



Centre of Statistics and its Applications

CEAUL

REPORT 1/01/2017-31/12/2017

Summary of the tasks which have been carried out during the period covered by the report

1. Introductory remarks

This report includes the research activities of those who were considered as integrated members in 2017. A list of those integrated members is included in the document attached to this report, as well as a complete list of publications (international/national: 0/3 books, 0/1 chapters of books; 2/0 editions of books, 50/11 articles in journals, 21/2 proceedings), communications (13 seminars by invitation, 7 plenary talks, 32 Invited talks, 60 international contributed talks/posters, 44 national contributed talks/posters), projects and other activities.

2. Main topics of research developed during 2017

Group 1: Order Statistics, Extremes, Modelling and Simulation:

The main achievements in the field of statistics of extremes and risk modeling were in the fitting of tails affected by truncation and the development of new methodologies for the extreme value index (EVI) and value-at-risk (VaR) estimation together with the use of the peaks over random thresholds (PORT) power mean-of-order-p approach. The use of other generalized means was also intensified. A general estimator for the right endpoint of both light and exponential tails was developed, with an application to supercentenarian women's records. Penultimate approximations in extreme value theory and reliability of large coherent systems, the extremal index estimation, risk modelling and extremes in the generalized Verhulst model, and location invariant reduced-bias EVI/ VaR estimation were revisited. Different models for describing covariate-adjusted structures of extremal dependence have been developed.

In the area of statistical quality control (SQC), alternative acceptance-sampling plans for reducing the risk associated with chemical compounds, and control charts, implemented on the basis of a bootstrap reference sample, have been developed.

Modeling and applications in biometry and medicine were also undertaken. Relevant topics on animal density estimation using passive acoustic data are being put together in a Springer's book. In the area of applied nonparametric Bayes, models based on dependent Dirichlet processes, which can be applied to medical diagnostic data to discriminate diseased from non-diseased subjects, as a function of a covariate, were proposed. The centrality of spatial models in modern distance sampling was emphasized and spatial capture–recapture models appeared as an extension of distance sampling methods. A comparison of different methods suitable for monitoring marine mammals in low visibility conditions during seismic surveys was conducted, as well as the adequate estimation of bias under model selection for distance sampling detection functions. The importance of dental parameters in medico-legal human identification was enhanced with several case studies.

Regarding econometric modelling, methods for tracking and forecasting business cycles and contraction periods, based on singular spectrum analysis, have been developed. Also, a spatial econometrics analysis of the calls to the Portuguese National Healthline was undertaken.

Gaussian scale mixtures and binary classification methods based on a quantitative variable were developed and intensively compared by simulation. A fruitful approach of randomly stopped order statistics was initiated. Different types of big bang bifurcations and meta-analysis procedures were introduced. Statistical challenges for the 21st century were also identified.

Group 2: Statistical Models and Methods for Complex Systems

The main research activities during 2017 of the members of this group of research were as follows:

Books: Preparation of the 2nd edition (revised and extended) of the book on Bayesian Statistics (in Portuguese) edited by Calouste Gulbenkian Foundation. Work on a new book on Introduction to Bayesian Computational Statistics which was submitted to CUP and it is under revision;

Research themes: Extreme Value Estimation for Discretely Sampled Continuous Processes; Estimation of the odds ratios for continuous covariates using Generalized Additive Neural Networks; Analysis of missing data in longitudinal binary outcomes using generalized linear mixed-effects model with Markov correlation structure; A study on the performance of statistical approaches to model binary responses in longitudinal studies; new methods for Joint modeling of zero-inflated panel count and severity outcomes; Bayesian joint modelling of longitudinal and spatial survival applied to AIDS data; Bypassing Correction for Multiple Tests in the Detection of Intragenic Initiation: An Application of the Marascuilo Method; Spatio-temporal methods applied to Crime Rates; Stochastic simulation of bonuses and penalties in Portuguese Public-Private Partnerships; Bayesian nonparametric inference for the three-class Youden index and its associated optimal cutpoints; Spatial point referenced methods and models applied to unemployment estimation.

Regarding to the contribution to the thematic line on Environmental Statistics: A review of statistical models of wildfires giving particular attention to spatial and temporal patterns; The use of Generalized Additive Models for Location, Scale and Shape to explore fire incidence in Portugal; a study on the impact of Euro-Atlantic blocking patterns in Iberia precipitation using a novel high resolution dataset; a procedure that allows the operational generation of daily forecasts of fire danger over Mediterranean Europe aiming to improve state-of-the art modelling skills for classes of high fire danger; Impact of atmospheric circulation patterns on hospital admissions due to circulatory and respiratory diseases in Lisbon; Modelling zero inflated biomass from fisheries in the Lower Amazon River.

Regarding to the contribution to the thematic line on Biostatistics: A study on reference values of spirometry for an adult local Portuguese population; Exploring patterns of hearing loss and the role of GRM7 and NAT2 as possible markers of presbycusis and tinnitus in a Portuguese population sample; Knowledges, Attitudes and Practices of Health Students regarding Occupational Exposure to Ionizing Radiations; A study regarding choroidal thickness in diabetic patients without diabetic retinopathy; Proteoforms of transthyretin - candidate biomarkers in diagnosis of obstructive sleep apnea; Copy Number Variants (CNVs) association patterns in Suicidal Behavior (SB) and in Major Depression Disorder (MDD); Statistical approaches to antibody data analysis for populations on the path to malaria elimination.

3. Advanced training

There were 20 master dissertations and 6 Ph.D theses supervised by members of CEAUL. Besides, members of CEAUL lectured 10 advanced or specialized courses and organized 7 advanced courses, 4 of which were lectured in CEAUL.

4. Organization of events

There were 21 seminars organized by CEAUL; Members of CEAUL were responsible for the organization of 4 international meetings, thematic sessions, 30 participations in scientific and organizing committees.

5. Projects and consultancy

During 2017 members of CEAUL were involved in projects, 3 financed by FCT and 6 International. Consultancy work was done for several entities. They are listed in the attached pdf.

6. Projects evaluation and refereeing services

Some CEAUL members were in panels for evaluating international projects and most members acted as referees for a large diversity of international periodicals. Besides there is a strong involvement of members of CEAUL, regarding the international periodical REVSTAT edited by Instituto Nacional de Estatística (INE), on the role of Editor in Chief, Co-Editor and Associated Editors.

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Annex to the 2017 report

List of the members considered for this report

Group1 - Order Statistics, Extremes, Modelling and Simulation

Principal Researcher: Maria Ivette Leal de Carvalho Gomes

Integrated: (with Ph.D.)

