1. Record Nr.   UNINA9910583358703321

   Autore   Molugaram Kumar

   Titolo   Statistical techniques for transportation engineering / / Kumar Molugaram, G. Shanker Rao

   Pubbl/distr/stampa Oxford, England ; ; Cambridge, Massachusetts : , : Butterworth-Heinemann, , 2017
                       ©2017

   ISBN   0-12-811642-0

   Edizione   [1st edition]

   Descrizione fisica 1 online resource (555 pages) : illustrations

   Disciplina   625.0684

   Soggetti   Transportation engineering
                       Transportation engineering - Statistical methods

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Includes index.

   Sommario/riassunto Statistical Techniques for Transportation Engineering is written with a systematic approach in mind and covers a full range of data analysis topics, from the introductory level (basic probability, measures of dispersion, random variable, discrete and continuous distributions) through more generally used techniques (common statistical distributions, hypothesis testing), to advanced analysis and statistical modeling techniques (regression, AnoVa, and time series). The book also provides worked out examples and solved problems for a wide variety of transportation engineering challenges. Demonstrates how to effectively interpret, summarize, and report transportation data using appropriate statistical descriptors Teaches how to identify and apply appropriate analysis methods for transportation data Explains how to evaluate transportation proposals and schemes with statistical rigor