

16th EBEB and VI LACSC-Schools

Title: 16th EBEB and VI LACSC- Schools

Summary: two schools, 14th and 15th of March 2022, **free of charge for students around the world!** “*Deep neural networks: Fundamentals, computational, mathematical aspects, and advances*” by Prof. Luciano Rebouças de Oliveira (Federal University of Bahia, Brazil), and “*Bayesian Survival Analysis with BUGS*” by Prof. Danilo Alvares (Pontifical Catholic University of Chile).



Upcoming (14th and 15th of March): two schools, **free of charge for students around the world!** “*Deep neural networks: Fundamentals, computational, mathematical aspects, and advances*” by Prof. Luciano Rebouças de Oliveira (Federal University of Bahia, Brazil), and “*Bayesian Survival Analysis with BUGS*” by Prof. Danilo Alvares (Pontifical Catholic University of Chile). The schools are part of the "16th Brazilian Meeting of Bayesian Statistics and VI Latin American Congress of Statistical Computing". Make your registration now!

<https://eventos.galoa.com.br/ebeb-lacsc-2022/registration/intro>

BAYESIAN SURVIVAL ANALYSIS WITH BUGS

EBEB 2022 School

Survival analysis is one of the most important fields of statistics in medicine and biological sciences. Furthermore, the computational advances in the last decades have favored the use of Bayesian methods in this context, providing a flexible and powerful alternative to the traditional frequentist approach. The goal of this tutorial is to summarize some of the most popular Bayesian survival models, such as accelerated failure time, proportional hazards, competing risks, and joint models of longitudinal and survival data. Moreover, an implementation of each presented model is provided using a BUGS syntax that can be run with JAGS from the R programming language.

PROF. DANILO ALVARES
(PONTIFICAL CATHOLIC UNIVERSITY OF CHILE)
Instructor



Daniilo Alvares holds a post-doctorate in Biostatistics from Harvard School of Public Health, USA (2018), a doctorate in Statistics, a master's degree in Biostatistics from the Universitat de València, Spain (2017 and 2011), a master's degree in Computer Science and Computational Mathematics and a degree in Applied Mathematics and Scientific Computing by the University of São Paulo, Brazil (2013 and 2011).

PROGRAM

Monday, 14th of March
(15.00 – 16.30 BRT time)

- Motivation
- Basic notation
- Censoring and truncation
- Bayesian inference
- BUGS language
- Accelerated failure time models

Tuesday, 15th of March
(09.00 – 10.30 BRT time)

- Proportional hazards models
- Competing risks models
- Joint models of longitudinal and survival data

DEEP NEURAL NETWORKS: FUNDAMENTALS, COMPUTATIONAL, MATHEMATICAL ASPECTS, AND ADVANCES

LACSC 2022 School

PROGRAM

Monday Mar, 14
(09.00 – 10.30 BRT time)

- Brief introduction about images and features
- Fundamentals of neural networks (NNs)
- Basics of convolutional neural networks (CNNs)
- Some real-world examples of deep-learning application

Tuesday Mar, 15
(15.00 – 16.30 BRT time)

- Residual networks
- Feature pyramid networks
- Some recent advances in deep-learning-based networks
- Image classification, detection, and segmentation

Deep neural networks (DNN) have boomed as a must-have technique in almost all machine-learning applications. After nearly a decade of evolution, many deep-based methods have been proposed considering more than only earlier convolutional operations in the hidden layers of an artificial neural network. The goal of this tutorial is not only to present the fundamentals of the computational and mathematical aspects of DNNs, considering from the very first proposed network of this kind - the Lenet-5 and its main components but also the more advanced architectures such as the Transformer networks that do not use convolution operations to do the job. All the technical aspects studied will rely on the digital image domain to exemplify and explain the fundamentals of the DNNs.

PROF. LUCIANO REBOUÇAS DE OLIVEIRA
(FEDERAL UNIVERSITY OF BAHIA, BRAZIL)
Instructor



Luciano Rebouças holds a Ph.D. in Electrical and Computer Engineering, from the Institute of Systems and Robotics University of Coimbra, a master's degree in Mechatronics, and a bachelor's in computer science at the Federal University of Bahia (UFBA).

More details at: https://espolect-my.sharepoint.com/:b:/g/personal/mpastuiz_espol_edu_ec/ESSPy-nALYhNojyeisEaP8oBxzdooClDEZVLUEQGY8WH6w?e=je1g7r

Keynote Conferences in the "16th Brazilian Meeting of Bayesian Statistics and VI Latin American Conference of Statistical Computing" (March 16 to 18)










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Summary: the eleven Keynote Conferences present a wide variety of topics! Make your registration right now!: <https://eventos.galoa.com.br/ebeb-lacsc-2022/registraion/intro>



Get to know now, the eleven Keynote Conferences that present a wide variety of topics in the "16th Brazilian Meeting of Bayesian Statistics and VI Latin American Conference of Statistical Computing" distributed between three days, 16th, 17th and

18th of March. The conference is free for students. Make your registration right now!
<https://eventos.galoa.com.br/ebib-lacsc-2022/registration/intro>