Dinis Duarte Ferreira Pestana
Maria Manuela Costa Neves Figueiredo
Maria Isabel Fraga Alves
Luisa da Conceição S. Canto e Castro Loura
José Leonel Linhares da Rocha
Sandra Maria da Silva Figueiredo Aleixo
Amílcar Manuel do Rosário Oliveira
Clara Maria Henrique Cordeiro
Cláudia Margarida Pedrosa Neves
Cristiana Maria Palmela Pereira
Délia Canha Gouveia Reis
Fernanda Otilia de Sousa Figueiredo
Lígia Carla Pinto Henriques Jorge Rodrigues
Maria de Fátima Almeida Brilhante
Miguel de Carvalho
Sandra Maria Freitas Mendonça
Teresa Paula Costa Azinheira Oliveira
Tiago André Lamas Oliveira Marques
João Paulo Oliveira Martins
Miguel Martins Felgueiras
Paula Cristina Martins dos Reis
Rui Filipe Vargas de Sousa Santos
Paulo José Figueira Semblano
Fernanda Diamantino

Group2 - Statistical Models and Methods for Complex Systems

Principal Researcher:

Maria Antónia Amaral Turkman

Integrated: (with Ph.D. and at least 30% participation)

Laurens de Haan

Kamil Feridun Turkman

Carlos Daniel Paulino

Jorge Filipe Campinos Landerset Cadima

Lisete Maria Ribeiro de Sousa

Maria Lucília Salema e Carvalho

Maria Salomé Esteves Cabral

Ana Luísa Trigo da Silva

Cristina Maria Tristão Simões Rocha

Giovani Loiola da Silva

Luzia Augusta Pires Gonçalves

Maria Helena Neves Queirós Gonçalves

Marília Cristina de Sousa Antunes

Patrícia Cortés de Zea Bermudez

Vanda Calhau Fernandes Inácio

Valeska Andreozzi

Carina Soares da Silva

Maria da Conceição Rodrigues Ribeiro

Maria João Fernandes Pereira Polidoro

Paula Cristina Sequeira Pereira

Ricardo Miguel Vieira de São João

Sandra Cristina Faria Ramos

Nuno Henriques dos Santos Sepulveda

Carlos José Brás Geraldes

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PUBLICATIONS 2017

(Members of CEAUL in bold and underlined)

BOOKS INTERNATIONAL

In press

Thomas, L., **Marques, T.A.**, Harris, D.V., Hildebrand, J. (2017+). *Animal Density Estimation Using Passive Acoustic Data*, Methods in Statistical Ecology Series, Springer.

Submitted

Amaral Turkman, M.A., Paulino, C.D. and Muller, P. *Computational Bayesian Statistics-an introduction*. Submitted to IMS textbook series.

CHAPTER OF BOOKS INTERNATIONAL, in press

Caeiro, F., Cabral I. & **Gomes, M.I.** (2017+). Improving the asymptotically unbiased extreme value index estimation. In T.A. Oliveira, C. Kitsos, A. Oliveira and L.M. Grilo (eds.), *Recent Studies on Risk Analysis and Statistical Modeling*, Springer, in press.

Figueiredo, F., Figueiredo A. & **Gomes, M.I.** (2017+). Acceptance-sampling plans for reducing the risk associated with chemical compounds. In T.A. Oliveira, C. Kitsos, A. Oliveira and L.M. Grilo (eds.), *Recent Studies on Risk Analysis and Statistical Modeling*, Springer, in press.

Pereira, JMC and **K F Turkman** (2017+) Statistical models of wildfires; Spatial and temporal patterns. *Handbook of Environmental and Ecological Statistics*, (eds Alan E. Gelfand, Montserrat Fuentes and Jennifer A. Hoeting). Chapman and Hall, Boca Raton, in press.

Prata Gomes, D. and **Neves, M. M.** (2017+). Revisiting resampling methods in the extremal index estimation: improving risk assessment, In T.A. Oliveira, C. Kitsos, A. Oliveira and L.M. Grilo (eds.), *Recent Studies on Risk Analysis and Statistical Modeling*, Springer, in press.

BOOKS (EDITOR) INTERNATIONAL

Oliveira, T.A., Oliveira, A., Grilo, L.M., Carapau, F., Dias, C. and Santos, C. (2017). *Satellite Meeting ISI-Committee on Risk Analysis and XI Workshop on Statistics, Mathematics and Computation—Book of Abstracts*. Instituto Politécnico de Portalegre. ISBN: 978-989-8806-18-5. <http://conferencesstat.wixsite.com/wsmc11>

Scotto, M., **Sousa, L., de Zea Bermudez, P.** and Peña, D. (2017). *Symposium on Big Data in Finance Retail and Commerce – Statistical and Computational Challenges- Book of Abstracts*. CEAUL. ISBN: 978-989-733-059-9
<http://symposiumbigdata2017.weebly.com/book-of-abstracts.html>

BOOKS (EDITOR) INTERNATIONAL, in press

Oliveira, T.A., Kitsos, C., **Oliveira, A.** and Grilo, L.M. (eds.) (2017+). *Recent Studies on Risk Analysis and Statistical Modeling*. Springer, In press

PUBLICATIONS INTERNATIONAL

Aars, J.; **Marques, T.**; Lone, K.; Andersen, M.; Wiig, Ø.; Fløystad, I. M. B.; Hagen, S.B. & Buckland, S.T. (2017). The number and distribution of polar bears in the western Barents Sea area. *Polar Biology* **36**: 1374125.

DOI: [10.1080/17518369.2017.1374125](https://doi.org/10.1080/17518369.2017.1374125)

Adragão, T., Ferreira, A., Frazao, J.M., **Papoila, A.L.**, Pinto, I., Monier Faugere, M.C. and Malluche, H.H. (2017). Higher mineralized bone volume is associated with a lower plain X-Ray vascular calcification score in hemodialysis patients. *PLoS One* **12**(7): e0179868.

<https://www.ncbi.nlm.nih.gov/pubmed/28686736>

Almendra, R., Santana, P., Vasconcelos, J., **Silva, G.L.**, Gonçalves, F. and Ambrizzi, T. (2017). The influence of the winter North Atlantic Oscillation index on hospital admissions through diseases of the circulatory system in Lisbon, Portugal. *International Journal of Biometeorology*, **61**, 325-333. DOI: 10.1007/s00484-016-1214-z

<http://rd.springer.com/article/10.1007%2Fs00484-016-1214-z>

Batucu, J.R., Amaral, M.C., Favas, C., Paula, F.S., Ames, P.R., **Papoila, A.L.** and Delgado Alves, J. (2017). Extended Release-Niacin increases anti-ApoA-I antibodies that block the anti-oxidant effect of HDL-C: the EXPLORE clinical trial. *British Journal of Clinical Pharmacology* 83(5), 1002–1010. (DOI:10.1111/bcp.13198)

<https://www.ncbi.nlm.nih.gov/pubmed/27891663>

Beirlant, J., **Fraga Alves, M.I.** and Reynkens, T. (2017). Fitting tails affected by truncation. *Electronic Journal of Statistics*, 11:1, 2026–2065.

https://projecteuclid.org/download/pdfview_1/euclid.ejs/1494921829

Brás-Geraldes, C., Papoila, A.L. and Xufre, P. (2017). Generalized additive network with flexible parametric link function: model estimation using simulated and real clinical data. *Neural Computing and Applications*, pp 1-18. (DOI:10.1007/s00521-017-3105-6) <https://link.springer.com/article/10.1007/s00521-017-3105-6>

Borchers, D. L. & **Marques, T.A.** (2017). From distance sampling to spatial capture-recapture. *Advances in Statistical Analysis* **101**: 475–494.

