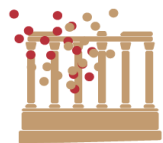


09:00–10:00	Maurizio Sanarico Everybody wants (think?) to play stats, will statistics play a key role in an everything-is-AI world? Chair: Russell Alpizar-Jara		Templo de Diana Room
	Conference Room A	Conference Room B	
	Statistical Analysis of COVID-19 Chair: Baltazar Nunes	Time Series Chair: Paulo M. M. Rodrigues	
10:00–10:20	<i>Constantino Caetano</i> Mathematical modelling of the impact of non-pharmacological and vaccination strategies to control the COVID-19 epidemic in Portugal	<i>Alberto Silva</i> Time series periodicity detection using area biplots	
10:20–10:40	<i>Marcelo Mrtvi</i> Estimation of the effective reproduction number for the COVID-19 epidemic in Switzerland	<i>Arminda Manuela Gonçalves</i> Daily temperature time series forecasting in the Optimal Challenges in Irrigation (TO CHAIR): a comparative...	
10:40–11:00	<i>Jorge Cabral</i> COVID-19 lockdown effect in COPD: a comparison of fixed-effects selection methods	<i>Diogo Sousa</i> Zero-distorted generalized geometric distribution with application to time series of counts	
11:00–11:20	<i>José Dias</i> Clustering of time series of COVID data	<i>Margarida Cardoso</i> The performance of a combined distance between time series	
11:20–11:30	Break		
	Statistical Modeling of Black-Swan Events Chair: Soraia Pereira	Clustering and Classification Chair: Maurizio Sanarico	
11:30–11:50	<i>Miguel de Carvalho</i> An extreme value Bayesian lasso for the conditional left and right tails	<i>Ángel López-Oriona</i> Quantile-based fuzzy C-means clustering of multivariate time series: Robust techniques	
11:50–12:10	<i>Alina Kumukova</i> Regression-type analysis for block maxima on block maxima	<i>Bárbara Santos</i> A supervised clustering algorithm for attributed networks	
12:10–12:30	<i>Jessica Lomba</i> Mixed moment estimator for inference on space-time extremes	<i>João Malato</i> Impact of misclassification in association analyses of complex illnesses: the case of ME/CFS	
12:30–12:50	<i>Maria Ivette Gomes</i> Estimation of the Weibull tail coefficient through the power mean-of-order- p generalized mean	<i>Ana Januário</i> A classification model for Mertolenga cattle breed	
12:50–14:00	Lunch & Social		
14:00–15:00	Poster Session (details on last page)		
	IS Official Statistics—Statistics Portugal (Instituto Nacional de Estatística) Organizer / Chair: Pedro Campos	Applied Bayesian Statistics Chair: Rui Paulo	
15:00–15:20	<i>Pedro Campos</i> Alguns contributos do INE no ensino e investigação em estatísticas oficiais	<i>Emmanuel Bernieri</i> Nonparametric Bayesian learning of GYMs: What hides behind the shape of a yield curve?	
15:20–15:40	<i>Francisco Lima</i> Consumption decisions and the COVID-19 pandemic: evidence from administrative data	<i>Rui Martins</i> Modelling the population dynamics of the Blackspot Seabream with a Bayesian state-space model	
15:40–16:00	<i>Francisco Vala</i> Mobilidade da população ao nível regional no contexto da pandemia COVID-19...	<i>Rui Paulo</i> Variable selection for black-box functions	
16:00–16:20	<i>Susana Clemente</i> Infecundidade permanente e voluntária: as pessoas sem filhos e sem intenção de os vir a ter	<i>Carlos Daniel Paulino</i> Enfoque decisional num quadro bayesiano paramétrico para verificar conformidade de água de lastro de navios com normas prescritas	
16:20–16:30	Break		
	IS Biometry (SPE Section & SGAPEIO) Organizer / Chair: Inês Sousa	Climate Change Statistics Chair: Isabel Pereira	
16:30–16:50	<i>Maria Jácome</i> Nonparametric inference for mixture cure model when the cure information is partially available	<i>Pamela Chiroque-Solano</i> Modeling of compositional data: a multilevel approach to benthic cover Abrolhos bank	
16:50–17:10	<i>Ana López-Cheda</i> A nonparametric estimation method based on the EM algorithm for the latency	<i>Fernanda Pereira</i> Calibration of daily maximum temperature: A Comparative Study using regression and state space models	
17:10–17:30	<i>Ricardo São João</i> Observational and comparative study between automatic and manual analysis of sleep studies	<i>Marco Costa</i> A calibration approach to update short-term forecasts of daily maximum temperature performed with distribution-free estimation	
17:30–17:50	<i>André Fonseca</i> Identification of immune responses predictive of clinical protection against Malaria	<i>Magda Monteiro</i> Non-parametric change point detection applied to climate change in Europe	
17:50–18:10	<i>Rosemeire Fiaccone & Dandara Ramos</i> Propensity scores approaches: challenges in observational studies		



