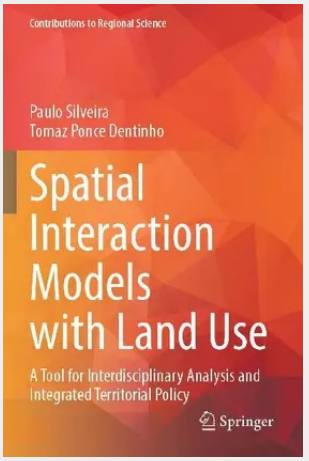
Silveira / Dentinho

Spatial Interaction Models with Land Use

A Tool for Interdisciplinary Analysis and Integrated Territorial Policy



This book develops spatial interaction models for the analysis of human interaction within space, in terms of both accessibility and land use. Presenting case studies on the Azores and Morocco, it covers applications in various regions of Europe and Africa. The respective models simulate land use, employment, households, commuting and shopping movements and land values, employment distribution for basic activities, changes in accessibility, and changes in land suitability due to climate change.

This book will appeal to scholars and students of regional and spatial science, ecological economics, and agricultural economics, as well as to spatial planners and practitioners dealing with issues of spatial planning to address such problems as unsustainable land use, adaptation to climate change, desertification of rural areas heavily dependent on land use, and the impacts of external shocks on land and property values.

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