DOI: [10.1007/s10182-016-0287-7](https://doi.org/10.1007/s10182-016-0287-7)

Brito-Costa, A., Pereira-da-Silva, L., **Papoila, A.L.**, Alves, M., Mateus, E., Nolasco, F. and Barroso, E. (2017). Preoperative metabolic status is associated with different evolution of resting energy expenditure after liver transplant in adults. *Nutrición Hospitalaria*, vol 34, 5. <http://dx.doi.org/10.20960/nh.1051>

Cardoso, G., **Papoila, A.L.**, Tomé, G., Killaspy, H., King, M. and Caldas-de- Almeida, J.M. (2017). A cluster randomised controlled trial of a staff-training intervention in residential units for people with long-term mental illness in Portugal: the PromQual trial. *Social Psychiatry and Psychiatric Epidemiology* [Epub ahead of print]. (DOI:10.1007/s00127-017-1416-7)

Clarke, G.M., Rockett, K., Kivinen, K., Hubbart, C., Jeffreys, A.E., Rowlands, K., Jallow, M., Conway, D.J., Bojang, K.A., Pinder, M., Usen, S., Sisay-Joof, F., Sirugo, G., Toure, O., Thera, M.A., Konate, S., Sissoko, S., Niangaly, A., Poudiougou, B., Mangano, V. D., Bougouma, E.C., Sirima, S.B., Modiano, D., Amenga-Etego, L.N., Ghansah, A., Koram, K.A., Wilson, M.D., Enimil, A., Evans, J., Amodu, O.K., Olaniyan, S., Apinjoh, T., Mugri, R., Ndi, A., Ndila, C.M., Uyoga, S., Macharia, A., Peshu, N., Williams, T.N., Manjurano, A., **Sepúlveda, N.**, Clark, T.G., Riley, E., Drakeley, C., Reyburn, H., Nyirongo, V., Kachala, D., Molyneux, M., Dunstan, S.J., Phu, N.H., Quyen, N.N., Thai, C.Q., Hien, T.T., Manning, L., Laman, M., Siba, P., Karunajeewa, H., Allen, S., Allen, A., Davis, T. M., Michon, P., Mueller, I., Molloy, S.F., Campino, S., Kerasidou, A., Cornelius, V.J., Hart, L., Shah, S.S.,

Band, G., Spencer, C.C., Agbenyega, T., Achidi, E., Doumbo, O.K., Farrar, J., Marsh, K., Taylor, T., Kwiatkowski, D.P. and MalariaGEN Consortium (2017). Characterisation of the opposing effects of G6PD deficiency on cerebral malaria and severe malarial anaemia. *Elife* 6. pii: e15085.

DOI: 10.7554/eLife.15085. <https://elifesciences.org/articles/15085>

Coatti, G., Frangini, M., Valadares, M., Gomes, J., Lima, N., Cavaçana, N., Assoni, A., Pelatti, M., Birbrair, A., Pedroso de Lima, A., Singer, J., Rocha, F., **Silva, G.L.**, Mantovani, M., Macedo-Souza, L., Ferrari, M., and Zatz, M. (2017). Pericytes extend survival of ALS SOD1 mice and induce expression of antioxidant enzymes in the murine model and in iPSCs derived motor neurons from an ALS patient. *Stem Cell Reviews and Reports*, 13 (5), 686-698. <https://link.springer.com/article/10.1007%2Fs12015-017-9752-2>

Cunha, J.P., Proença, R., Dias-Santos, A., Melancia, D., Almeida, R., Águas, H., Oliveira Santos, B., Alves, M., Tavares Ferreira, J., **Papoila, A.L.**, Louro, C. and Castanheira-Dinis, A. (2017). Choroidal Thinning: Alzheimer Disease and Aging. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring* 8, 11-17.

<https://www.ncbi.nlm.nih.gov/pubmed/28435851>

Cunha, J.P., Proença, R., Dias-Santos, A., Almeida, R., Águas, H., Alves, M., **Papoila, A.L.**, Louro, C. and Castanheira-Dinis, A. (2017). OCT in Alzheimer Disease: thinning of RNFL and superior hemiretina. *Graefe's Archive for Clinical and Experimental Ophthalmology* [Epub ahead of print]. (DOI:10.1007/s00417- 017-3715-9)

Curveira-Santos, G., **Marques, T.A.**, Björklund, M. & Santos-Reis M. (2017). Mediterranean mesocarnivores in spatially structured managed landscapes: community organization in time and space. *Agriculture, Ecosystems and Environment* **237**: 280-289.

DOI: [10.1016/j.agee.2016.12.037](https://doi.org/10.1016/j.agee.2016.12.037)

de Carvalho, M. & Rua, A. (2017). Real-Time Nowcasting the US Output Gap: Singular Spectrum Analysis at Work. *International Journal of Forecasting* **33**, 185-198.

<http://www.sciencedirect.com/science/article/pii/S0169207015001247>

Dewasurendra, R.L., Dias, J.N., **Sepúlveda, N.**, Gunawardena, G.S., Chandrasekharan, N., Drakeley, C., and Karunaweera, N.D. (2017). Effectiveness of a serological tool to predict malaria transmission intensity in an elimination setting. *BMC Infectious Diseases*,17(1): 49. <https://bmcinfectdis.biomedcentral.com/articles/10.1186/s12879-016-2164-0>

Felgueiras, M., Martins, J. & Santos, R. (2017). Gaussian Scale Mixtures. *Journal of Numerical Analysis, Industrial and Applied Mathematics*, **11 (1-2)**, 1-10.

http://www.inaiam.org/uploads/JNAIAM_Vol_11_Issue_1-2_Part_1.pdf

Figueiredo, F., Gomes, M.I. & Henriques-Rodrigues, L. (2017). Value-at-risk estimation and the PORT mean-of-order-p methodology. *Revstat—Statistical Journal* **15:2**, 187-204.

<https://www.ine.pt/revstat/pdf/rs170202.pdf>

Fraga Alves, M.I., Neves, C. & Rosário, P. (2017). A general estimator for the right endpoint with an application to supercentenarian women's records. *Extremes* **20:1**, 199-237.

<http://link.springer.com/article/10.1007/s10687-016-0260-6>

Fragata, I., Alves, M., **Papoila, A.L.**, Nunes, A., Ferreira, P., Canto-Moreira, N. and Canhão, P. (2017). Early prediction of delayed ischemia and outcome in acute subarachnoid hemorrhage: role of Diffusion Tensor Imaging. *STROKE* **48(8)**, 2091-2097. (DOI:10.1161/STROKEAHA.117.016811).

<https://www.ncbi.nlm.nih.gov/pubmed/28667021>

Fragata, I., Canhão, P., Alves, M., **Papoila, A.L.** and Canto-Moreira, N. (2017). Evolution of diffusion tensor imaging parameters after acute subarachnoid haemorrhage: a prospective cohort study. *Neuroradiology* **59(1)**, 13–21. (DOI:10.1007/s00234-016-1774-y). <https://www.ncbi.nlm.nih.gov/pubmed/28028564>

Garzón, M., Pereira-da-Silva, L., Seixas, J., **Papoila, A.L.**, Alves, M., Ferreira, F. and Reis, A. (2017). Association of enteric parasitic infections with intestinal inflammation and permeability in asymptomatic infants of São Tomé Island. *Pathogens and Global Health* **111(3)**, 116-127. <https://www.ncbi.nlm.nih.gov/pubmed/28279129>

Gomes, M.I. (2017). Report on the ISI lunchtime event “ISI and NSSs (National Statistical Societies)—Partnerships for Statistical Development”, *ISI News*, August 2017.

<https://www.isi-web.org/images/news/2017-08NSS.pdf>

Gomes, M.I. & Henriques-Rodrigues, L. (2017). Erratum to: Competitive estimation of the extreme value index [Statist. Probab. Lett. **117** (2016) 128–135]. *Statist. and Probab. Letters* **130**, 40-41.

