Data Science and Simulation in Transportation Research

Part of the Advances in Data Mining and Database Management Book Series

Davy Janssens (Hasselt University, Belgium),
Ansar-Ul-Haque Yasar (Hasselt University, Belgium), and
Luk Knapen (Hasselt University, Belgium)

Given its effective techniques and theories from various sources and fields, data science is playing a vital role in transportation research and the consequences of the inevitable switch to electronic vehicles. This fundamental insight provides a step towards the solution of this important challenge.

Data Science and Simulation in Transportation Research highlights entirely new and detailed spatial-temporal micro-simulation methodologies for human mobility and the emerging dynamics of our society. Bringing together novel ideas grounded in big data from various data mining and transportation science sources, this book is an essential tool for professionals, students, and researchers in the fields of transportation research and data mining.

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Davy Janssens graduated in 2001 as Commercial Engineer in Management Informatics at Limburg University. After his graduation, he worked as PhD candidate and teaching assistant at Hasselt University within the faculty of Applied Economic Sciences. In 2005 he got his PhD at Hasselt University, where he is now working as a professor. He is teaching different courses in the domain of transportation planning. At the level of scientific research, he is a member of the Transportation Research Institute (IMOB) at Hasselt University, where he is programme leader in the domain of travel behaviour research. His area of interest is also situated within the application domain of advanced quantitative modelling (e.g. data mining), such as Bayesian networks and research about Reinforcement Learning and in activity-based transportation modelling.

Data Science And Simulation In Transportation Research

Minjie Lin

Data Science And Simulation In Transportation Research:

Unveiling the Magic of Words: A Overview of "**Data Science And Simulation In Transportation Research**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their ability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Data Science And Simulation In Transportation Research**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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