

News / Anuncios

CONFERENCE-PLACE /CONFERENCIA-LUGAR	DATE AND CONTACTS/FECHA Y CONTACTOS
THE 11TH ASIAN CONFERENCE ON FIXED POINT THEORY AND OPTIMIZATION SIAM BAYSHORE HOTEL, THAILAND	JUL 15-18, 2020 ACFPTO 2020
18TH INTERNATIONAL CONFERENCE ON PRACTICAL APPLICATIONS OF AGENTS AND MULTI-AGENT SYSTEMS L'AQUILA (ITALY)	JUNE,17-19, 2020 HTTPS://WWW.PAAMS.NET/
THE 22ND CONFERENCE OF THE INTERNATIONAL FEDERATION OF OPERATIONAL RESEARCH SOCIETIES (IFORS 2020) SEOUL, SOUTH KOREA	JUNE 21-26, 2020 HTTP://WWW.IFORS2020.KR
SECOND INTERNATIONAL CONFERENCE ON LEARNING AND OPTIMIZATION ALGORITHMS: THEORY AND APPLICATIONS CORDOBA, SPAIN	JUN 23- 25, 2020 LOPAL 2020
ICPR - AMERICAS 2020 BAHÍA BLANCA, ARGENTINA	JULY 8-10, 2020 HTTP://WWW.MATEMATICA.UNS.EDU.AR/IPCRA/DE FAULT.PHP
THE 11TH ASIAN CONFERENCE ON FIXED POINT THEORY AND OPTIMIZATION 2020 SIAM BAYSHORE HOTEL, THAILAND	JUL 15- 18, 2020 ACFPTO 2020
SPECIAL SESSION ON BENCHMARKING OF EVOLUTIONARY ALGORITHMS FOR DISCRETE OPTIMIZATION GLASGOW, UK	JUL 19-24, 2020 BEADO 2020
METAHEURISTICS SUMMER SCHOOL 2020 :: LEARNING & OPTIMIZATION FROM BIG DATA CATANIA, ITALY	JUL 27-31, 2020 MESS 2020
METAHEURISTICS SUMMER SCHOOL 2020 ::LEARNING & OPTIMIZATION FROM BIG DATA CATANIA, ITALY	JUL 27-31, 2020 MESS 2020

CONFERENCE-PLACE /CONFERENCIA-LUGAR	DATE AND CONTACTS/FECHA Y CONTACTOS
10TH WORLD CONGRESS IN PROBABILITY AND STATISTICS/IMS ANNUAL MEETING SEOUL, SOUTH KOREA	AUGUST 17 – 21, 2020 HTTP://WWW.SIAM.ORG/MEETINGS
2021 JOINT STATISTICAL MEETINGS /IMS ANNUAL MEETING SEATTLE, USA	AUGUST 7, 2021 - AUGUST 12, 2021 HTTPS://IMSTAT.ORG/MEETINGS-CALENDAR/
INTERNATIONAL CONFERENCE ON PROBABILITY AND STATISTICS LONDON, UNITED KINGDOM	NOVEMBER 18-19, 2021 HTTPS://WASET.ORG/PROBABILITY-AND-STATISTICS-CONFERENCE-IN-NOVEMBER-2021-IN-LONDON
21AU12ICEMPSM SYDNEY, AUSTRALIA	DECEMBER 02-03, 2021 HTTPS://WASET.ORG/ENVIRONMENTAL-MONITORING-PARAMETERS-AND-SAMPLING-METHODS-CONFERENCE-

ICPR - AMERICAS 2020 - CALL FOR PAPERS

International Conference of Production Research - Americas 2020

July 8, 9 and 10, 2020. Bahía Blanca, Argentina

[CONFERENCE LINK: ICPR-Americas2020](#)

The International Conference of Production Research, ICPR - Americas2020 aims at exchanging experiences and encouraging collaborative work among researchers and practitioners from the Americas and the Caribbean region. The conference also seeks to plan and organize the activities of the Americas Region of the International Foundation of Production Research (IFPR).

The conference will be held at the Universidad Nacional del Sur (UNS) in Bahía Blanca, Argentina

Important Dates

Submission deadline: 17 April, 2020

Acceptance notification: 5 June, 2020

Camera ready due: 21 June, 2020

Conference: 8-10 July, 2020

Publications

All accepted papers will appear in the open access online conference proceedings which will have DOI and ISBN numbers assigned. They will be also submitted for indexation at major international bibliographic database.

Also, we are preparing Special Issues in Indexed Journals for the extension of selected papers from the conference. Information will be published at the website.