<https://doi.org/10.1016/j.spl.2017.06.013>

Hanson, T.E., **de Carvalho, M.** & Chen, Y. (2017). Bernstein Polynomial Angular Densities of Multivariate Extreme Value Distributions. *Statistics and Probability Letters* **128**, 60-66.

<http://www.sciencedirect.com/science/article/pii/S0167715217301311>

Juarez-Colunga, E., **Silva, G.L.** and Dean, C.B. (2017). Joint modeling of zero-inflated panel count and severity outcomes. *Biometrics* (In Press).DOI: 10.1111/biom.12691 URL: <http://onlinelibrary.wiley.com/doi/10.1111/biom.12691/full>

Matos, I.C, Russo, G. & **Gonçalves, L.** (2017). Shifting determinants of health inequalities in unstable times: Portugal as a case study. *European Journal of Public Health*, ckx080. <https://doi.org/10.1093/eurpub/ckx080>

Marques, T.A., Thomas, L., Kéry, M., Buckland, S.T., Borchers, D.L., Rexstad, E., Fewster, R. M., MacKenzie, D.I., Royle, J.A., Guillera-Aroita, G., Handel, C.M., Pavlacky, Jr., D.C. & R.J. (2017). Camp Model-based approaches to deal with detectability: a comment on Hutto (2016). *Ecological Applications* **27**: 1694–1698.

DOI: [10.1002/eap.1553](https://doi.org/10.1002/eap.1553)

Martins, D.S., Paredes, P., Razinei, T., Pires, C., **Cadima, J.** & Pereira, L.S. (2017) Assessing reference evapotranspiration estimation from reanalysis weather products. An application to the Iberian Peninsula. *International Journal of Climatology*, Vol. 37(5), p.2378-2397. <http://onlinelibrary.wiley.com/doi/10.1002/joc.4852/full>

Mendes, A., **Papoila, A.L.**, Carreiro-Martins, P., Aguiar, L., Bonassi, S., Caires, I., Palmeiro, T., Silva Ribeiro, A., Neves, P., Pereira, C., Botelho, M.A., Neuparth, N. and Teixeira, J.P. (2017). The Influence of Thermal Comfort on the Quality of Life of Nursing Home Residents. *Journal of Toxicology and Environmental Health, Part A* [Epub ahead of print]. (DOI:10.1080/15287394.2017.1286929).

<https://www.ncbi.nlm.nih.gov/pubmed/28534713>

Pavlovic, S., **Palmela Pereira, C.** & **Santos, R.** (2017). Age estimation in Portuguese population: the application of the London atlas of tooth development, *Forensic Science International* **272**, 97-103.

<http://dx.doi.org/10.1016/j.forsciint.2017.01.011>

Pedro, C., Freitas, P., **Papoila, A.L.**, Dias, S., Caires, I., Martins, P. and Neuparth, N. (2017). Respiratory diseases in children attending kindergartens: Health-related variables and mothers' psychological, parental, and marital functioning. *Health Psychology Open*, **4** (2), 1-8 <https://doi.org/10.1177/2055102917724334>

Pereira-da-Silva, L., Nóbrega, S., Rosa, M.L., Alves, M., Pita, A., Virella, D., **Papoila, A.L.**, Serelha, M., Cordeiro-Ferreira, G. and Koletzko, B. (2017). Parenteral nutrition-associated cholestasis and triglyceridemia in surgical term and near-term neonates: A pilot randomized controlled trial of two mixed intravenous lipid emulsions. *Clinical Nutrition ESPEN*, 22, 7–12. [http://www.clinicalnutritionespen.com/article/S2405-4577\(17\)30053-0/abstract](http://www.clinicalnutritionespen.com/article/S2405-4577(17)30053-0/abstract)

Pinto, A.E., Pereira, T., **Silva, G.L.** and André, S. (2017). Prognostic relevance of DNA flow cytometry in breast cancer revisited: The 25-year experience of the Portuguese Institute of Oncology of Lisbon (Review). *Oncology Letters*, 13, 2027-2033. <https://www.spandidos-publications.com/10.3892/ol.2017.5718>

Prieto-Gonzalez, R., Thomas, L. & **Marques, T.A.** (2017). Estimation bias under model selection for distance sampling detection functions. *Environmental and Ecological Statistics* 24: 399–414.

DOI: [10.1007/s10651-017-0376-0](https://doi.org/10.1007/s10651-017-0376-0)

Rego, I. Russo, G., **Gonçalves, L.**, Prelman, J., Barros, P.P. (2017) Economic crisis and Portuguese National Health Service Physicians: findings from descriptive study of their perceptions and reactions from health care units in the Greater Lisbon area. *Acta Med Port*; 30(4):263-272

<http://www.actamedicaportuguesa.com/revista/index.php/amp/article/view/7690>

Rocha, J. Leonel, Taha, A-K, and Fournier-Prunaret, D. (2017). Homoclinic and Big Bang Bifurcations of an Embedding of 1D Allee's Functions into a 2D Diffeomorphism, *International Journal of Bifurcation & Chaos* 27:9, 1730030 (25).

DOI: [10.1142/S0218127417300300](https://doi.org/10.1142/S0218127417300300)

Russo, G., Pires, C., Prelman, J., **Gonçalves, L.**, Barros, P.P. (2017). Exploring public sector physicians' resilience, reactions and coping strategies in times of economic crisis; findings from a survey in Portugal's capital city area. *BMC Health Services Research*; 17:207.

<https://bmchealthservres.biomedcentral.com/articles/10.1186/s12913-017-2151-1>

Santos, A.I., Violante, L., Carmona, S., Prata, A., Victor, M.R., Santos, J.G., Sequeira, J.A., Alves, M., **Papoila, A.L.** and Piepsz, A. (2017). Interobserver agreement on cortical tracer transit in 99mTc-MAG3 renography applied to congenital hydronephrosis. *Nuclear Medicine Communications* 38(2), 124–128.

<http://dx.doi.org/10.1097/MNM.0000000000000620>

Sepúlveda, N., Manjurano, A., Campino, S.G., Lemnge, M., Lusingu, J., Olomi, R., Rockett, K.A., Hubbart, C., Jeffreys, A., Rowlands, K., Clark, T.G., Riley, E.M., Drakeley, C.J. and MalariaGEN Consortium (2017). Malaria Host Candidate Genes Validated by Association with Current, Recent, and Historical Measures of Transmission Intensity. *Journal of Infectious Diseases*, 216(1):45-54. <https://academic.oup.com/jid/article-lookup/doi/10.1093/infdis/jix250>

Silva, L., **Rocha, J. Leonel** and Silva, M.T. (2017). Bifurcations of 2-Periodic Nonautonomous Stunted Tent Systems, *International Journal of Bifurcation & Chaos* **27**:6, 1730020 (17).

DOI: [10.1142/S0218127417300208](https://doi.org/10.1142/S0218127417300208)

Simões, P., **Carvalho, M.L.**, **Aleixo, S.M.**, Gomes, S. and Natário, I. (2017). A spatial econometrics analysis of the calls to the Portuguese National Healthline, *Econometrics* **5**:2, 24, DOI:10.3390/econometrics5020024

<http://www.mdpi.com/2225-1146/5/2/24>

Souto Moura, T., Aguiar Rosa, S., Germano, N., Cavaco, R., Sequeira, T., Alves, M., **Papoila, A.L.** and Bento, L. (2017). The accuracy of PiCCO to measure cardiac output in patients under therapeutic hypothermia - comparison with transthoracic echocardiography measurements. *Medicina Intensiva* [Epub ahead of print]. (DOI:10.1016/j.medin.2017.03.007).

