

1. Record Nr.	UNISA996465364603316
Titolo	Big Data Analytics for Time-Critical Mobility Forecasting [[electronic resource]] : From Raw Data to Trajectory-Oriented Mobility Analytics in the Aviation and Maritime Domains // edited by George A. Vouros, Gennady Andrienko, Christos Doulkeridis, Nikolaos Pelekis, Alexander Artikis, Anne-Laure Joussetme, Cyril Ray, Jose Manuel Cordero, David Scarlatti
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-45164-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (378 pages)
Disciplina	385.0724
Soggetti	Database management Mathematical statistics Transportation engineering Traffic engineering Database Management Probability and Statistics in Computer Science Transportation Technology and Traffic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: Time Critical Mobility Operations and Data: A Perspective from the Maritime and Aviation Domains -- Mobility Data: A Perspective from the Maritime Domain -- The Perspective on Mobility Data from the Aviation Domain -- Part II: Visual Analytics and Trajectory Detection and Summarization: Exploring Data and Constructing Trajectories -- Visual Analytics in the Aviation and Maritime Domains -- Trajectory Detection and Summarization over Surveillance Data Streams -- Part III: Trajectory Oriented Data Management for Mobility Analytics -- Modeling Mobility Data and Constructing Large Knowledge Graphs to Support Analytics: The datAcron Ontology -- Integrating Data by Discovering Topological and Proximity Relations Among Spatiotemporal Entities -- Distributed Storage of Large Knowledge Graphs with Mobility

Data -- Part IV: Analytics Towards Time Critical Mobility Forecasting -- Future Location and Trajectory Prediction -- Event Processing for Maritime Situational Awareness -- Offline Trajectory Analytics -- Part V Big Data Architectures for Time Critical Mobility Forecasting -- The Big Data Architecture for Mobility Analytics -- Part VI: Ethical Issues for Time Critical Mobility Analytics -- Ethical Issues in Big Data Analytics for Time Critical Mobility Forecasting.

Sommario/riassunto

This book provides detailed descriptions of big data solutions for activity detection and forecasting of very large numbers of moving entities spread across large geographical areas. It presents state-of-the-art methods for processing, managing, detecting and predicting trajectories and important events related to moving entities, together with advanced visual analytics methods, over multiple heterogeneous, voluminous, fluctuating and noisy data streams from moving entities, correlating them with data from archived data sources expressing e.g. entities' characteristics, geographical information, mobility patterns, mobility regulations and intentional data. The book is divided into six parts: Part I discusses the motivation and background of mobility forecasting supported by trajectory-oriented analytics, and includes specific problems and challenges in the aviation (air-traffic management) and the maritime domains. Part II focuses on big data quality assessment and processing, and presents novel technologies suitable for mobility analytics components. Next, Part III describes solutions toward processing and managing big spatio-temporal data, particularly enriching data streams and integrating streamed and archival data to provide coherent views of mobility, and storing of integrated mobility data in large distributed knowledge graphs for efficient query-answering. Part IV focuses on mobility analytics methods exploiting (online) processed, synopsisized and enriched data streams as well as (offline) integrated, archived mobility data, and highlights future location and trajectory prediction methods, distinguishing between short-term and more challenging long-term predictions. Part V examines how methods addressing data management, data processing and mobility analytics are integrated in big data architectures with distinctive characteristics compared to other known big data paradigmatic architectures. Lastly, Part VI covers important ethical issues that research on mobility analytics should address. Providing novel approaches and methodologies related to mobility detection and forecasting needs based on big data exploration, processing, storage, and analysis, this book will appeal to computer scientists and stakeholders in various application domains.

2. Record Nr.	UNINA9910787759003321
Titolo	Tonga timeline : appraising sixty years of multidisciplinary research in Zambia and Zimbabwe // edited by Lisa Cliggett, Virginia Bond
Pubbl/distr/stampa	Lusaka, Zambia : , : Lembani Trust, , [2013] ©2013
ISBN	9982-68-005-6
Descrizione fisica	1 online resource (338 p.)
Classificazione	LB 48565 LB 48570
Altri autori (Persone)	CliggettLisa BondVirginia
Disciplina	378.94
Soggetti	Tonga (Zambezi people) Ethnology - Zambia Ethnology - Zimbabwe Interdisciplinary research - Africa, Southern Kariba, Lake (Zambia and Zimbabwe) Social conditions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Editor acknowledgements -- Introduction -- Tonga identity in process / Virginia Bond, Lisa Cliggett, Bennett Siamwiza -- Cultural forms through time -- Looking back and looking forward : Iron Age studies in southern Zambia and their contribution to the understanding of the Tonga / Francis B. Musonda -- Ethnic identity, agency and development : the case of the Zimbabwean Tonga / Siambabala Bernard Manyena -- Art and the sacred practitioner among the Zimbabwe Tonga : an analysis of the symbolic interaction / Maxwell Mukova and Jeremiah Chikovore -- Names of cattle and the cattle-naming system among the Tonga of Zambia / Mildred Nkolola-Wakumelo -- Demonizing the migrant labour system in the context of marriage : the wealth in folk literature / John B. Siakavuba -- The Gwembe Tonga craft world and development intervention / Gijsbert Witkamp -- Society and health -- Marriage customs, patterns and practices, and sexual networks among the Tonga of Southern Province, Zambia in the era of HIV and AIDS / Jacob R.S. Malungo -- Gender, culture, HIV and AIDS in

contemporary southern Zambia / Anne L. Sikwibele -- Livelihoods and development -- Losing the commons : fighting with magic : institutional change, fortress conservation and livelihood strategies of the Batwa, Kafue Flats Floodplain, Zambia / Tobias Haller and Sonja Merten -- Lessons from agricultural extension and marketing services in southern Zambia, 1933-80 / Ackson M. Kanduza -- Agricultural change and the Tonga / Tafadzwa Chevo -- Syaacivwule Mwangu : NGOs and people empowerment in the Gwembe Valley / Lawrence Maumbi Michelo.

Sommario/riassunto

A multitude of scholars have visited Tonga communities. They have come from different countries, worked at different times, had different disciplinary interests and theoretical agenda and published in different places. Many of these scholars have been the products of Zambian and Zimbabwean universities. The research presented in this volume gives some idea of the rich knowledge now available on the Tonga - a people remarkable for their egalitarian ethos, practice of participatory democracy and willingness to experiment with new possibilities.
