 273

Case 9-1: Wine Horizons

Case 9-2: National Kitchens

Chapter 10 Designing the Questionnaire 275

Learning Objectives 275

Planning What to Measure 276

Translating Research Objectives into Information
 Requirements 277

 Formatting the Question 277

 Open-Response Questions 278

 Closed-Response Questions 279

Using Both Open-Responses and Closed-Response Questions	283
Question Wording: A Problem of Communication	283
Asking Sensitive Questions	285
Sequence and Layout Decisions	286
Order Bias: Does the Question Create the Answer?	286
Pretesting and Correcting Problems	288
Pretest Design	289
Role of the Pretest	290
Questionnaire Design for International Research	290
Choosing the Questions Format for Cross-National Research	290
Problems Faced in Wording Questions for International Research	291
<i>Summary</i>	293
<i>Key Terms</i>	294
<i>Review Points</i>	294
<i>Questions and Problems</i>	295
<i>Endnotes</i>	297
<i>Case 10-1: Smith's Clothing</i>	
<i>Case 10-2: Compact Lemon</i>	

Chapter 11 Sampling Fundamentals 299

Learning Objectives	299
Sample or Census	299
When a Census Is Appropriate	300
When a Sample Is Appropriate	300
Error in Sampling	300
Sampling Process	301
Determining the Target Population	301
Determining the Sampling Frame	303
Dealing with Population Sampling Frame Differences	304
Selecting a Sampling Procedure	306
Probability Sampling	306
Selecting the Probability Sample	307
Nonprobability Sampling	312
Judgmental Sampling	313
Snowball Sampling	314
Convenience Sampling	314
Quota Sampling	314
Sample Size: Effect of Sample Size on Sampling Distributions	315
Determining the Sample Size: Ad Hoc Methods	316
Rules of Thumb	316

Budget Constraints	317
Comparable Studies	317
Factors Determining Sample Size	318
Population Characteristics/Parameters	318
Sample Characteristics/Statistics	319
Sample Reliability	320
Sample Size Question	320
Based on Statistical Theory	320
Nonresponse Problems	321
Estimating the Effects of Nonresponse	321
Sampling in the International Context	323
Selecting the Sampling Frame	323
Sampling Procedure	324
<i>Summary</i>	325
<i>Key Terms</i>	326
<i>Review Points</i>	326
<i>Questions and Problems</i>	328
<i>Endnotes</i>	330
<i>Appendix A: Determining Sample Statistics</i>	331
<i>Appendix B: Shopping Center Sampling</i>	335
<i>Case 11-1: Exercises in Sample Design</i>	
<i>Case 11-2: Talbot Razor Products Company</i>	

Cases for Part II

<i>Case II-1: Pacific Gas & Electric (A)</i>	338
<i>Case II-2: Currency Concepts International</i>	346

PART III DATA ANALYSIS 353

Chapter 12 Fundamentals of Data Analysis 355

Learning Objectives	355
Preparing the Data for Analysis	356
Data Editing	356
Coding	357
Statistically Adjusting the Data	358
Strategy for Data Analysis	361
Tabulation: Frequency Distribution	361
Tabulation: Descriptive Statistics	362
Difference Between Means or Percentages	364
Cross-Tabulations	364
Factors Influencing the Choice of a Statistical Technique	366
Assumptions Underlying the Test Statistic	366
An Overview of Statistics Techniques	366
Presenting the Results	368

Choice of a Statistical Package	368
Tasty Ice Cream: A Case Example of Market Intelligence (continued)	368
Summary	372
Key Terms	372
Review Points	373
Questions and Problems	374
Endnotes	375

Chapter 13 Hypothesis Testing 377

Learning Objectives	378
The Logic of Hypothesis Testing: An Illustrative Example	378
Steps in Hypothesis Testing	379
Basic Concepts of Hypothesis Testing	379
The Null and the Alternative Hypothesis	379
Choosing the Relevant Statistical Test and the Appropriate Probability Distribution	380
Choosing the Critical Value	381
Cross-Tabulation and Chi-Square	384
The Concept of Statistical Independence	384
Chi-Square as a Test of Independence	385
The Chi-Square Goodness-of-Fit Test	389
Means and Proportions	390
Testing Hypothesis About a Single Mean	390
Samples with Known σ	391
Hypothesis Testing for Differences Between Means	394
Hypothesis Testing of Proportions	396
Hypothesis testing of Differences Between Proportions	397
Relationship Between Confidence Interval and Hypothesis Testing	398
Analysis of Variance (ANOVA)	400
One Factor Analysis of Variance	401
Summary	404
Key Terms	405
Review Points	405
Questions and Problems	406
Endnotes	409
Case 13-1: Medical Systems Associates: Measuring Patient Satisfaction	
Case 13-2: American Conservatory Theater	

Chapter 14 Correlation Analysis and Regression Analysis 410

Learning Objectives 410

Correlation Analysis 411

Simple Correlation Coefficient 411

Testing the Significance of the Correlation Coefficient 415

Partial Correlation Coefficient 415

Measures of Association of Ordinal Variables 416

Regression Analysis 417

Simple Linear Regression Model 418

Summary 425

Key Terms 426

Review Points 426

Questions and Problems 427

Endnotes 430

Case 14-1: The Seafood Grotto

Case 14-2: Ajax Advertising Agency

Case 14-3: Election Research, Inc.

Case for Part III

Case III-1: The Vancouver Symphony Orchestra 431

Appendix 439

PART IV APPLICATIONS 449

Chapter 15 Presenting the Results 451

Learning Objectives 451

Guidelines for Successful Presentations 451

Communicate to a Specific Audience 452

Structure the Presentation 452

Create Audience Interest 454

Be Specific and Visual 455

Address Issues of Validity and Reliability 456

Written Presentation 457

The Organization of the Report 457

Oral Presentation 463

Don't Read 463

Use Visual Aids 463

Make Sure the Start Is Positive 464

Avoid Distracting the Audience 464

Involve the Audience 465

Relationship with the Client	465
<i>Summary</i>	465
<i>Review Points</i>	466
<i>Questions and Problems</i>	466
<i>Endnotes</i>	467

Chapter 16 Applications of Marketing Research 469

Learning Objectives	469
Section I: Traditional Applications of Marketing Research: Product, Price, Distribution, and Promotion	471
New Product Research	471
Pricing Research	477
Distribution Research	481
Promotion Research	483
Sales Promotion Research	488
Section II: Contemporary Applications of Marketing Research	490
Competitive Advantage	490
Brand Equity	490
Customer Satisfaction	494
Section III: Emerging Applications of Marketing Research: Database marketing and Relationship Marketing	497
What is a Database?	497
Elements of a Database	498
Using Databases for Marketing Intelligence	499
Ways to Gather Consumer Data	499
Types of Databases	500
Value-Added Databases	500

Benefits of Databases Marketing 501

Relationship Marketing 506

Summary 507

Key Terms 508

Review Points 508

Questions and Problems 509

Endnotes 510

Case 16-1: Brown Microwave

Case 16-2: National Chemical Corporation

Case for Part IV

Case IV-1: Levi Strauss & Co. 513

APPENDIX 516

Table A-1 Standard Normal Probabilities 516

Table A-2 χ^2 Critical Points 517

Table A-3 *F* Critical Points 518

Table A-4 Cut-off Points for the Student's *t*
Distribution 520

A-5 Procedure for Conducting Univariate and
Multivariate Analysis in SPSS 521

GLOSSARY 527

INDEX 539