



Centro de Estatística e Aplicações Universidade de Lisboa

Divulgação CEAUL 11/2023

28 Mar. 2023

Statistics and Risk Management Seminar

NOVA MATH/FCT NOVA

Self-Organizing Maps and its applications

Victor José de Almeida e Sousa Lobo, *Escola Naval & NovaIMS*

In this presentation, I will present an introduction to the unsupervised learning algorithm called Self-Organizing Maps (SOM). This algorithm is a neural-network that can learn to recognize patterns in unlabeled data. It can be used for clustering, and data visualization but also for classification.

29 março 2023 (4ª feira) - 14h00 | FCT NOVA, VII-1.19 & [Zoom](#).

Palestra

IRSE & IPMA

knobi: An R package implementing Known-Biomass Production Models under climate change scenarios

Anxo Pax, *Vigo Oceanographic Center*

Rising demand for food resources in conjunction with climate-related alterations in marine ecosystems and declining trends in fishing catches around the world suggests little room for the expansion of fisheries and a greater need for simple and efficient approaches to fisheries management. Many tools have been developed in order to understand how the effects of climate change could affect the different species and consequently what the socio-economic impacts would be. In this respect, biological reference points (BRPs) are important tools in the management of fisheries species. BRPs are not static, they change when the environment or the population itself changes. However, few tools allow you to calculate them under

climate change scenarios. Here we present knobi, a new R package that implements Known Biomass Production Models (KBPMs), allowing the estimation of BRPs taking into consideration the environmental variability, and the projection of the population under future different environmental and exploitation scenarios. European hake (*Merluccius merluccius*), a commercially important resource in European waters, is considered a case study to highlight the advantages and illustrate the use of this new tool. knobi software provides the scientific community with a simple and powerful tool to analyze the environmental effects over the current and future states of the population, as well as on the associated BRPs to prevent the ecological and socioeconomic impacts of climate change.

30 março 2023 (5ª feira) - 11h30 | [Zoom](#)

Meeting ID: 914 0414 8973

Password: 583275

Sessão de informação

EIC Pathfinder

29 março 2023 - 15h00 | Instituto Superior Técnico - Anfiteatro Abreu Faro

The ANI (National Innovation Agency) and the EIC (European Innovation Council) are organizing an information session on the main rules and steps to succeed on the EIC Pathfinder funding instrument, followed by a networking session with EIC representatives as well succeeded entities.

More information, [here](#). Registration is free, but mandatory, [here](#).

Encontros

Fórum Nacional de Saúde

21 Abril 2023, Faculdade de Medicina da Universidade do Porto - Auditório CIM

Save the date.

Inscrição obrigatória [aqui](#).

174th European Study Group with Industry

3 e 7 de julho de 2023 em Felgueiras

Este encontro permitirá que académicos das mais diversas áreas da Matemática trabalhem colaborativamente em desafios industriais com que as empresas se confrontam diariamente, sugerindo metodologias da sua área de especialização que conduzem à solução e contribuindo, desta forma, para a transferência de ID.

Mais informação, [aqui](#). A [inscrição](#) é gratuita, mas obrigatória.

Oportunidades

Affiliated Ph.D. Programs

CMU Portugal, sponsored by FCT, will offer up to 12 Scholarships for the 2023/2024 academic years.

Applications, until **31 March 2023**.

More Information, [here](#).

Consulta Prévia PNEC2030

Consulta à sociedade para revisão do Plano Nacional Energia e Clima 2030 (PNEC 2030)

A Direção Geral de Energia e Geologia e a Agência Portuguesa do Ambiente, I.P. estão a coordenar os trabalhos de revisão do Plano Nacional Energia e Clima 2030 (PNEC 2030) que estabelece as metas, objetivos, linhas de atuação e medidas de ação em matéria de energia e clima, devidamente relacionados com as 5 dimensões da União de Energia: Descarbonização; Eficiência Energética; Mercado Interno de Energia; Segurança Energética; e Investigação, Inovação e Competitividade.

Mais informação [aqui](#).

[Link para o questionário](#).

