1. Record Nr. UNINA9910458199803321

Titolo	Empirical evaluation methods in computer vision [[electronic resource] /] / editors, Henrik I. Christensen, P. Jonathon Phillips
Pubbl/distr/stampa	River Edge, N.J., : World Scientific, c2002
ISBN	981-277-742-3
Descrizione fisica	1 online resource (172 p.)
Collana	Series in machine perception and artificial intelligence ; ; v. 50
Altri autori (Persone)	ChristensenH. I <1962-> (Henrik I.) PhillipsP. Jonathon
Disciplina	006.3/7
Soggetti	Computer vision - Evaluation Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	All but two contributions are revised papers from a workshop held in 2000.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents ; Foreword ; Chapter 1 Automated Performance Evaluation of Range Image Segmentation Algorithms ; 1.1. Introduction ; 1.2. Scoring the Segmented Regions ; 1.3. Segmentation Performance Curves ; 1.4. Training of Algorithm Parameters ; 1.5. Train-and-Test Performance Evaluation 1.6. Training Stage 1.7. Testing Stage ; 1.8. Summary and Discussion ; References ; Chapter 2 Training/Test Data Partitioning for Empirical Performance Evaluation ; 2.1. Introduction ; 2.2. Formal Problem Definition ; 2.2.1. Distance Function ; 2.2.2. Computational Complexity 2.3. Genetic Search Algorithm 2.4. A Testbed ; 2.5. Experimental Results ; 2.6. Conclusions ; References ; Chapter 3 Analyzing PCA-based Face Recognition Algorithms: Eigenvector Selection and Distance Measures ; 3.1. Introduction ; 3.2. The FERET Database ; 3.3. Distance Measures 3.3.1. Adding Distance Measures 3.3.2. Distance Measure Aggregation ; 3.3.3.

Correlating Distance Metrics ; 3.3.4. When Is a Difference Significant ; 3.4. Selecting Eigenvectors ; 3.4.1. Removing the Last Eigenvectors ; 3.4.2. Removing the First Eigenvector
3.4.3. Eigenvalue Ordered by Like-Image Difference
3.4.4. Variation Associated with Different Test/Training Sets
; 3.5. Conclusion ; References ; Chapter 4 Design of a Visual System for Detecting Natural Events by the Use of an Independent Visual Estimate: A Human Fall Detector
4.1. Introduction

Sommario/riassunto

This book provides comprehensive coverage of methods for the empirical evaluation of computer vision techniques. The practical use of computer vision requires empirical evaluation to ensure that the overall system has a guaranteed performance. The book contains articles that cover the design of experiments for evaluation, range image segmentation, the evaluation of face recognition and diffusion methods, image matching using correlation methods, and the performance of medical image processing algorithms. Sample Chapter(s)
Foreword (228 KB)
Chapter 1: Introduction (505 KB)
 <

2.

Record Nr.	UNINA9910143685003321
Autore	McFadden Eleanor <1948->
Titolo	Management of data in clinical trials [[electronic resource] /] / Eleanor McFadden
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2007
ISBN	1-280-93543-X 9786610935437 0-470-18128-1 0-470-18127-3
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (206 p.)
Collana	Wiley series in probability and statistics
Disciplina	615.50724
Soggetti	Clinical trials - Data processing Electronic books.
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 (p. 180) and index.
Nota di contenuto	Introduction -- Study design and planning -- Data definition, forms, and database design -- Computer systems for data management and data entry -- Patient registration -- Local data management systems -- Central quality control of data -- Data management and good clinical practice -- Software tools for trials management -- Follow-up and close-out phase -- Training, education, and documentation -- Clinical trials collaboration models.
Sommario/riassunto	A valuable new edition of the trusted, practical guide to managing data in clinical trialsRegardless of size, type, or complexity, accurate results for any clinical trial are ultimately determined by the quality of the collected data. Management of Data in Clinical Trials, Second Edition explores data management and trial organization as the keys to developing an accurate and reliable clinical trial. With a focus on the traditional aspects of data collection as well as recent advances in technology, this new edition provides a complete and accessible guide to the management structure o