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Nota di contenuto	Front cover; Title page; Copyright page; Table of contents; Preface; Audience; Course Use; Approach; Learning from This Book; Content and Organization; A Personal View; Acknowledgments; 1 Introduction; 1.1 Compression Techniques; 1.1.1 Lossless Compression; 1.1.2 Lossy Compression; 1.1.3 Measures of Performance; 1.2 Modeling and Coding; 1.3 Summary; 1.4 Projects and Problems; 2 Mathematical Preliminaries for Lossless Compression; 2.1 Overview; 2.2 A Brief Introduction to Information Theory; 2.2.1 Derivation of Average Information; 2.3 Models; 2.3.1 Physical Models; 2.3.2 Probability Models; 2.3.3 Markov Models; 2.3.4 Composite Source Model; 2.4 Coding; 2.4.1 Uniquely Decodable Codes; 2.4.2 Prefix Codes; 2.4.3 The Kraft-McMillan Inequality; 2.5 Algorithmic Information Theory; 2.6 Minimum Description Length Principle; 2.7 Summary; 2.8 Projects and Problems; 3 Huffman Coding; 3.1 Overview; 3.2 The Huffman Coding Algorithm; 3.2.1 Minimum Variance Huffman Codes; 3.2.2 Optimality of Huffman Codes; 3.2.3 Length of Huffman Codes; 3.2.4 Extended Huffman Codes; 3.3 Nonbinary Huffman Codes; 3.4 Adaptive Huffman Coding;

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3.4.3 Decoding Procedure
3.5 Golomb Codes; 3.6 Rice Codes; 3.6.1
CCSDS Recommendation for Lossless Compression; 3.7 Tunstall Codes;
3.8 Applications of Huffman Coding; 3.8.1 Lossless Image
Compression; 3.8.2 Text Compression; 3.8.3 Audio Compression; 3.9
Summary; 3.10 Projects and Problems; 4 Arithmetic Coding; 4.1
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4.5 Comparison of Huffman and Arithmetic Coding
4.6 Adaptive
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7.6.2 CCITT Group 3 and 4-Recommendations T.4 and T.6

Sommario/riassunto

Each edition of Introduction to Data Compression has widely been considered the best introduction and reference text on the art and science of data compression, and the third edition continues in this tradition. Data compression techniques and technology are ever-evolving with new applications in image, speech, text, audio, and video. The third edition includes all the cutting edge updates the reader will need during the work day and in class. Khalid Sayood provides an extensive introduction to the theory underlying today's compression techniques with detailed instruction for their app

2. Record Nr.	UNINA9910437961503321
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ISBN	94-007-4611-3
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (221 p.)
Collana	Cross-cultural advancements in positive psychology, , 2210-5417 ; ; v. 3
Altri autori (Persone)	KnoopHans Henrik Delle FaveAntonella
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Nota di contenuto	Chapter 1. Positive Psychology and cros-cultural research; Hans Henrik Knoop and Antonella Delle Fave -- Chapter 2. VIA Character Strengths -Research and Practice: The First 10 Years; Ryan M. Niemiec -- Chapter 3. Addressing current challenges in cross-cultural measurement of well-being: The Pemberton Happiness Index; Carmelo Vazquez and Gonzalo Hervas -- Chapter 4. Communal values and individualism in our era of globalization: A comparative longitudinal study of different societies; Holde Eileen Nafstad and Erland Sand Bruer -- Chapter 5. The Relation of Basic Psychological Needs, Intrinsic and Extrinsicc Life Goals and Collectivism with Subjective Well-Being; A Case in Macedonia -- Chapter 6. The Ubiquity of the Character Strengths in African Traditional Religion: A Thematic Analysis -- Chapter 7. Culture, Environmental Psychology and Well-Being: An Emergent Theoretical Framework; Nicola Rainisio -- Chapter 8. Religion, Spirituality and Well-Being across Nations: The Eudaimonic and Hedonic Happiness Investigation; Antonella Delle Fave, Ingrid Brdar, Dianne Vella-Brodrick and Marie P. Wissing -- Chapter 9. The Relationship of South African consumers' living standards and demographic variables with their life satisfaction -- Chapter 10. Circumstances of Well-Being among Czech College Students; Iva Solcava and Vladimir Kebza -- Chapter 11.

Income is Not Associated with positive Affect, Life Satisfaction, and Subjective Happiness among Japanese Workers; Yasumasa Otsuka, Masashi Hori, and Junko Kawahito -- Chapter 12. Relationships between self Serving Attributional Bias and Subjective Well-being among Danish and Spanish Women; Pilar Sanjuana and Kristine Jensen de Lopez -- Chapter 13. Optimistic Attributional Style and Parental Behaviour in the Educational Framework: A Cross-Cultural Perspective; Loredana Ruxandra Gherasim, Simona Butnaru, Alin Gavreliuc and Luminita Mihaela Iacob.- .

Sommario/riassunto

This anthology focuses on empirical studies comparing cultures in relation to central positive psychological topics. It contains selected papers from the 5th European Conference on Positive Psychology held in 2010 in Denmark. The book starts out with an introductory chapter that brings together the main ideas and findings within an integrative perspective, based on a broad theoretical framework encompassing interdisciplinary and methodological issues. It gives special emphasis to some open issues in the theory and assessment of culture-related dimensions, and to the potential of positive psychology in addressing them. The introductory chapter is followed by two chapters that examine theoretical approaches and instruments developed to assess happiness and well-being across cultures. Following that examination, five chapters are devoted to the relationship between well-being, cultures and values. The second half of the book prominently investigates well-being across cultures in the light of socio-economic factors. This book shows that positive psychology, now officially well into its second decade, is providing still finer-grained perspectives on the diversity of cultures along with insights about our shared human nature, uniting us for better or worse.