Prazo para resposta: **14 de abril de 2023**.

Formações

València International Bayesian Summer School – 6th edition (VIBASS 6)

10 to 14 July 2023 | València, Spain

Registrations opened on 15th Jan. 2023 and **usually sell out quickly**.

VIBASS 6 is a five-day summer school that offers an opportunity to be introduced to Bayesian learning without previous knowledge of the subject.

More information and practical details about VIBASS 6 including the registration form can be found [here](#).

Summer school on Advanced Bayesian Methods

Deadline for registration: July 31, 2023.

Organized by the Interuniversity Institute for Biostatistics and statistical Bioinformatics (I-BioStat). The target audience of the summer school is statisticians and/or epidemiologists with a sound background in statistics, but also with a background in Bayesian methodology.

Three-day course (**11-13 September**) on Bayesian Workflow for hierarchical and ODE-based models using Stan by Dr. Charles Margossian (Flatiron Institute, Center for Computational Mathematics in New York)

Two-day course (**14-15 September**) on Spatial modeling with inlabru in ecology and beyond-background and practice by Prof. Janine Illian (University of Glasgow, UK).

This is the [1st announcement](#). If interested, save the week. More information available soon.

Financiamento

1ª edição do Programa RESTART

Candidaturas à 1ª edição do Programa RESTART estão abertas até **30 de março de 2023**.

O programa RESTART destina-se a promover a igualdade de género e de oportunidades, através do financiamento competitivo de projetos individuais de I&D em todos os domínios científicos, no montante máximo de 50 mil euros e com uma duração de execução de 18 meses, quando realizados por investigadoras ou investigadores que tenham gozado recentemente de uma licença parental, incluindo por adoção.

Mais informações, [aqui](#).

Primeiro Concurso Transnacional Conjunto (CTC) - "The way forward: a thriving sustainable blue economy for a brighter future".

Parceria europeia cofinanciada Sustainable Blue Economy Partnership (SBEP), desenvolvida no âmbito do Programa-Quadro Horizonte Europa. O **Submissão de candidaturas** até **14 de abril de 2023 (14h GMT)**.

Mais informações, [aqui](#).

Interreg Europe - Sharing solutions for better policy

Interreg Europe's second call for projects proposal will open on 15 March and close at noon on **9 June 2023**.

Program objectives:

1. Smarter Europe
2. Greener Europe
3. More connected Europe
4. More social Europe
5. Europe closer to Citizens

Set of support tools to make the project development a success and more information, [here](#).

Conferências

3rd Stream of Abstract submissions for ASMDA2023

6 - 9 June 2023, Heraklion, Crete, Greece

The Applied Stochastic Models and Data Analysis International Conference (ASMDA2023) and the Demographics2023 Workshop in the Hellenic Mediterranean University (HMU) is a Hybrid Conference including in-Person and Virtual presentations.

3rd Stream of Abstract submissions Deadline: 30th March 2023.

More information, [here](#).

Lisbon Young Mathematicians Conference 2023

14 - 15 april 2023, Universidade Aberta, Lisbon.

Conference directed for Postdocs, PhD, and Master students in Mathematics and affine areas of Lisbon Universities. PhD and Master students will present short communications about their current research work.

Registration is free but mandatory. Registration is available [here](#).

Deadline for registration: 31st March 2023.

More information, [here](#).

14ª Conferência Lusófona de Ciência Aberta – chamada de trabalhos

A 14ª Conferência Lusófona de Ciência Aberta (ConfOA), que se realiza na Universidade Federal do Rio Grande do Norte, em Natal, Brasil, nos dias 18, 19, 20 e 21 de setembro de 2023, e **está a aceitar trabalhos nos seguintes temas**:

- Acesso Aberto e Dados de Investigação Abertos: sistemas, políticas e práticas
- Ciência Aberta e outras expressões de conhecimento aberto
- Gestão de informação de Ciência e Tecnologia

Data limite para a submissão de trabalhos: **3 de abril 2023**

Mais informações [aqui](#).

Arquivo da divulgação CEAUL, [aqui](#).