Plenary Speakers

Professor Jose M Framinan (University of Seville, Spain)

Professor Gonzalo Mejía Delgadillo (University of Sabana, Colombia)

Professor Sri Talluri (Michigan State University, USA)

Awards

Several prizes will be awarded at the ICPR-Americas 2020 conference, honoring distinguished contributions:

BOOK REVIEWS/RESEÑAS BIBLIOGRÁFICAS

HANDBOOK OF BIG DATA ANALYTICS

Editors: Wolfgang Karl Härdle, Henry Horng-Shing Lu & Xiaotong Shen (2018)

eBook ISBN 978-3-319-18284-1

Springer International Publishing VIII, 538

The book intends to be what its title clearly announces: a reference book for those dealing with the use of analytical methods for analyzing Big Data. It comprises chapters written by first rated specialists. 6 chapters deal with sound statistical problems: Statistics, Statisticians, and the Internet of Things (Jorand, J. et al.); Statistical Leveraging Methods in Big Data (Zhang, X. et al.); Nonparametric Methods for Big Data Analytics (Zhang, H. H.); Finding Patterns in Time Series (Gentle, J. E. et al.); Variational Bayes for Hierarchical Mixture Models (Wan, M. et al.); Hypothesis Testing for High-Dimensional Data (Wu, W. B. et al.). The other 16 chapters are concerned with more specific particularities subjects appearing while analyzing Big Data : Cognitive Data Analysis for Big Data (Shyr, Jing , et al.); Scattered Data and Aggregated Inference (H. Xiaoming et al.); High-Dimensional Classification (Zou, H.); Analysis of High-Dimensional Regression Models Using Orthogonal Greedy Algorithms (Hsu, H-L. et al.); Semi-supervised Smoothing for Large Data Problems (Culp, M. V. et al.); Inverse Modeling: A Strategy to Cope with Non-linearity (Lin, Q. et al.); Sufficient Dimension Reduction for Tensor Data (Liu, Y. et al.); Compressive Sensing and Sparse Coding (Chen, K. et al.); Bridging Density Functional Theory and Big Data Analytics with Applications (Chen, C.-C. et al.); Q3-D3-LSA: D3.js and Generalized Vector Space Models for Statistical Computing (Borke, L. et al.); A Tutorial on : R Package for the Linearized Bregman Algorithm in High-Dimensional Statistics (Xiong, J. et al.); Functional Data Analysis for Big Data: A Case Study on California Temperature Trends (Hadjipantelis, P. Z. et al.); Bayesian Spatiotemporal Modeling for Detecting Neuronal Activation via Functional Magnetic Resonance Imaging (Bezener, M. et al.); Construction of Tight Frames on Graphs and Application to Denoising (Göbel, F. et al.); Beta-Boosted Ensemble for Big Credit Scoring Data (Zieba, M. et al.); Cognitive Data Analysis for Big Data (Shyr, J. et al.); Scattered Data and Aggregated Inference (Huo, X. et al.). This oeuvre should be in the shelf of researcher intending to be in the Big Data and High Dimensionality business

C. N. Bouza
Universidad de La Habana, Cuba

ADVANCED STATISTICS WITH APPLICATIONS IN R

Eugene Demidenko (2019)

ISBN:9781118387986 |Online ISBN:9781119449195 |

John Wiley & Sons Inc., Wiley Series in Probability and Statistics

Xii+850

The book develops more than 440 examples where R-codes are used. As a result the theory present in Advanced Statistics text books are complemented excellently theoretical and practice-oriented statistics textbooks . The discussion on the role and real meaning of the used and abused p-value based inferences is encouraging. Actually the vulgarization of statistical methods, due to a lack of knowledge on basic statistical concepts, has provoked a crisis with the management of p-value inference. The book managed to discuss how to deal with it while developing the examples. The examples come from application of biostatistics, epidemiology , spatial statistics , sociology, financing, engineering , physics, informatics (including , text and image analysis), etc.

I recommend the book for courses in statistics or data science. Not only student but also to many researchers will have in it a good source of both for theoretical and applications

The book provides access to 500 R codes and 100 datasets downloadable from the website

dartmouth.edu/~eugened.

Agustín Santiago-Moreno
Universidad Autónoma de Guerrero, Mexico

APPLIED STATISTICS: THEORY AND PROBLEM SOLUTIONS WITH R

Dieter Rasch, Rob Verdooren & Jürgen Pilz (2019)

Print ISBN:9781119551522 |Online ISBN:9781119551584

John Wiley & Sons, Ltd.

Xii+497

The intention of the book is providing useful insights on the use of statistical methods through the implementation of R-softwares. The book is concerned with theoretical and practical aspects of statistical methods applied in problem-solving areas as industry, services, economic, commerce etc. Though it has a theoretical background, the intention of the authors is providing means for enhancing abilities to solve usual new and non-standard issues. Through a user-friendly guide the reader will comprehend how to use statistical data analyses tools and planning experimental design satisfying theory.

