

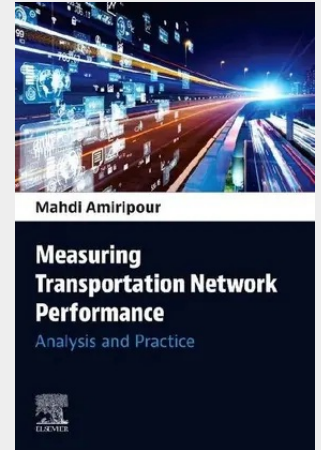
Measuring Transportation Network Performance

Analysis and Practice

Measuring Transportation Network Performance: Analysis and Practice is a comprehensive guide for defining and constructing performance measures for transportation networks. It introduces the technical requirements necessary for establishing a successful transportation network performance measurement system, enabling transportation professionals to define, analyze, and interpret changes in the transportation network more effectively. It employs practical examples to highlight challenges encountered in network performance monitoring and to point out common errors and ultimately enhance their comprehension of the network. Network performance measures are crucial for a comprehensive understanding of transportation networks, and they can be significantly enhanced with big data. Incorporating big data allows engineers to analyze transportation networks with greater precision, enabling decision-makers to make more informed choices. This book is specifically designed to aid professionals in the development, analysis, and interpretation of transportation network performance measures by presenting and explaining the most significant performance measures across various modes of transport. Readers from a range of backgrounds—from transportation planners and engineers in industry, to transport departments and consultancies that provide professional services to the public sector—will find this a valuable resource for gaining the confidence to use transportation data to narrate stories about developments within the transport network, bridging the gap between data and storytelling for efficient problem solving.

Measuring Transportation Network Performance: Analysis and Practice provides a comprehensive guide on how to define and construct performance measures for transportation networks. Sections introduce the technical requirements necessary for establishing a successful transportation network performance measurement system, enabling transportation professionals to define, analyze, and interpret changes in the transportation network more effectively. Practical examples are used to highlight challenges encountered in network performance monitoring, and to point out common errors to enhance comprehension of the network. This book is specifically designed to aid professionals by presenting and explaining the most significant performance measures across various modes of transport.

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