Posters

Poster #	Sococo Poster room	Title / Author(s)
20	1	<i>Unravel shopper behaviour: analysis of consumption associations in fuel stations and their convenience stores</i> André Pedrinho , José Miguel Espinosa, Regina Bispo
21	2	<i>Irradiação solar e áreas das regiões faculares</i> E. Gonçalves , N. Mendes Lopes, J.M. Fernandes
22	3	<i>Modelação de nutrientes e elementos de qualidade ecológica para a classificação do estado das massas de água superficiais (Albufeiras do Norte)</i> Irene Oliveira , Joaquim Jesus, Rui Cortes
28	4	<i>vsd -- Visualizing survival data</i> Pedro Daniel Camacho , Ana Maria Abreu
32	5	<i>A model to predict the compressive strength of binders' constructed using fly ash and glass waste</i> Elisete Correia , Nuno Cristelo, Adelaide Cerqueira
38	6	<i>The chi-squared goodness of fit test revisited</i> Sandra Mendonça , Délia Gouveia-Reis
62	7	<i>Using SRSM for prediction and risk analysis: an application to censored/uncensored medical data</i> C. Leal , T.A. Oliveira, A. Oliveira
66	8	<i>Regressão Quantílica Lomax Exponencializada</i> Guilherme Da Silva Machado , Cleber Bisognin, Vanessa Siqueira Peres Da Silva
67	9	<i>Modelo Hierárquico Poisson-binomial na subnotificação de casos e óbitos por COVID-19 no Brasil</i> Janaína Geralda Mesquita Martins , Guaraci Requena
75	10	<i>Modeling residential adoption of solar PV systems</i> Carolina Goldstein , José Miguel Espinosa, Regina Bispo
84	11	<i>Assessing comorbid chronic diseases as predictors of COVID-19 severity: a meta-analysis</i> Marco Encarnação , Isabel Natário, Regina Bispo
90	12	<i>Desempenho do algoritmo EM na estimação dos parâmetros de misturas pseudo-convexas</i> Rui Santos , Miguel Felgueiras, João Paulo Martins
91	13	<i>Análise de sobrevivência de pacientes com insuficiência cardíaca</i> Inês Carvalho , Margarida Oliveira, Luís Machado
97	14	<i>Comparação das abordagens semi-paramétricas à ANOVA com dois fatores na presença de heterocedastidade</i> Dulce G. Pereira , Anabela Afonso
100	15	<i>Análise conjunta do tempo de sobrevivência global e do tempo livre de doença baseada em cópulas: uma aplicação ao cancro da mama</i> Beatriz Lourenço, Giovani L. Silva , António E. Pinto
105	17	<i>Uso de machine learning na classificação de notificações de dengue a partir de atributos clínicos de triagem</i> João Carlos Zayatz , Gislaine Camila Lapassini Leal, Paulo César Ossani, Greicy Cezar do Amaral
109	18	<i>COVID-19 em Portugal: uma análise de riscos competitivos</i> Margarida Ribeiro , Cristina Rocha, André Peralta-Santos
110	19	<i>Forecasting models for time-series: a comparative study between classical methodologies and Deep Learning</i> D.R. Lopes , F.R. Ramos, D.A. Mendes, A.R. Costa
113	20	<i>Can researchers ignore a complex sampling design on the estimation of Mokken scales?</i> Marcia Andrade
118	21	<i>COVID-19 Hospitalization in Portugal: Results from hospital discharge data</i> João F. Pereira , Constantino Caetano, Liliana Antunes, Maria Luísa Morgado, Paula Patrício, Baltazar Nunes
120	22	<i>Identificação de requisitos para o desenvolvimento de Exoesqueletos no âmbito da Infância</i> Joni Santos , Luís Quinto, Sérgio Gonçalves, Ivo Roupá, Miguel Silva, Paula Simões
136	24	<i>Hierarchical clustering algorithms in classification the spread of COVID-19 cases and deaths in European countries</i> Dulce Gomes , Thais Zamboni Berra, Antônio Ramos, Ricardo Alexandre Arcêncio