

1. Record Nr.	UNINA9910483099803321
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Titolo	Mobility data-driven urban traffic monitoring // Zhidan Liu, Kaishun Wu
Pubbl/distr/stampa	Gateway East, Singapore : , : Springer, , [2021] ©2021
ISBN	981-16-2241-8
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XI, 69 p. 21 illus., 18 illus. in color.)
Collana	SpringerBriefs in Computer Science, , 2191-5768
Disciplina	388.3140723
Soggetti	Traffic monitoring - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 Introduction -- Chapter 2 Urban Traffic Monitoring from Mobility Data -- Chapter 3 A Compressive Sensing based Traffic Monitoring Approach -- Chapter 4 A Dynamic Correlation Modeling based Traffic Monitoring Approach -- Chapter 5 A Crowdsensing based Traffic Monitoring Approach. -Chapter 6 Conclusion and Future Work.
Sommario/riassunto	This book introduces the concepts of mobility data and data-driven urban traffic monitoring. A typical framework of mobility data-based urban traffic monitoring is also presented, and it describes the processes of mobility data collection, data processing, traffic modelling, and some practical issues of applying the models for urban traffic monitoring. This book presents three novel mobility data-driven urban traffic monitoring approaches. First, to attack the challenge of mobility data sparsity, the authors propose a compressive sensing-based urban traffic monitoring approach. This solution mines the traffic correlation at the road network scale and exploits the compressive sensing theory to recover traffic conditions of the whole road network from sparse traffic samplings. Second, the authors have compared the traffic estimation performances between linear and nonlinear traffic correlation models and proposed a dynamical non-linear traffic correlation modelling-based urban traffic monitoring approach. To address the challenge of involved huge computation overheads, the approach adapts the traffic modelling and estimations tasks to Apache Spark, a popular parallel computing framework. Third, in addition to

mobility data collected by the public transit systems, the authors present a crowdsensing-based urban traffic monitoring approach. The proposal exploits the lightweight mobility data collected from participatory bus riders to recover traffic statuses through careful data processing and analysis. Last but not the least, the book points out some future research directions, which can further improve the accuracy and efficiency of mobility data-driven urban traffic monitoring at large scale. This book targets researchers, computer scientists, and engineers, who are interested in the research areas of intelligent transportation systems (ITS), urban computing, big data analytic, and Internet of Things (IoT). Advanced level students studying these topics benefit from this book as well.

2. Record Nr.	UNINA9910166654003321
Titolo	Borderland lives in northern South Asia // edited by David N. Gellner ; with an afterword by Willem van Schendel
Pubbl/distr/stampa	Durham NC, : Duke University Press, 2014 Durham : , : Duke University Press, , 2013
ISBN	9780822355564 0822355566 9780822377306 0822377306
Descrizione fisica	1 online resource (319 p.)
Altri autori (Persone)	GellnerDavid N SchendelWillem van
Disciplina	306.20954
Soggetti	Asian history South Asia Boundaries History South Asia Politics and government South Asia Relations South Asia Social conditions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto

Introduction: Northern South Asia's diverse borders, from Kachchh to Mizoram / David N. Gellner -- Borders without borderlands : on the social reproduction of state demarcation in Rajasthan / Anastasia Piliavsky -- Allegiance and alienation : border dynamics in Kargil / Radhika Gupta -- Naturalizing the Himalaya-as-border in Uttarakhand / Nayanika Mathur -- On the way to India : Nepali rituals of border crossing / Sondra L. Hausner and Jeevan R. Sharma -- The perils of being a borderland people : on the Lhotshampas of Bhutan / Rosalind Evans -- Developing the border : state and the political economy of development in Arunachal Pradesh / Deepak K. Mishra -- The micropolitics of borders : the issue of Greater Nagaland (or Nagalim) / Vibha Joshi -- Nodes of control in a South(east) Asian borderland / Nicholas Farrelly -- Histories of belonging(s) : narrating territory, possession, and dispossession at the India-Bangladesh border / Jason Cons -- Geographies and identities : subaltern partition stories along Bengal's southern frontier / Annu Jalais -- Afterword: Making the most of "sensitive" borders / Willem van Schendel.

Sommario/riassunto

This volume presents essays on the peoples living along India's borders with Bangladesh, Bhutan, Burma/Myanmar, China, and Nepal reveal Northern South Asia as a region encompassing radically different ways of life and relationships to the state.
