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Geoffrey J.D. Hewings · Michael Sonis
Moss Madden · Yoshio Kimura
Editors

Understanding and Interpreting Economic Structure

With 42 Figures
and 75 Tables



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This book is dedicated to Professor Ken'ichi Miyazawa

Preface

In 1976, volume 116 of the *Lecture Notes in Economics and Mathematical Systems* appeared in the library of the University of Illinois. The title of the book, *Input-Output Analysis and the Structure of Income Distribution* was sufficiently intriguing to one of the present editors (Hewings) to command attention. Some years later, during the First World Congress of the Regional Science Association in Cambridge Massachusetts in 1980, Madden and Batey presented some of their work using their now familiar demographic-economic modeling system. Discussion ensued about the relationship between this system, Miyazawa's formulation and the social accounting matrices most closely associated with the work of Stone. During a year's residence at the University of Illinois, Batey was able to produce a valuable typology of multipliers that began the process of integrating these several modeling systems into a coherent package. Thereafter, a number of regional scientists have exploited the ideas and insights proposed by Miyazawa, especially the notion of the interrelational income multiplier and the ideas of internal and external multipliers.

At the Fifth World Congress of what is now referred to as the Regional Science Association International in Tokyo in 1996, a series of sessions in honor of Professor Miyazawa's contributions was organized. Many of the papers in this volume were originally presented at that meeting; they have subsequently been revised for publication. Several other authors who were unable to be present in Tokyo nonetheless contributed chapters; the presentations reflect a broad sweep of analysis based in whole or part on some of the ideas that Miyazawa contributed to the analysis of the interactions between demographic and economic components or to the ways in which multiregional systems interact.

The Editors would like to thank Professor Hirotada Kohno, the organizer of the Fifth World Congress, for his assistance in facilitating the logistics associated with the sessions and providing additional encouragement for this project. Barbara Bonnell has assisted in the formatting of many of the chapters. Marianne Bopp at Springer has been supportive and helpful throughout the production process; it has been a real pleasure to work with her on this project.

Finally, the Editors would like to thank the many foundations, donors, and university research funds whose contributions made it possible for them to meet in

places as diverse as Tokyo, Falmouth (England), Urbana (USA) and Wellington (New Zealand). It is hoped that some of the stimulation and pleasure of these interactions is reflected in this volume. We would like to thank Professor Miyazawa for the stimulating ideas he has shared with our profession; this volume is a small token of our gratitude and an indication of the influence that Miyazawa's work has had on the field of regional science.

Geoffrey J.D. Hewings
Michael Sonis

Moss Madden
Yoshio Kimura

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