<https://www.ncbi.nlm.nih.gov/pubmed/28552462>

Tavares Ferreira, J., Proença, R., Alves, M., Dias-Santos, A., Oliveira Santos, B., Cunha, J.P., **Papoila, A.L.** and Abegão Pinto, L. (2017). Retina and Choroid of Diabetic Patients without observed retinal vascular changes: a Longitudinal Study. *American Journal of Ophthalmology* **176**, 15-25. <http://dx.doi.org/10.1016/j.ajo.2016.12.023>

Tiago, P., Ceia-Hasse, A. **Marques, T.A.**, Capinha, C. & Pereira, H. (2017). Spatial distribution of citizen science casuistic observations for different taxonomic groups. *Scientific Reports* **7**: 12832.

DOI: [10.1038/s41598-017-13130-8](https://doi.org/10.1038/s41598-017-13130-8)

Vacquié-Garcia, J., Lydersen, C., **Marques T.A.**, Aars, J., Ahonen, H., SkernMauritzen, M., Øien, N. & Kovacs, K.M. (2017). Late summer distribution and abundance of ice-associated whales in the Norwegian High Arctic. *Endangered Species Research* **32**, 59-70.

<https://doi.org/10.3354/esr00791>

Verfuss, U.K., Gillespie, D., Gordon, J., **Marques, T.A.**, Miller, B., Plunkett, R., Theriault, J., Tollit, D., Zitterbart, D., Hubert, P. & Thomas, L. (2017). Comparing methods suitable for monitoring marine mammals in low visibility conditions during seismic surveys. *Marine Pollution Bulletin*. **126**: 1-18.

DOI: [10.1016/j.marpolbul.2017.10.034](https://doi.org/10.1016/j.marpolbul.2017.10.034)

Verges M.R., Cascão, I., Merchant, N.D., Lammers, M., Giacomello, E., **Marques, T.A.** & Silva, M.A. (2017). Underwater ambient noise in a baleen whale migratory habitat off the Azores. *Frontiers in Marine Science* **4**: 109.

DOI: [10.3389/fmars.2017.00109](https://doi.org/10.3389/fmars.2017.00109)

Warren, V.E., **Marques, T.A.**, Harris, D., Tyack, P.L., Thomas, L., de Soto, N.A., Hickmott, L. & Johnson, M.P. (2017). Spatio-temporal variation in click production rates of beaked whales: implications for passive acoustic density estimation. *The Journal of the Acoustical Society of America* **141**: 1962-1974.

DOI: [10.1121/1.4978439](https://doi.org/10.1121/1.4978439)

Wetzel Gastal,D., Feitor,F., van Harten,S., Sebastiana,M., **Sousa, L.**, Alfaro-Cardoso, L. (2017). A Genomic study on mammary gland acclimatization to tropical environment in the Holstein cattle. *Tropical Animal Health and Production*. Published online 27 Sept 2017. DOI: 10.1007/s11250-017-1420-7

<https://link.springer.com/article/10.1007/s11250-017-1420-7>

PUBLICATIONS INTERNATIONAL, IN PRESS (accepted up to the end of 2017)

Cabral, M. S. and Gonçalves, M.H. (2017+). On Fitting Generalized Linear Mixed Effects Models for Longitudinal Binary Data Using Different Correlation Structures (online). *REVSTAT*. https://www.ine.pt/revstat/forthcoming_papers.html

Castagliola, P., **Figueiredo, F.** & Maravelakis, P. (2017+). The CUSUM median chart for known and estimated parameters. *Revstat—Statistical Journal*. Accepted, July 2017. <https://www.ine.pt/revstat/pdf/THECUSUMMEDIANCHART.pdf>

Castro, D. & **de Carvalho, M.** (2017+). Spectral Density Regression for Bivariate Extremes. *Stochastic Environmental Research and Risk Assessment*. <http://dx.doi.org/0.1007/s00477-016-1257-z>

Castro, D., **de Carvalho, M.** & Wadsworth, J. (2017+). Time-Varying Extreme Value Dependence with Application to Leading European Stock Markets. *Annals of Applied Statistics*.

http://imstat.org/aoas/next_issue.html

Haider, H.F., Flook, M., Aparicio, M., Ribeiro, D., **Antunes, M.**, Szczepek, A.J., Hoare, D.J., Fialho, G., Paço, J.C. and Caria, H. (2017+) Biomarkers of Presbycusis and Tinnitus in a Portuguese Older Population. *Frontiers in Aging Neuroscience*. October 2017, Volume 9, Article 346.

<https://www.ncbi.nlm.nih.gov/pubmed/29163129>

Henriques-Rodrigues, L. and **Gomes, M.I.** (2017+). Location invariant reduced-bias tail index estimation under a third-order framework. *J. Statist. Theory and Practice*, Accepted, June 2017.

<http://dx.doi.org/10.1080/15598608.2017.1342577>

Inácio de Carvalho, V., de Carvalho, M. and Branscum, A. (2017+). Nonparametric Bayesian Covariate-Adjusted Estimation of the Youden Index. *Biometrics*.

<http://dx.doi.org/10.1111/biom.12686>

Inácio de Carvalho, V., and Branscum, A.J. (2017+) Bayesian nonparametric inference for the three-class Youden index and its associated optimal cutpoints. *Statistical Methods in Medical Research*, Accepted.

Martins, J.P., Felgueiras, M. & Santos, R. (2016+). Estimation through array based group tests, *REVSTAT - Statistical Journal*. Accepted December 2015.

[https://www.ine.pt/revstat/pdf/Estimation throughArrayBased group tests.pdf](https://www.ine.pt/revstat/pdf/Estimation%20throughArrayBased%20group%20tests.pdf)

Martins, R., **Silva, G.L.** & **Andreozzi, V.** (2017+). Joint analysis of longitudinal and survival AIDS data with a spatial fraction of long-term survivors: A Bayesian approach. *Biometrical Journal* (In Press).

<http://onlinelibrary.wiley.com/doi/10.1002/bimj.201600159/abstract>

Oliveira, A., Oliveira, T.A. & Seijas-Macias, A. (2016+). The uniform distribution product: an approach to the (Q,r) inventory model using R. *Journal of Applied Statistics*. (Accepted, December 16; Published online: 05 Jan 2017).

