Quantitative Tourism Industry Analysis

Introduction to Input-Output, Social Accounting Matrix Modeling and Tourism Satellite Accounts

Tadayuki Hara

CD-ROM INCLUDED

B/H

Contents

Dedication *vii*
Epigraph *ix*
Preface *xi*

Chapter 1 Introduction to Tourism as an Industry **1**
1.1 Relative position of the tourism industry in national and regional economies 2
1.2 Difficulty in measuring tourism as an industry 13
1.3 Unique characteristics of the economic impact of the tourism industry 14
1.4 Problems for chapter 1 20
1.5 References and further reading 21

Chapter 2 Introduction to Quantitative Methods for Tourism Industry Analysis **23**
2.1 Overview of academic research for hospitality and tourism 24
2.2 Overview of analytical research 24
2.3 Qualitative method 25
2.4 Quantitative methods 27
2.5 Nonstochastic (deterministic) model 34
2.6 Chapter 2 problems 36
2.7 References and further reading 38

Chapter 3 Input-Output Model and its Application **39**
3.1 Brief history 40
3.2 Conceptual introduction to simple input-output modeling 40
3.3 Structure of input-output transaction table 42
3.4 Steps from transaction table to Leontief inverse matrix 44
3.5 Multiplier calculations in the input-output framework 54
3.6 Structural limitations of input-output modeling 66
3.7 Applications of impact studies 69
3.8 Varieties of additional concepts on input-output modeling 85
3.9 Questions from students 101
3.10 Chapter 3 problems 107
3.11 References and further reading 112

Chapter 4 Social Accounting Matrix Model and its Application **115**
4.1 Brief history 116
4.2 Conceptual introduction to simple modeling of social accounting matrix 116
4.3 Structure of the social accounting matrix table 121
4.4 Economic impact analysis using social accounting matrix 131
4.5 Applications of social accounting matrix for impact studies 137
4.6 Questions from students 138
4.7 Chapter 4 problems 141
4.8 References and further reading 146

Chapter 5 Introduction to Tourism Satellite Accounts **149**
5.1 Brief history 150
5.2 Some key concepts 151
5.3 General compositions tourism satellite accounts 154
5.4 Tourism satellite accounts case studies 157
5.5 Discussions from students 193
5.6 Chapter 5 problems 200
5.7 References and further reading 201

Chapter 6 Future Directions and Explorations **205**
6.1 Poverty alleviation effects of tourism as an industry 206
6.2 Modeling environmental effect of industrial activities 242
6.3 Summary 246
6.4 Chapter 6 problems 246
6.5 References and further reading 247

List of Abbreviations *251*
Index *253*