

SUSANA LUÍSA DA CUSTÓDIA MACHADO MENDES – BIOSKETCH

Susana Mendes is presently Adjunct Professor at School of Tourism and Maritime Technology (Polytechnic Institute of Leiria, Portugal), following member of Marine Resources Research Group (GIRM) of the School of Tourism and Maritime Technology (Portugal), collaborator member of Centre for Functional Ecology (CFE) of University of Coimbra (Department of Life Sciences, Portugal) and studies applied multivariate statistics. She conducted her PhD research in Applied Multivariate Statistics in the Department of Statistics, University of Salamanca (Spain) working on three-way models and their applicability to analyze data from ecological studies in time and space. She is presently author of 8 scientific papers published on ISI journals and presented more than 25 communications (oral and/or panel) in international scientific meetings.



SOME DETAILED INFORMATION:

INSTITUTIONAL ADDRESS

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PRESENT RESEARCH INTERESTS

Three-Mode models; Biplot versions of classic multivariate statistical techniques applied to ecological data; Comparison of subspaces from the Biplot perspective; STATIS methods; Co-Inertia analysis applied to ecological data.

EDUCATIONAL BACKGROUND

2012, MSc in Advance Analysis in Multivariate Statistics with the title “*El análisis de datos de tres vías desde dos perspectivas: la estabilidad y la dinámica de las estructuras?*”, Department of Statistics, University of Salamanca, Spain.

2012, PhD in Applied Multivariate Statistics with the title “*Multivariate methods to assess patterns of stability and change from a biplot perspective*” with Mention of *Doctor Europaeus*, Department of Statistics, University of Salamanca, Spain.

2007, Diploma of Advanced Studies (DEA) in Applied Multivariate Statistics with the title “*Análisis multivariante de la variabilidad espacio-temporal: análisis triádico parcial en datos del fitoplancton*”, Department of Statistics, University of Salamanca, Spain.

2005, Postgraduate in Statistics and Information Management (field: Data Analysis and Information Management), Institute of Statistics and Information Management (ISEGI), *Universidade NOVA de Lisboa (UNL)*, Portugal.

1999, Degree in Mathematics-Actuarial Sciences Field, Faculty of Science and Technology (FCT), *Universidade NOVA de Lisboa (UNL)*, Portugal.

PROFESSIONAL BACKGROUND

2003-Present, Adjunct Professor, School of Tourism and Maritime Technology (ESTM) - Polytechnic Institute of Leiria (IPL), Portugal.

2000-2004, Actuarial-programmer, Extremos – Software S.A., Lisbon, Portugal

1999-2000, Actuarial-programmer, Actuarial – Consultadoria S.A., Lisbon, Portugal

SUPERVISING EXPERIENCE

2012/2013 (in course)

School of Tourism and Maritime Technology (ESTM) - Polytechnic Institute of Leiria (IPL), Portugal, MSc in Quality Management and Food Safety (Thesis: *Avaliação da evolução do Sistema HACCP em estabelecimentos de restauração e unidades hoteleiras*)

2012/2013 (in course)

School of Tourism and Maritime Technology (ESTM) - Polytechnic Institute of Leiria (IPL), Portugal, MSc in Quality Management and Food Safety (Thesis: *Estratégias na Implementação da norma ISO 9001 em IPSS (Instituições Particulares de Solidariedade Social)*)

2011/2012 (in course)

Lisbon University Institute (IUL) – ISCTE, Portugal, MSc in Social Sciences Studies (Thesis: *A atividade profissional dos professores do ensino superior politécnico português*)

2010/2011 (concluded)

School of Tourism and Maritime Technology (ESTM) - Polytechnic Institute of Leiria (IPL), MSc in Aquaculture (Thesis: *Avaliação do desempenho de sacos suspensos na coluna de água para o cultivo de bivalves na Ria de Aveiro, com ênfase para a ostra japonesa (*Crassostrea gigas*) e a amêijoia-boa (*Ruditapes decussatus*)*)

REFEREE FOR SCIENTIFIC JOURNALS

Journal of Applied Statistics (<http://www.tandfonline.com/loi/cjas20>), 2011, 2012

CONTRIBUTING EDITOR FOR SCIENTIFIC JOURNALS

The American Journal of Agricultural and Biological Science (<http://thescipub.com/ajabs.toc>), from 2012

RESEARCH PROJECTS AS PARTICIPANT

Title: COMPARE - Impact of climate variability on zooplankton community structure and function in estuarine ecosystems. Funding: FCT (total funding: € 119 436), Portugal (PTDC/MAR/121788/2010), Coordinator: Sónia Cotrim Marques (CFE - University of Coimbra).

Title: Optimization of the renewal process of water purification in a purification center of live bivalve molluscs. Profresco – Produtos Alimentares, Lda., Funding: QREN/FEDER, Portugal, Coordinator: Rui Pedrosa (Marine Resources Research Group (GIRM) – School of Tourism and Maritime Technology, Polytechnic Institute of Leiria-Portugal).

OTHER TEACHING EXPERIENCE

2009, LLP Erasmus Programme, Teaching Staff Mobility, University of Lecce, Department of Biological and Environmental Sciences and Technologies, Italy.

Lecture on: Ecological Statistics: methods and applications in the field of Statistics and Computation

2006-2009, Training courses of Polytechnic Institute of Leiria, Portugal – *Campus 2*

Lecture on: Statistics Software: SPSS

OTHER PROFESSIONAL ACTIVITIES

At School of Tourism and Maritime Technology, Polytechnic Institute of Leiria-Portugal:

- Coordinator of working team for updating the site of GIRM (from June 2012)
- Member of the educational-pedagogic council (2006-2012)
- Member of the representatives' school assembly (2006-2009)
- Coordinator of working team for updating the site of ESTM (2006-2008)

PROFESSIONAL ASSOCIATIONS MEMBERSHIP

- Member of the Portuguese Statistical Society
- Member of the Portuguese Association of Classification and Data Analysis