<http://www.tandfonline.com/doi/abs/10.1080/02664763.2016.1275531>

Pereira, S., Turkman, K.F. and Correia, L. (2017+) Spatio-temporal analysis of regional unemployment rates: A comparison of model based approaches. *Revstat: Statistical Journal* (accepted) REVSTAT URL: https://www.ine.pt/revstat/forthcoming_papers.html

Pinto, M. M., DaCamara, C. C., Trigo, I. F., Trigo, R. M., and **Turkman, K. F.** (2017+): Fire danger rating over Mediterranean Europe based on fire radiative power derived from Meteosat, *Nat. Hazards Earth Syst. Sci. Discuss.* (accepted, December 2017), <https://doi.org/10.5194/nhess-2017-346>

Ripple, W.J., Wolf, C., Newsome, T.M., Galetti, M., Alamgir, M., Crist, E., Mahmoud, M.I., Laurance, W.F. & 15,364 scientist signatories from 184 countries (including **Marques, T.A.**). World Scientists' Warning to Humanity: A Second Notice. *BioScience*. DOI: [10.1093/biosci/bix125](https://doi.org/10.1093/biosci/bix125)

Sá, Ana, **Turkman, M.A.A.** and Pereira, J.M.C. (2017+) Exploring fire incidence in Portugal using Generalized Additive Models for Location, Scale and Shape (GAMLSS). *Modeling Earth Systems and Environment*. Accepted December 2017

Stober, J.M., Prieto-Gonzalez, R. Smith, L.L. **Marques, T.A.** & Thomas, L. (2017+). Techniques for estimating the size of low density Gopher tortoise populations. *Journal of Fish and Wildlife Management*. DOI: [10.3996/012017-JFWM-005](https://doi.org/10.3996/012017-JFWM-005)

Tsagbey, S., **de Carvalho, M.** & Page, G. L. (2017+). All Data are Wrong but some are Useful? *The American Statistician* <http://dx.doi.org/10.1080/00031305.2017.1311282>

JOURNAL (EDITOR) INTERNATIONAL

Gomes, M.I. & **L. de Haan** (Associate Editors), *Extremes*, Springer.

<http://www.springer.com/statistics/journal/10687/PSE?detailsPage=editorialBoard>

Gomes, M.I. & **D. Pestana** (Associate Editors), *Chaotic Modeling and Simulation* (CMSIM), An International Journal of Nonlinear Science.

http://www.cmsim.eu/editorial_board.htm

Gomes, M.I. (Editor-in-Chief) & **Amaral Turkman, M.A.** (Co-Editor), *REVSTAT: Statistical Journal*, INE. Associated editors from CEAUL: **D. Pestana**, **K.F. Turkman**, **C.D. Paulino** and **M.I. Fraga Alves**. <https://www.ine.pt/revstat/eboard.html>

Neves, M.M. (Associate Editor), *Soil Use and Management*.

<https://mc.manuscriptcentral.com/sum>

Palmela Pereira, C. (Editorial Board Member). *Journal of Civil & Legal Sciences*.

https://www.omicsonline.org/editor-profile/Cristiana_Palmela_Pereira/

Palmela Pereira, C. (Editorial Board Member). *Journal of Forensic Science & Criminology*.

<http://www.annexpublishers.com/journals/journal-of-forensic-science-and-criminology/editorial-board.php>

Palmela Pereira, C. (Editorial Board Member). *Journal of Forensic, Legal and Investigative Sciences*.

<http://www.heraldopenaccess.us/journals/Forensic-Legal-&-Investigative-Sciences/editorial-board.php>

Palmela Pereira, C. (Editorial Board Member). *Scholarena Journal of Forensic Sciences*.

<http://www.scholarena.com/eb/26/Cristiana-Palmela-Pereira--SAJ-Forensic-Science/>

Palmela Pereira, C. (Associate Editor). *BioInfo Publications*.

<https://bioinfopublication.org/journal.php?opt=azjou&jouid=BPJ0000051&detail=editorial>

Silva, G. (Associate editor) *Brazilian Journal of Probability and Statistics*.

<http://www.imstat.org/bjps/>

PROCEEDINGS INTERNATIONAL

Felgueiras, M., Martins, J. & Santos, R. (2017). On Variance Equality for Gaussian Mixtures. *Proceedings of 17th CMMSE*, 1427-1430.

https://iris.unito.it/retrieve/handle/2318/1644110/348934/DR_17.pdf

Fraga Alves, M.I. and **Neves, C.** (2017). Right endpoint: testing and estimation with application to human lifespan. *Proceedings of the 61st International Statistical Institute World Statistics Congress, ISI2017*, International Statistical Institute, The Hague, The Netherlands. Electronic publication (6 pages). *Website not yet available*.

Gomes, M.I. (2017). Extreme Value Analysis and Risk Modeling. *Proceedings of the 61st International Statistical Institute World Statistics Congress, ISI2017*, International Statistical Institute, The Hague, The Netherlands. Electronic publication (6 pages). *Website not yet available*.

Gomes, M.I. and **Pestana, D.** (2017). Mean-of-order-p reduced-bias value-at-risk estimation: a small-scale Monte-Carlo study. *Proceedings of the 61st International Statistical Institute World Statistics Congress, ISI2017*, International Statistical Institute, The Hague, The Netherlands. Electronic publication (6 pages). *Website not yet available*.

Gomes, M.I., Figueiredo, F. & Henriques-Rodrigues, L. (2017). PORT value-at-risk estimation through generalized means. *Proceedings of the International Statistical Institute Regional Statistics Conference*. Available on-line at:

https://isi-rsc2017.org/Portal/Proceeding/IPS/ISIRSC2017_IPS19_S1_P_Gomes.pdf

Gomes, M.I., Figueiredo, F. & Henriques-Rodrigues, L. (2017). Generalized means and peaks over random thresholds value-at-risk estimation. In T. Oliveira, A. Oliveira, L.M. Grilo, F. Carapau, C. Dias and C. Santos (eds.), *Satellite Meeting ISI-Committee on Risk Analysis and 11th Workshop on Statistics, Mathematics and Computation—Book of Abstracts*, IPP_Instituto Politécnico de Portalegre, pp. 14-15.

http://docs.wixstatic.com/ugd/447163_34944418a6764797ac9d52e278865e41.pdf

Gomes, M.I., Reis, P., Canto e Castro, L. & Dias, S. (2017). Penultimate approximations in extreme value theory and reliability of large coherent systems. In C.H. Skyadas (ed.), *Proceedings of the 17th Conference of the Applied Stochastic Models and Data Analysis International Conference (ASMDA 2017)*, pp. 345-356. Abstract available in: Skyadas, C. (ed.), *17th Applied Stochastic Models and Data Analysis International Conference with Demographics Workshop (ASMDA 2017)*, 6-7.

http://www.asmda.es/images/BOOK_OF_ABSTRACTS-ASMDA2017_Final.pdf

Martins, J., Felgueiras, M., & Santos, R. (2017). Glutamate dehydrogenase enzyme immunoassays: a meta-analysis with a Bayesian approach. *Proceedings of 17th CMMSE*, 1437-1440.

https://iris.unito.it/retrieve/handle/2318/1644110/348934/DR_17.pdf

Neves, M.M. & D. Prata Gomes, D. (2017). Extremal index estimation: a review of computational intensive procedures, *Proceedings of the 61st International Statistical Institute World Statistics Congress, ISI2017*, International Statistical Institute, The Hague, The Netherlands. Electronic publication (6 pages). *Website not yet available*.

Neves, M.M. & Prata Gomes, D. (2017). Computational procedures for parameter estimation in extremes: a review. *Proceedings of the 17th International Conference on Computational and Mathematical Methods in Science and Engineering (CMMSE-2017)*, J. Vigo-Aguiar (ed.), Costa Ballena (Rota), Cádiz, Spain, July 4-8, 2017}, 1550-1553.

