



## METADATA

**Title:** Quantitative Methods in Transportation and Traffic Engineering

**Other Titles:** -

**Language:** Greek

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**ISBN:** 978-618-228-230-4

**Subject:** ENGINEERING AND TECHNOLOGY

**Keywords:** Traffic flow theory / Transportation systems / Optimization / Forecasting prediction / Traffic Simulation

**Bibliographic Reference:** Vlahogianni, E., & Kepaptsoglou, K. (2024). Quantitative Methods in Transportation and Traffic Engineering [Undergraduate textbook]. Kallipos, Open Academic Editions. <http://dx.doi.org/10.57713/kallipos-967>

### Abstract

This book deals with the application of quantitative methods in transport planning and traffic engineering. It includes basic theoretical elements of statistics, econometrics, time series analysis, machine learning, deep learning, simulation and mathematical programming. Also, it focuses on the applications of the above in the design and analysis of transportation systems and in many traffic engineering problems. The aim is for the reader to acquire fundamental knowledge

in relation to the methodological tools applied in the context of transport planning and traffic engineering. This book is intended for advanced undergraduate, graduate, and doctoral students in disciplines related to transportation system design and traffic engineering. The book also serves as a technical reference for researchers and practitioners who wish to examine and understand a wide range of quantitative methods in transportation engineering problems.

