## **CONTENTS**

Preface			xi
I.	INTRODUCTION		
	1.	Response Models for Marketing Management	3
		Modeling Marketing Systems	4
		Empirical Response Models	8
		Marketing Management Tasks	10
		Marketing Information	13
		Model-Based Planning and Forecasting	16
		Plan of the Book	19
	2.	Markets, Data, and Sales Drivers	23
		Markets	24
		Data	25
		Response Measures and Drivers	48
		Aggregation	70
		Road Map of Market Response Modeling Techniques	75
II.	MARKET RESPONSE IN STATIONARY MARKETS		87
	3.	Design of Static Response Models	89
		Relations Among Variables	90
		Functional Forms	94
		Aggregation of Relations	129

	4.	Design of Dynamic Response Models	139
		Specification Issues in Dynamic Models	140
		Discrete Time Models of Carryover	142
		Shape of the Response Function Revisited	156
		Reaction Functions	166
		Temporal Aggregation Revisited	173
		Marketing Models and Prior Knowledge	178
	5.	Parameter Estimation and Model Testing	183
		Classification of Variables	184
		Estimation	185
		Testing	201
		Flexible Functional Forms	225
		Model Selection	229
		Confirmatory vs. Exploratory Data Analysis	240
II.	MARI	KET RESPONSE IN EVOLVING MARKETS	249
	6.	Single Marketing Time Series	251
		Why Analyze Single Marketing Time Series?	252
		The Components of a Time Series	253
		Univariate Time Series Models	262
		Model Identification and Estimation	269
		Evolution vs. Stationarity	279
	7.	Multiple Marketing Time Series	285
		The Transfer Function Model	286
		Multivariate Persistence	298
		Incorporating Long-Term Equilibrium Conditions	303
		Diagnosing Long-Term Marketing Strategic Scenarios	305
		Empirical Causal Ordering	309
		On Using Time Series Analysis	315
			2 1 2

IV.	SOL	SOLVING MARKETING PROBLEMS WITH ETS							
	8.	Empirical Findings and Managerial Insights	319						
		Measuring Marketing Effects	320						
		Empirical Marketing Generalizations	324						
		Brand-Level Findings and Generalizations	328						
		Industry-Level Findings and Generalizations	350						
	9.	Making Marketing Plans and Sales Forecasts	357						
		Optimal Marketing Decisions	358						
		Embedded Competition	367						
		Forecasting	374						
		Forecasting without Market Response Models	386						
		Forecasting with Market Response Models	390						
		Simulation with Market Response Models	398						
		Combining Forecasting Methods and Models	399						
٧.	Conclusion		405						
	10.	Implementation	407						
		Nature of Implementation	408						
		Factors Affecting Implementation	412						
		The Demand for Market Response Models	420						
Bibliography			427						
Author Index Company/Brand Index Industry/Category/Product Index									
					Subject Index				