Neves, M.M., Penalva, H., Nunes, S. & Prata-Gomes, P. (2017). Extreme value analysis: challenges and applications. In Oliveira, T. Et al. (eds.), *Satellite Meeting ISI-Committee on Risk Analysis and 11th Workshop on Statistics, Mathematics and Computation—Book of Abstracts*, IPP_Instituto Politécnico de Portalegre, pp. 28-29.

http://docs.wixstatic.com/ugd/447163_34944418a6764797ac9d52e278865e41.pdf

Nunes, S., **Oliveira, T.A.** and **Oliveira, A.** (2017). *Item response theory—A first approach*. *AIP Conference Proceedings 1863*, 550002.

<http://dx.doi.org/10.1063/1.4992683>

Nunes, S., **Oliveira, T.A.** and **Oliveira, A.** (2017). Problem based learning—A brief review. *AIP Conference Proceedings 1863*, 550001.

<http://dx.doi.org/10.1063/1.4992682>

O’Caoimh R., D. William Molloy, Carol Fitzgerald, Lex Van Velsen⁴, Miriam Cabrita, Mohammad Hossein Nassabi, Frederiek de Vette, Marit Dekker, Stephanie Jansen-Kosterink, Wander Kenter, Sanne Frazer, Amélia P. Rauter, **Antónia Turkman, Marília Antunes, Feridun Turkman**, Marta S. Silva, Alice Martins, Helena S. Costa, Tânia G. Albuquerque, Mario Scherillo, Maddalena Illario, Alejandro García, Rocío Sanchez Carrion, Enrique J. Gómez Aguilera, Javier Solana Sánchez, Hermie Hermans, Miriam Vollenbroek-Hutten (2017) Healthcare Recommendations from the PERsonalised ICT Supported Service for Independent Living and Active Ageing (PERSSILAA) study. *Proceedings Conference: 3rd International Conference on Information and Communication Technologies for Ageing Well and e-Health (ICT4AWE 2017)*, p. 91-103, At Porto, Portugal. DOI: 10.5220/0006331800910103,

<http://www.scitepress.org/DigitalLibrary/ProceedingsDetails.aspx?ID=UC+P3VLyEs=&t=1>

Palmela Pereira, C. (2017). Portuguese Military Air Crash Accident: Dental Identification of the Victims. Abstract Book of IOFOS Meeting, page 36.

https://gbiomed.kuleuven.be/apps/congresforodont/files/For_the_complete_Scientific_Program_document.pdf

Palmela Pereira, C. (2017). Medicina Dentária Forense. Proceedings of the 5th International Meeting on Forensic Science and Criminal Behaviour.

<https://meetingcfc17.wixsite.com/5thimforensicscb/inicio>

Palmela Pereira, C. (2017). Advantages of an European Network for the Study and Application of Medico-Legal Age Estimation. Proceedings of the 2017 Forensic Forums.

<http://lifescienceevents.com/forensicforums/>

Palmela Pereira, C. (2017). The Importance of Dental Parameters in Medico-Legal Human Identification: Case Studies. Proceedings of the 2nd Annual Genetics in Forensics Congress.

https://www.forensicgenetics-congress.com/wordpress/wp-content/uploads/2016/09/BF-Genetics-in-Forensics-Congress-160916-1.pdf?dm_i=2YXT%2CBI1V%2C4CKXL7%2C14C5N%2C1

Paredes, P.; Martins, D.S.; **Cadima, J.**; Pires, C. & Pereira, L.S. (2017) Accuracy of daily PM-ET\$ _0\$ estimations with ERA-Interim reanalysis products, Proceedings of the 10th World Congress of EWRA 'Panta Rhei', 5-9 July 2017, Atenas. Editores: G. Tsakiris, V.A. Tsihrintzis, H Vangelis, D. Tigkas. p. 1577-1584.

Santos, R., Martins, J.P., Felgueiras, M. & Ferreira, L. (2017). Binary Classification Based on a Quantitative Variable – an Accuracy Comparison by Simulation. *Proceedings of 17th CMMSE*, 1883-1886.

https://iris.unito.it/retrieve/handle/2318/1644110/348934/DR_17.pdf

Seijas-Macias, A., **Oliveira, A.** and **Oliveira, T.A.** (2017). The Presence of Distortions in the Extended Skew-normal Distribution. *Proceedings of the 2nd International Statistical Institute Regional Statistics Conference*. Available on-line at:

https://isi-rsc2017.org/Portal/Proceeding/IPS/ISIRSC2017_IPS19_S3_P_Macias.pdf

BOOKS NATIONAL

Brilhante, M. F. (2017). *Uma Introdução à Meta-Análise*. Edições SPE (iv+158 pages).

Figueiredo, F., Teles, P., Figueiredo, A. & Ramos, A. (2017). *Inferência Estatística— Problemas resolvidos e propostos com aplicações em R*. Escolar Editora, 1^a edição, Lisboa 2017, ISBN: 9789725925010 (651 pages).

<https://www.wook.pt/livro/inferencia-estatistica-fernanda-figueiredo/19220390>

Neves, M.M. (2017). *Introdução à Estatística e à Probabilidade com utilização do R*. ISAPress, 366 pages.

PUBLICATIONS NATIONAL & SCIENTIFIC DIVULGATION

Abreu, A., Oliveira, M., Cunha, P.S., Santa Clara, H., Santos, V., Portugal, G., Rio, P., Soares, R., Branco, L.M., Alves, M., **Papoila, A.L.**, Ferreira, R. and Mota Carmo, M. (2017). Predictors of response to cardiac resynchronization therapy: a prospective cohort study. *Revista Portuguesa de Cardiologia* 36(6), 417-425. (DOI:10.1016/j.repc.2016.10.010)

Fraga Alves, M.I. (2017). *Data Science, Big Data* e um novo olhar sobre a Estatística. Bulletin of the Portuguese Statistical Society, Autumn, 29-31.

Fontes, A.P., Fernandes, A.A., Botelho, M.A. and **Papoila, A.L.** (2017). Proposta de um Core Set Abreviado de Avaliação da Funcionalidade em Cuidados Pós-Agudos Geriátricos. *Portuguese Journal of Public Health* [Epub ahead of print]. (DOI:10.1159/000479755)

Marques, T.A. (2017). Desafios da Estatística para o século XXI. Bulletin of the Portuguese Statistical Society, Autumn, 45-48.

Marques, T.A. (2017). Como se contam baleias? RadioMiudos, Programa emitido a 26-04-2017 na www.radiomiudos.pt

Pereira-da-Silva, T., Soares, R.M., **Papoila, A.L.**, Pinto, I., Feliciano, J., Almeida-Morais, L., Abreu, A. and Cruz Ferreira, R. (2017). Optimizing risk stratification in heart failure and the selection of candidates for heart transplantation. *Revista Portuguesa de Cardiologia* [Epub ahead of print]. In press

Pestana, D. & Figueiredo, F. (2017). Incerteza Existe!, Bulletin of the Portuguese Statistical Society, Spring, 61-69.

http://www.spestatistica.pt/images/boletim/Boletim_primavera_2017.pdf

Ramos, S. (2017) Simulação de Monte Carlo na avaliação de incertezas de medição. Bulletin of the Portuguese Statistical Society, Spring, 30-33.

http://www.spestatistica.pt/images/boletim/Boletim_primavera_2017.pdf

Sepúlveda, N. (2017). A minha utopia para o Tema Central da Estatística. Bulletin of the Portuguese Statistical Society, Autumn, 49-55.

Silva, G.L. (2017). Métodos bayesianos para engenharia. Bulletin of the Portuguese Statistical Society, Spring, 56-60.

http://www.spestatistica.pt/images/boletim/Boletim_primavera_2017.pdf

Sousa, L.(2017) Novo olhar sobre a Estatística, imaginar o mundo. Bulletin of the Portuguese Statistical Society, Autumn, 42-44.

