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# FORECASTING URBAN TRAVEL

Past, Present and Future

**David E. Boyce**, Professor Emeritus, University of Illinois at Chicago and Northwestern University, US and  
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*Forecasting Urban Travel* presents in a non-mathematical way the evolution of methods, models and theories underpinning travel forecasts and policy analysis, from the early urban transportation studies of the 1950s to current applications throughout the urbanized world. From original documents, correspondence and interviews, especially from the United States and the United Kingdom, the authors seek to capture the spirit and problems faced in different eras, as changing information requirements, computing technology and planning objectives conditioned the nature of forecasts.

With over 1000 references, the book charts the key ideas relating to land use, travel demand, network costs and flows, and their interactions, from both research and practice to the present states of the art. The authors examine the widening scope and variety of models for analysing and forecasting personal travel and goods movement, identifying contributions from economics, psychology, geography, regional science, operational research, transportation engineering and mathematics. Finally, they offer their views of the future directions and requirements facing the field.

Offering a historical presentation of urban forecasting models covering six decades, accessible to a wide range of students, researchers and planners, this book will be of great interest to undergraduate and graduate students in transportation courses in civil engineering, economics, geography, regional science and planning. Through its discussion of critiques and missed opportunities as travel demand, network and land-use transportation models evolved, the book will also serve as a valuable resource for teachers, academic researchers and practitioners in travel behaviour and forecasting.



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