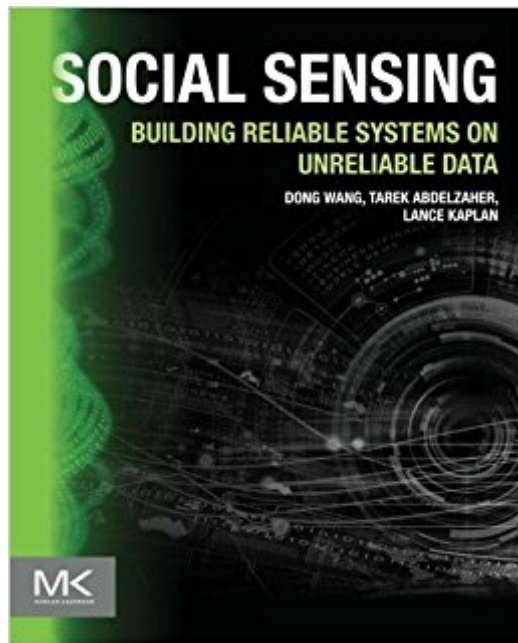




Ebook Directory
the best source of ebook

The book was found

Social Sensing: Building Reliable Systems On Unreliable Data



Synopsis

Increasingly, human beings are sensors engaging directly with the mobile Internet. Individuals can now share real-time experiences at an unprecedented scale. *Social Sensing: Building Reliable Systems on Unreliable Data* looks at recent advances in the emerging field of social sensing, emphasizing the key problem faced by application designers: how to extract reliable information from data collected from largely unknown and possibly unreliable sources. The book explains how a myriad of societal applications can be derived from this massive amount of data collected and shared by average individuals. The title offers theoretical foundations to support emerging data-driven cyber-physical applications and touches on key issues such as privacy. The authors present solutions based on recent research and novel ideas that leverage techniques from cyber-physical systems, sensor networks, machine learning, data mining, and information fusion. Offers a unique interdisciplinary perspective bridging social networks, big data, cyber-physical systems, and reliability. Presents novel theoretical foundations for assured social sensing and modeling humans as sensors. Includes case studies and application examples based on real data sets. Supplemental material includes sample datasets and fact-finding software that implements the main algorithms described in the book.

Book Information

Paperback: 232 pages

Publisher: Morgan Kaufmann; 1 edition (April 6, 2015)

Language: English

ISBN-10: 0128008679

ISBN-13: 978-0128008676

Product Dimensions: 7.5 x 0.5 x 9.2 inches

Shipping Weight: 15.2 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #773,187 in Books (See Top 100 in Books) #82 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Sensors](#) #246 in [Books > Textbooks > Computer Science > Artificial Intelligence](#) #453 in [Books > Computers & Technology > Databases & Big Data > Data Mining](#)

Customer Reviews

"...recommended both to cyber-physical systems researchers and sensor network researchers, but also to people involved in business analytics. After finishing this book, readers will better understand

the fundamental concepts related to the subject and also receive new interpretations of, and solutions to, the problems encountered." --Computing Reviews, Social Sensing

Increasingly, human beings are sensors engaging directly with the mobile internet. Individuals can now share real-time experiences at an unprecedented scale, with GPS devices and camera phones, mobile Internet connectivity, and social media. *Social Sensing: Building Reliable Systems on Unreliable Data* offers a look into recent advances in the emerging field of social sensing, emphasizing the key problem faced by application designers; how to extract reliable information from data collected from largely unknown and possibly unreliable sources? Unlike traditional sensor networks, where sensor reliability and fault models are clearly understood, a big challenge in social sensing stems from the fact that data sources are often unknown to the collector, making it hard to ascertain not only correctness of observations but also reliability of sources. The book explains how a myriad of societal applications can be derived from this massive amount of data collected and shared by average individuals; data which can be noisy, unreliable, and possibly erroneous. The book offers theoretical foundations to support emerging data-driven cyber-physical applications, and touches on key issues such as privacy in a highly interconnected and instrumented world. The authors share the latest research and novel ideas that leverage techniques from cyber-physical systems, sensor networks, machine learning, data mining, and information fusion to present solutions to this problem.

[Download to continue reading...](#)

Social Sensing: Building Reliable Systems on Unreliable Data Data Analytics: What Every Business Must Know About Big Data And Data Science (Data Analytics for Business, Predictive Analysis, Big Data Book 1) Data Analytics: Applicable Data Analysis to Advance Any Business Using the Power of Data Driven Analytics (Big Data Analytics, Data Science, Business Intelligence Book 6) Big Data For Business: Your Comprehensive Guide to Understand Data Science, Data Analytics and Data Mining to Boost More Growth and Improve Business - Data Analytics Book, Series 2 Topics in Fluorescence Spectroscopy, Vol. 10: Advanced Concepts in Fluorescence Sensing, Pt. B: Macromolecular Sensing Topics in Fluorescence Spectroscopy, Vol. 9: Advanced Concepts in Fluorescence Sensing, Pt. A: Small Molecule Sensing Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Building Construction Cost with Rsmeans Data (Means Building Construction Cost Data) RSMeans Building Construction Cost Data 2012 (Means Building Construction Cost Data) Building Construction Cost Data (Means Building Construction

Cost Data) Open Shop Building Costs with Rsmeans Data (Rsmeans Open Shop Building Construction Costs Data) IEEE Guide to the Collection and Presentation of Electrical, Electronic, Sensing Component, and Mechanical Equipment Reliability Data for Nuclear-Pow (IEEE Std 500-1977) Ask a Pro: Deep Thoughts and Unreliable Advice from America's Foremost Cycling Sage Hogwarts: An Incomplete and Unreliable Guide (Kindle Single) (Pottermore Presents) Unreliable Memoirs Designing Distributed Systems: Patterns and Paradigms for Scalable, Reliable Services Data Science for Business: What You Need to Know about Data Mining and Data-Analytic Thinking Data Science and Big Data Analytics: Discovering, Analyzing, Visualizing and Presenting Data Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Data Analytics and Python Programming: 2 Bundle Manuscript: Beginners Guide to Learn Data Analytics, Predictive Analytics and Data Science with Python Programming

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)