The book also provides includes R packages for developing sampling inquiries, analysis of variance, estimation and testing etc. The readers will be able to manage to use employ statistical methods using R. Offers a practical over theoretical approach to the subject of applied statistics. Providing knowledge with classroom tested material the users may solve a wide range of common problems arising quantitative sciences. The authors presented 300 R-procedures examples with R-programs. The book is to be useful for experimenters of the quantitative sciences as well as to, statisticians.

Mario M. Ojeda
Universidad Veracruzana, México

ADVANCES IN QUESTIONNAIRE DESIGN, DEVELOPMENT, EVALUATION AND TESTING

Paul Beatty, Debbie Collins, Lyn Kaye, Jose Luis Padilla, Gordon Willis, Amanda Wilmot (2019)

Print ISBN:9781119263623 |Online ISBN:9781119263685

John Wiley & Sons, Inc.

Xii+785

The book presents a collection of papers presented in the Second International Conference on Questionnaire Design, Development, Evaluation, and Testing (QDET2) held in 2016 (31 chapters). The readers will obtain a first hand source for survey questionnaire testing and evaluation. They will have access to the nowadays state of the art and science of QDE. The contents present discussions on methodological issues of designing and analyzing questionnaires in the Big Data era and on the future of QDET. The contributors are well known international experts in different areas (Survey Methodology Questionnaire Design, Development, Evaluation and Testing). Is remarkable the discussion on recent developments in the design and evaluation of digital and self-administered surveys, strategies for comparing and combining questionnaire evaluation methods, approaches for cross-cultural and cross-national questionnaire development, new data sources and methodological innovations during the last 15 years, case studies and practical applications.

The book is very useful for researchers dealing with the design and use of questionnaire based investigations.

José F. García
Universidad Juárez Autónoma de Tabasco, México

COMPUTATIONAL MATHEMATICS AND NUMERICAL ANALYSIS

Adrian Barbu & Song-Chun Zhu (2020)

Springer Nature Singapore eBook

ISBN978-981-13-2971-5 ISBN 978-981-13-2970-8

XVI, 422

This is a remarkable that covers different connections between statistic data analysis and computer science. The authors present a discussion on the use of Monte Carlo simulation, covering Markov Chain Monte Carlo (MCMC), Metropolis-Hastings, Gibbs Sampler, Cluster Sampling, Data Driven MCMC, Gradient Descent, Stochastic Langevin Monte Carlo, Hamiltonian Monte Carlo, and Energy Landscape Mapping.. The content is of use for persons dealing with applications of Monte Carlo not only in statistics but

in informatics's areas as Computer Vision, Computer Graphics, Machine Learning, Robotics, Artificial Intelligence, among other methods. Researchers needing of using Monte Carlo will appreciate the book as it provides a comprehensive exposition of the theme. It will be useful for courses where Monte Carlo methods are to be taught.

In each chapter are discussed several applications.

Jose M. Sautto Vallejo
Universidad Autónoma de Guerrero, Mexico

PROBABILITY THEORY AND STOCHASTIC PROCESSES

Pierre Brémaud (2020)

Springer International Publishing

eBook ISBN 978-3-030-40183-2 Softcover ISBN 978-3-030-40182-5

Probability and Stochastic Processes are basic for understanding the phenomena studied by the applied sciences, not only mathematical oriented ones, but also, for example in economics, insurance, finance, biological sciences, physics, engineering, informatics, communications networks etc. Then the book is of interest for a broad audience of students, teachers and investigators. It gives a panoramic view of stochastic processes and its applications. The needed basis on Probability is provided and the author developed the needed proofs of theorems.

The book has three parts. Chapters 1-4 are devoted to probability theory, Chapters 5-8 to random sequences, or discrete-time stochastic processes, the rest presents the more important stochastic and point processes. The teacher may use it for different kinds of courses as it allows adapting to different undergraduate and graduate.

Juan J. Obagui
Colombia

ALGORITHMS AND DISCRETE APPLIED MATHEMATICS.6TH INTERNATIONAL CONFERENCE, CALDAM 2020, HYDERABAD, INDIA, FEBRUARY 13–15, 2020, PROCEEDING.

Editors Manoj Changat & Sandip (2020)

eBook ISBN 978-3-030-39219-2 Softcover ISBN 978-3-030-39218-5

Springer International Publishing

Theoretical Computer Science and General Issues, Series Volume 12016

XX, 490

This book contains the proceedings of the 6th International Conference on Algorithms and Discrete Applied Mathematics, CALDAM 2020, held in Hyderabad, India. 38 papers and the 2 invited talks were evaluated by international re-knowned specialists in graph algorithms, graph theory, combinatorial optimization, distributed algorithms, combinatorial algorithms, and computational complexity.

Sira M. Allende
Universidad de La Habana, Cuba