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| Autore | Monino Jean-Louis |
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| Edizione | [1st edition] |
| Descrizione fisica | 1 online resource (130 p.) |
| Collana | Innovation, entrepreneurship, management series. Smart innovation set ; ; volume 3 |
| Disciplina | 005.7 |
| Soggetti | Big data<br>Technological innovations |
| 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 and index. |
| Nota di contenuto | Table of Contents; Title; Copyright; Acknowledgements; Foreword; Key Concepts; Introduction; I.1. The power of data; I.2. The rise of buzzwords related to "data" (Big, Open, Viz); I.3. Developing a culture of openness and data sharing; 1 The Big Data Revolution; 1.1. Understanding the Big Data universe; 1.2. What changes have occurred in data analysis?; 1.3. From Big Data to Smart Data: making data warehouses intelligent; 1.4. High-quality information extraction and the emergence of a new profession: data scientists; 1.5. Conclusion; 2 Open Data: A New Challenge; 2.1. Why Open Data?<br>2.2. A universe of open and reusable data2.3. Open Data and the Big Data universe; 2.4. Data development and reuse; 2.5. Conclusion; 3 Data Development Mechanisms; 3.1. How do we develop data?; 3.2. Data governance: a key factor for data valorization; 3.3. CI: protection and valuation of digital assets; 3.4. Techniques of data analysis: data mining/text mining; 3.5. Conclusion; 4 Creating Value from Data Processing; 4.1. Transforming the mass of data into innovation opportunities; 4.2. Creation of value and analysis of open databases;<br>4.3. Value creation of business assets in web data<br>4.4. Transformation of data into information or "DataViz"4.5. Conclusion; Conclusion; Bibliography; Index; End User License Agreement |

Sommario/riassunto

The world has become digital and technological advances have multiplied circuits with access to data, their processing and their diffusion. New technologies have now reached a certain maturity. Data are available to everyone, anywhere on the planet. The number of Internet users in 2014 was 2.9 billion or 41% of the world population. The need for knowledge is becoming apparent in order to understand this multitude of data. We must educate, inform and train the masses. The development of related technologies, such as the advent of the Internet, social networks, "cloud-computing" (digital factories), has increased the available volumes of data. Currently, each individual creates, consumes, uses digital information: more than 3.4 million e-mails are sent worldwide every second, or 107,000 billion annually with 14,600 e-mails per year per person, but more than 70% are spam. Billions of pieces of content are shared on social networks such as Facebook, more than 2.46 million every minute. We spend more than 4.8 hours a day on the Internet using a computer, and 2.1 hours using a mobile. Data, this new ethereal manna from heaven, is produced in real time. It comes in a continuous stream from a multitude of sources which are generally heterogeneous. This accumulation of data of all types (audio, video, files, photos, etc.) generates new activities, the aim of which is to analyze this enormous mass of information. It is then necessary to adapt and try new approaches, new methods, new knowledge and new ways of working, resulting in new properties and new challenges since SEO logic must be created and implemented. At company level, this mass of data is difficult to manage. Its interpretation is primarily a challenge. This impacts those who are there to "manipulate" the mass and requires a specific infrastructure for creation, storage, processing, analysis and recovery. The biggest challenge lies in "the valuing of data" available in quantity, diversity and access speed.

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| Record Nr. | UNINA9910484824903321 |
| Titolo | Image Analysis and Recognition : 5th International Conference, ICIAR 2008, Póvoa de Varzim, Portugal, June 25-27, 2008, Proceedings / / edited by Aurelio Campilho, Mohamed Kamel |
| Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008 |
| ISBN | 3-540-69812-4 |
| Edizione | [1st ed. 2008.] |
| Descrizione fisica | 1 online resource (XXII, 1126 p.) |
| Collana | Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 5112 |
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| Altri autori (Persone) | CampilhoA<br>KamelMohamed |
| Disciplina | 006.4 |
| Soggetti | Pattern recognition systems<br>Application software<br>Computer programming<br>Computer vision<br>Biometric identification<br>Artificial intelligence<br>Automated Pattern Recognition<br>Computer and Information Systems Applications<br>Programming Techniques<br>Computer Vision<br>Biometrics<br>Artificial Intelligence |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Invited Papers -- Image Restoration and Enhancement -- Image and Video Segmentation -- Non-linear Image Processing -- Image and Video Coding and Encryption -- Indexing and Retrieval -- Computer Vision -- Feature Extraction and Classification -- Shape Representation and Matching -- Object Recognition -- Character Recognition -- |

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| | Texture and Motion Analysis -- Tracking -- Biomedical Image Analysis -- Biometrics -- Face Recognition -- Special Session: Recent Advances in Multimodal Biometric Systems -- Applications. |
| Sommario/riassunto | This book constitutes the refereed proceedings of the 5th International Conference on Image Analysis and Recognition, ICIAR 2008, held in Póvoa do Varzim, Portugal, in June 2008. The 110 revised full papers presented together with 2 invited papers were carefully reviewed and selected from 226 submissions. The papers are organized in topical sections on image restoration and enhancement, image and video segmentation, non-linear image processing, image and video coding and encryption, indexing and retrieval, computer vision, feature extraction and classification, shape representation and matching, object recognition, character recognition, texture and motion analysis, tracking, biomedical image analysis, biometrics, face recognition, and a special session on recent advances in multimodal biometric systems and applications. . |