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Titolo	Modelling transport [[electronic resource] /] / Juan de Dios Ortuzar, Luis G. Willumsen
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Nota di contenuto	MODELLING TRANSPORT; Contents; About the Authors; Preface; 1 Introduction; 1.1 Transport Planning and Modelling; 1.1.1 Background; 1.1.2 Models and their Role; 1.2 Characteristics of Transport Problems; 1.2.1 Characteristics of Transport Demand; 1.2.2 Characteristics of Transport Supply; 1.2.3 Equilibration of Supply and Demand; 1.3 Modelling and Decision Making; 1.3.1 Decision-making Styles; 1.3.2 Choosing Modelling Approaches; 1.4 Issues in Transport Modelling; 1.4.1 General Modelling Issues; 1.4.2 Aggregate and Disaggregate Modelling; 1.4.3 Cross-section and Time Series 1.4.4 Revealed and Stated Preferences 1.5 The Structure of the Classic Transport Model; 1.6 Continuous Transport Planning; 1.7 Theoretical Basis Versus Expediency; 2 Mathematical Prerequisites; 2.1 Introduction; 2.2 Algebra and Functions; 2.2.1 Introduction; 2.2.2 Functions and Graphs; 2.2.3 Sums of Series; 2.3 Matrix Algebra; 2.3.1 Introduction; 2.3.2 Basic Operations of Matrix Algebra; 2.4 Elements of Calculus; 2.4.1 Differentiation; 2.4.2 Integration; 2.4.3 The Logarithmic

and Exponential Functions; 2.4.4 Finding Maximum and Minimum Values of Functions
2.4.5 Functions of More Than One Variable 2.4.6 Multiple Integration;
2.4.7 Elasticities; 2.4.8 Series Expansions; 2.5 Elementary Mathematical Statistics; 2.5.1 Probabilities; 2.5.2 Random Variables; 2.5.3 Moments around Zero; 2.5.4 More Advanced Statistical Concepts; 3 Data and Space; 3.1 Basic Sampling Theory; 3.1.1 Statistical Considerations; 3.1.2 Conceptualisation of the Sampling Problem; 3.1.3 Practical Considerations in Sampling; 3.2 Errors in Modelling and Forecasting; 3.2.1 Different Types of Error; 3.2.2 The Model Complexity/Data Accuracy Trade-off; 3.3 Basic Data-Collection Methods
3.3.1 Practical Considerations 3.3.2 Types of Surveys; 3.3.3 Survey Data Correction, Expansion and Validation; 3.3.4 Longitudinal Data Collection; 3.3.5 Travel Time Surveys; 3.4 Stated Preference Surveys; 3.4.1 Introduction; 3.4.2 The Survey Process; 3.4.3 Case Study Example; 3.5 Network and Zoning Systems; 3.5.1 Zoning Design; 3.5.2 Network Representation; Exercises; 4 Trip Generation Modelling; 4.1 Introduction; 4.1.1 Some Basic Definitions; 4.1.2 Characterisation of Journeys; 4.1.3 Factors Affecting Trip Generation; 4.1.4 Growth-factor Modelling; 4.2 Regression Analysis
4.2.1 The Linear Regression Model 4.2.2 Zonal-based Multiple Regression; 4.2.3 Household-based Regression; 4.2.4 The Problem of Non-Linearity; 4.2.5 Obtaining Zonal Totals; 4.2.6 Matching Generations and Attractions; 4.3 Cross-Classification or Category Analysis; 4.3.1 The Classical Model; 4.3.2 Improvements to the Basic Model; 4.3.3 The Person-category Approach; 4.4 Trip Generation and Accessibility; 4.5 The Frequency Choice Logit Model; 4.6 Forecasting Variables in Trip Generation Analysis; 4.7 Stability and Updating of Trip Generation Parameters; 4.7.1 Temporal Stability
4.7.2 Geographic Stability

Sommario/riassunto

Already the market leader in the field, Modelling Transport has become still more indispensable following a thorough and detailed update. Enhancements include two entirely new chapters on modelling for private sector projects and on activity-based modelling; a new section on dynamic assignment and micro-simulation; and sizeable updates to sections on disaggregate modelling and stated preference design and analysis. It also tackles topical issues such as valuation of externalities and the role of GPS in travel time surveys. Providing unrivalled depth and breadth of coverage, each topic

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Descrizione fisica	1 online resource (xv, 358 pages) : digital, PDF file(s)
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Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. I. The design of mediated music and sound -- pt. II. Space, sound and affect in everyday lifeworlds -- pt. III. Music, identity, alterity and the politics of space -- pt. IV. Music and sound : torture, healing and love.
Sommario/riassunto	Music, Sound and Space is the first collection to integrate research from musicology and sound studies on music and sound as they mediate everyday life. Music and sound exert an inescapable influence on the contemporary world, from the ubiquity of MP3 players to the controversial use of sound as an instrument of torture. In this book, leading scholars explore the spatialisation of music and sound, their capacity to engender modes of publicness and privacy, their constitution of subjectivity, and the politics of sound and space. Chapters discuss music and sound in relation to distinctive genres,

technologies and settings, including sound installation art, popular music recordings, offices and hospitals, and music therapy. With international examples, from the Islamic soundscape of the Kenyan coast, to religious music in Europe, to First Nation musical sociability in Canada, this book offers a new global perspective on how music and sound and their spatialising capacities transform the nature of public and private experience.