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|  <p>DO NOT MISS THE CONFERENCES OF OUR KEYNOTE SPEAKERS!</p> |  <p>M and M-quantile Estimation Methods of Mixed and Garch Models VALDÉRIO ANSELMO REIZEN Federal University of Espírito Santo - CentraleSupélec, Université Paris-Saclay</p> |  <p>Bayesian Model Assessment for Jointly Modeling Multidimensional Response Data with Application to Computerized Testing XIAOJING WANG University of Connecticut</p> |
|  <p>Power Laws Distributions in Objective Priors PEDRO RAMOS Pontifical Catholic University of Chile</p> |  <p>Bayesian Modelling of Integer-valued Transfer Function Models CATHY WOAN-SHU CHEN Feng Chia University</p> |  <p>Some Bayesian Methods for Causal Inference ANDREW GELMAN Columbia University</p> |
|  <p>On Bayesian prediction: foundations and recent results for recursive predictive algorithms SONIA PETRONE Bocconi University</p> |  <p>Generalized Mixed Spatio-Temporal Modeling: Random Effect via Factor Analysis with Nonlinear Interaction VINCIUS MAYRINK Federal University of Minas Gerais</p> |  <p>Counts Item Response Models under a Bayesian Perspective JORGE LUIS BAZÁN University of São Paulo</p> |
|  <p>In Search of Lost (Mixing) Time: Adaptive Markov Chain Monte Carlo Schemes for Bayesian Variable Selection with Very Large p MARK STEEL University of Warwick</p> |  <p>What Everyone in Data Science Should Know About Teaching and Learning YANINA BELLINI SAIBENE National Institute of Agricultural Technology of Argentina</p> |  <p>Hierarchical Stochastic Block Model for Community Detection in Multiplex Networks MARINA SILVA PAEZ Federal University of Rio de Janeiro</p> |

More details at: https://espolec-my.sharepoint.com/:b:g/personal/mpastuiz_espolec.edu.ec/Ed3uDswwsapJkpJBxMGJAb4BPURFU5e02hm1VYFiLn4V3Q?e=ZC4duo

Statistical talk organized by the IASC African Members Group

Title: Statistical talk organized by the IASC African Members Group

Summary: The African Members Group of IASC organizes a talk on “The drastic Under-representation of African Researchers in Africa-related Research” on the 31st March 2022. Registration link:

<https://attendee.gotowebinar.com/register/7417122242903376140?source=iasc>

Title: The drastic Under-representation of African Researchers in Africa-related Research

Abstract: In an ever more connected world one would expect to see collaborative efforts in academia build bridges between nations, continents and peoples. While the internet and digitisation have broken down boundaries and significantly lowered the financial obstacles as well as delays in time that came with

international partnerships, collaborations seem to have been strengthened between industrialised nations. In this talk, I will analyse publication data of articles, notes and presentations on that reference the continent of Africa, as well as nations past or present on the continent and investigate the distribution of author affiliation within and outside the continent.

Date: Thursday 31st March, 2022

Time: 2:30pm-4:00pm CET

Duration: 90 minutes

Speaker: Prof. Saralees Nadarajah (Saralees.Nadarajah@manchester.ac.uk)

Bio: Saralees Nadarajah is a Reader at the University of Manchester, UK. His research interests are in distribution theory, extreme value theory, statistical software, reliability, biostatistics and information theory. He is an author/co-author of four books, and has over 1000 refereed journal papers published or accepted.

Penalist/Co-organizer: Dr Adenomon Monday (adenomonmo@nsuk.edu.ng)

Penalist/Co-organizer: Timothy A. Ogunleye (thompsondx@gmail.com)

Penalist/Co-organizer: Dr Anthony Ekpo (ekpo.anthony@uam.edu.ng)

Registration link

<https://attendee.gotowebinar.com/register/7417122242903376140?source=iasc>

The 24th International Conference on Computational Statistics (COMPSTAT 2022)

Title: The 24th International Conference on Computational Statistics (COMPSTAT 2022)

Summary: The 24th International Conference on Computational Statistics (COMPSTAT 2022) will take place in University of Bologna, Italy, 23-26 August 2022. It is organized in a hybrid format. For further details please see <http://www.compstat2022.org>.

The 24th International Conference on Computational Statistics will take place at the University of Bologna, Italy, 23-26 August 2022. Tutorials will be given during the conference. The conference is sponsored by the European Regional Section of the IASC, and is hosted and organized by the Department of Statistical Sciences of the University of Bologna.

Due to the COVID-19 pandemic, the conference will be hybrid:

- Session organizers will choose either the in-person, the hybrid or the virtual option.
- Invited speakers should coordinate their presentation mode with the session organizers.
- Contributed speakers can choose the option of in-person or virtual presentation.
- Session organizers and contributed speakers will be able to change their contribution mode until the 10th of June 2022. After that date, any change is subject to availability.
- All the keynote talks, the special invited sessions, the hybrid organized sessions, and the virtual sessions will be live-streamed on Zoom for all the conference participants.
- The Poster Sessions will be virtual.
- All the participants can attend the conference in person, even if they choose a virtual oral presentation or a poster.

For further details please see <http://www.compstat2022.org>.

The III International School on Classification and Data Analysis

Title: The III International School on Classification and Data Analysis

Summary: The III International School on Classification and Data Analysis will take place in Como Lake, Italy, 2-6 May 2022.

Please refer to <https://rsfd.lakecomoschool.org/registration> for more information and registration.

The III International School on Classification and Data Analysis, organized by the Classification and Data Analysis Group of the Italian Statistical Society and the University of Milano-Bicocca on ROBUST STATISTICS: FOUNDATIONS and RECENT DEVELOPMENTS will take place in the awesome location of Villa del Grumello, in the shore of Como Lake (Como, Italy), on May 2-6, 2022.

The lecturers are among the most influential scholars in the field:

- Anthony Atkinson, London, School of Economics, UK
- Agustin Mayo-Iscar, University of Valladolid, ES
- Marco Riani, University of Parma, IT
- Francesca Greselin, University of Milano-Bicocca, IT

Please note that the conference room allows only for a very limited number of participants (no more than 30). The registration deadline is April 2, 2022. For more information and registration visit the URL: <https://rsfd.lakecomoschool.org/registration>.