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Innovative Web Applications for Analyzing Traffic Operations

 Springer

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Preface

The road traffic along with other key infrastructure sectors such as telecommunication, power, and others has an important role in the economic and technological growth of one country. Traffic engineers and analysts are responsible for solving a diversity of traffic problems, such as traffic data acquisition and evaluation. In response to the need to improve traffic operation, researchers implement advanced technologies and integration of systems and data and develop state-of-the-art applications. This book introduces three novel web applications with an aim to offer traffic operators, managers, and analysts the possibility to monitor the congestion and analyze incidents and signal performance measures. They offer more detailed analysis providing users with insights from different levels and perspectives. The benefit of providing these visualization tools is more efficient estimation of the performance of local transport networks, thus facilitating the decision-making process in case of emergency events.

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