

STIMSON · STOUGH · ROBERTS

Regional Economic Development 2nd Edition

The second edition of this book is completely reedited making the book even more valuable for graduate students, reflecting recent advances and adding insightful new material.


The book is about the analysis of regional economic performance and change, and how analysis integrates with strategies for local and regional economic development policy and planning. First, the book provides the reader with an overview of key theoretical and conceptual contexts within which the economic development process takes place. However, the deliberate emphasis is to provide the reader with an account of quantitative and qualitative approaches to regional economic analysis and of old and new strategic frameworks for formulating regional economic development planning.

The second edition brings to the present its original thesis about the need for regions to be fast and flexible, but also to be proactive in order to be prepared to experience increasingly greater shocks while having less time to adjust their economic development to achieve sustainability. This is underscored by events that have occurred since 2001: 9/11 terrorist attacks, continuing rapid advances in technology, the rise China and India, the Tsunami, and all the known on-going and unforeseen risks and challenges that confront nations around the globe and the regions and localities within them. The book presents strategies and the traditional and expanded methods used to create and implement them.

ISBN 978-3-540-34826-9



9 783540 348269

 springer.com

Contents

	Foreword	V
	Acknowledgements	VII
	Preface	IX
1	Perspectives on Regional Economic Development	1
	1.1 Regions in the New Global Economy	1
	1.2 What Is Regional Economic Development?	4
	1.3 Understanding How Regional Economies Work and the Challenge that Represents for Development Planning	7
	1.4 The Changing Paradigms Shaping Economic Development Policy and Strategy	11
	1.5 Some Core Theories and Models of Regional Economic Development	18
	1.6 Thinking Global While Acting Local	36
	1.7 Sustainable Development	39
	1.8 Schools Shaping Thinking About Regional Economic Development Strategy and Planning	42
	1.9 New Tools, New Strategies for Regional Economic Development Planning	46
	1.10 Scope and Structure of this Book	49
2	The Regional Economic Development Movement: The Evolution of Strategy from Early to Contemporary Approaches	53
	2.1 The Changing Context	53
	2.2 The Changing Objectives of Local Economic Development Policy	55
	2.3 Approaches to Planning for Regional Development in the 1970s and 1980s	61
	2.4 Monitoring Outcomes of Economic Development Programs	73
	2.5 The Strategic Planning Approach	76
	2.6 The Concern with Sustainable Development	84

	2.7 An Enabling Planning Framework for Regional Economic Strategy Formulation	98
	2.8 Summary	103
3	Traditional Tools for Measuring and Evaluating Regional Economic Performance I: Economic Base and Shift-Share Analysis	105
	3.1 The Need to Measure Regional Economic Performance	105
	3.2 Economic Base Theory and Industrial Targeting	106
	3.3 Shift-Share Analysis	114
	3.4 Critiques and Extensions of Traditional Shift-Share Analysis	121
	3.5 Using the Regional Shift Component as a Dependent Variable to Model Determinants of Spatial Variation in Regional Endogenous Growth: A Case Study of Queensland, Australia	136
	3.6 Data Envelopment Analysis (DEA)	144
	3.7 Conclusions	154
4	Traditional Tools for Measuring and Evaluating Regional Economic Performance II: Input-Output Analysis	157
	4.1 Measuring Regional Inter-Industry Linkages	157
	4.2 Compiling a Regional Input-Output Table	157
	4.3 Exogenous and Endogenous Effects	161
	4.4 Using Input-Output Analysis to Measure Impact of an Economic Activity	162
	4.5 Using Input-Output Analysis as a Predictive Tool	164
	4.6 A Forecasting Application of Input-Output Analysis: An Economic Development Strategy for the Brisbane South East Queensland Region, Australia	165
	4.7 Using Sub-Regional Input-Output Analysis to Measure Impact Assessment	187
	4.8 New and Emerging Extensions to Input-Output Models and Conclusions	189
5	Path Setting: An Approach to Regional Economic Development Futures	191
	5.1 New Approaches in the Contemporary Era	191
	5.2 Futures	191
	5.3 Analyzing Futures	199
	5.4 Recent Developments in Economic Strategy Formulation	206
	5.5 A New Synthetic Strategic Framework for Planning	222

5.6	The Future Direction of Strategy for Regional Economic Development	232
5.7	Summary	235
6	Industry Clusters and Industry Cluster Analysis	237
6.1	A New Context	237
6.2	Globalization, Industry Structure and Localization	238
6.3	Industry Clusters: A Contemporary Strategy	242
6.4	A Basic Approach to Building Industry Clusters	246
6.5	Industry Clusters as the New Engines of Metropolitan Economies in the US	252
6.6	Quantitative Analysis to Identify and Measure Regional Industry Clusters	257
6.7	The Process for a Region Undertaking Cluster Industry Development	270
6.8	Conclusions	276
7	Multi-Sector Analysis : Approaches to Assessing Regional Competitiveness and Risk	279
7.1	The Need for a New Technique	279
7.2	Theoretical Basis for Multi-Sector Analysis (MSA)	281
7.3	Using MSA for Regional Strategy	288
7.4	The Process for Operationalising the MSA Approach	299
7.5	Examples Applying Multi-Sector Analysis	303
7.6	Future Development of Multi-Sector Analysis	317
8	Capacity Building, Institutions and Leadership for Regional Economic Development	319
8.1	An Emerging New Perspective on Regional Capacity Building	319
8.2	Endogenous Processes	320
8.3	Social Capital	321
8.4	Leadership and Institutional Capacity Building	322
8.5	Leadership and Regional Economic Development: A Conceptual Model	323
8.6	Re-Engineering Regions and Rapid Response	334
8.7	Networks, Strategic Alliances and Network Resources	341
8.8	Conclusions	346
9	Decision Support Tools to Inform Regional Economic Development Analysis and Strategy	349
9.1	Using Spatial Information Technology to Build Decision Support Systems	349

9.2	Geographic Information Systems	351
9.3	Case Study of a GIS to Support Economic Development Decision Making	352
9.4	A Spatial Decision Support System	358
9.5	Integrating Quantitative and Qualitative Analysis	367
9.6	A Spatial Optimization Modelling and Visualization Capacity	373
9.7	Spatial Analysis of Geographic Clustering of Industry Clusters	382
9.8	Conclusions	383
10	Emerging Issues for Regional Economic Development	385
10.1	A Rapidly Changing World: The Need for a New Paradigm	385
10.2	Future Directions of Regional Economic Strategy	389
10.3	Managing Risk	395
10.4	The Evolution of Analytical Tools	399
10.5	The Challenge of the Virtual Economy	401
10.6	Sustainable Development	407
10.7	Being Fast and Flexible in Search of Sustainable Development	413
	Figures	415
	Tables	419
	References	423
	Index	449