

# Big Data Analytics in Traffic and Transportation Engineering: Emerging Research and Opportunities

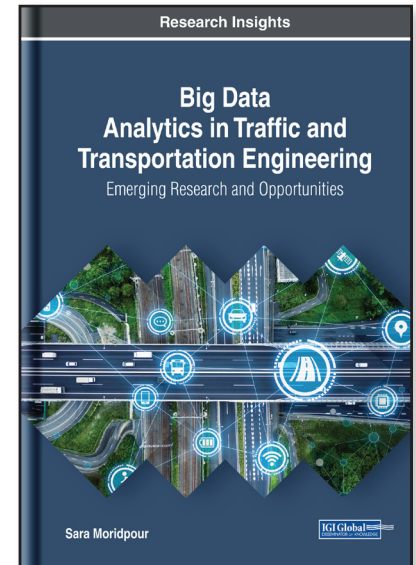
Part of the Advances in Civil and Industrial Engineering Book Series

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## Description:

Recent research reveals that socioeconomic factors of the neighborhoods where road users live and where pedestrian-vehicle crashes occur are important in determining the severity of the crashes, with the former having a greater influence. Hence, road safety countermeasures, especially those focusing on the road users, should be targeted at these high risk neighborhoods.

**Big Data Analytics in Traffic and Transportation Engineering: Emerging Research and Opportunities** is an essential reference source that discusses access to transportation and examines vehicle-pedestrian crashes, specifically in relation to socioeconomic factors that influence them, main predictors, factors that contribute to crash severity, and the enhancement of pedestrian safety measures. Featuring research on topics such as public transport, accessibility, and spatial distribution, this book is ideally designed for policymakers, transportation engineers, road safety designers, transport planners and managers, professionals, academicians, researchers, and public administrators.



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## Topics Covered:

- Accessibility
- Crash Modelling
- Crash Severity
- Metropolitan
- Public Transport
- Socioeconomic
- Spatial Distribution
- Sustainable Transportation
- Temporal Distribution
- Travel Measurement
- Vehicle-Pedestrian Crashes

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