PROCEEDINGS NATIONAL

Oliveira, S., Leal, S., Vivas, C., Barradas, C., **São João, R.**, Jorge, N., Nascimento, J., Ferreira M.R., Passarinho, A., Santos, C., Amaral, M. & Rodrigues, A.I. (2017) VOLTO JÁ: PROGRAMA DE INTERCÂMBIO SÉNIOR/I'll Be Right Back: Senior Exchange Program. Revista da UIIPS – Unidade de Investigação do Instituto Politécnico de Santarém, Vol. 5, N. º 2, 2017, pp. 31-33, ISBN: 2182-9608.

<http://ojs.ipsantarem.pt/index.php/REVUIIPS>

São João, R., Teresa Coelho, Carla Sofia Ferreira, Ana Mendes Castelo, Maria Teresa Massano (2017) Estigma doença mental: estudo observacional e piloto em Portugal. Revista da UIIPS – Unidade de Investigação do Instituto Politécnico de Santarém, Vol. 5, N. º 2, 2017, pp. 171-185, ISBN: 2182-9608.

<http://ojs.ipsantarem.pt/index.php/REVUIIPS>

SEMINARS BY INVITATION

De Zea Bermudez, P. (2017). *“Spatial Modelling of the Abundance of Culex pipiens in Portugal - A Bayesian Approach”* Seminários de Bioestatística, Departamento de Estatística e Investigação Operacional, FCUL, Lisbon, 17 November 2017. (joint work with M. Antunes)

Fraga Alves, M.I. (2017). *“Tailoring Heavy Tails for a Truncated Scenario”*. Research Seminar in Working Group on Risk - CREAR, EEE - ESSEC La Défense (CNIT), Paris, France, May 31, 2017.

Gomes, M.I. (2017). *“Controlo Estatístico da Qualidade em Indústria e Serviços”*, Sessão da Classe de Ciências, Academia das Ciências de Lisboa, January 5, 2017.

Neves, C. (2017). *“On Trend Estimation and Testing with Application to Extreme Rainfall”*, School of Mathematics, Statistics and Physics, Newcastle University, 17th November 2017.

Oliveira, T.A. and **Oliveira, A.** (2017). *“Exploring R-Scripts for Experimental Design using R-Studio”*. Invited Seminar presented at the Poznan University of Life Sciences, Poland, June 23, 2017.

Oliveira, A. and **Oliveira, T.A.** (2017). *“Some Statistical Techniques used on Biometry using R”*. Invited Seminar presented at the Poznan University of Life Sciences, Poland, June 23, 2017.

Palmela Pereira, C. (2017). *“Contributos da Medicina Dentária Forense: Situações que justificam a intervenção da medicina dentária forense. Exames periciais e sua metodologia”*, Seminário no Mestrado integrado em Ciências Militares da Guarda Nacional Republicana, May 16.

Palmela Pereira, C. and **Santos, R.** (2017). *“Medicina Dentária Forense: A Prática Pericial e a Investigação Científica”*, Seminário integrado no Ciclo de Conferências Ferreira de Mira, Instituto de Investigação Científica Bento da Rocha Cabral, Junho 28, 2017.

Paulino, C.D. (2017). *“Modelação inidentificável e viabilização inferencial”*. Departamento de Estatística, Instituto de Matemática e Estatística, Universidade de São Paulo. June 9th, 2017.

Ramos, S. (2017) *“Simulação estocástica de prémios e multas nas parcerias público-privadas rodoviárias portuguesas”*. Conferência Parcerias Público-Privadas Rodoviárias, organizada pela Associação Frente Cívica, que decorreu no Porto a 08 de Abril de 2017. <https://transparencia.pt/event/conferencia-parcerias-publico-privadas-rodoviarias/>

Rocha, J. Leonel (2017). *“Big Bang Bifurcations and Allee's Dynamics in Generic Growth Functions”*, Seminário no Centro de Investigação em Matemática e Aplicações—CIMA, Universidade de Évora, Portugal, March 8, 2017.

Silva, G.L. (2017): *“Joint modeling of zero-inflated panel count and severity outcomes”*. Departamento de Matemática, Universidade Nova de Lisboa, June 7th, 2017.

Sepúlveda, N. (2017) *“Statistical approaches to antibody data analysis for population on the path of Malaria Elimination”*. Centre for Statistical Methodology, London School of Hygiene and Tropical Medicine, April 28th, 2017.

PARTICIPATION IN CONFERENCES

Plenary talks

Amaral Turkman, M.A. (2017): Multivariate APC model in the analysis of stomach cancer incidence in Southern Portugal. (in collaboration with A.L. Papoila). Satellite Meeting ISI-CRA 10mJuly, 2017, Lisbon, Portugal.

<http://conferencesstat.wixsite.com/wsmc11>

Gomes, M.I. (2017). "*Generalized Means and Resampling Methodologies in Statistics of Extremes*". The 10th International Statistics Congress (ISC2017), celebrating the 25 Years of the Turkish Statistical Association, Ankara, Turkey, December 6-8.

<http://www.istkon.net/v2/wp-content/uploads/2017/12/ISTKON10-Abstract-Book.pdf#page=20>

Gomes, M.I. (2017). "*Censoring, Truncation and Penultimate Extreme Value Theory in the Analysis of Cancer Data*". 7th International Conference on Risk Analysis (ICRA 7), May 3-5, Chicago, IL, USA.

<https://conferencesstat.wixsite.com/icra7/icra-info>

Gomes, M.I. (2017). "*Extreme Value Birnbaum-Saunders Model and Applications*", 10th Mathematical and Statistical Modeling Workshop, May 5-6, IL, USA.

Oliveira, T.A. and **Oliveira, A.** (2017). "*Experimental Design and related methodologies on Cancer Risk Research*". Plenary talk at 7th International Conference on Risk Analysis in honour of Professor Maria Ivette Gomes, May 3-5, Chicago, IL USA.

<https://conferencesstat.wixsite.com/icra7/icra-info>

Rocha, J. Leonel (2017). "*Bifurcation Structures of an Smbedding of 1D Generic Growth Maps into a 2D Diffeomorphism*", in co-authorship with Abdel-Kaddous Taha & D. Fournier-Prunaret (INSA, Toulouse), International Workshop on Nonlinear Maps and their Applications, NOMA'17, National Research Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod, Russia, June 28-30.

Turkman, K.F. (2017) Point reference methods and models for unemployment estimation. (in collaboration with Soraia Pereira). XXIII Congresso da Sociedade Portuguesa de Estatística. <http://spe2017.iscte-iul.pt/>

Invited talks (CEA/UL presenter)

Brilhante, M.F. (2017). “Population dynamics: Risk modeling and extremes in the generalized Verhulst model” (joint work with **Gomes, M.I.**, **Pestana, D.** & **Mendonça, S.**). ERCIM WG on Computational and Methodological Statistics (CMStatistics 2017), London, UK, December 16-18. Abstract available in: Gil Gonzalez-Rodriguez and Marc Hofmann (eds.), CFE and CMStatistics 2017: programme and Abstracts, p. 110.
<http://cmstatistics.org/CMStatistics2017/docs/BoA%20CFE-CMStatistics%202017.pdf?20171128000219#page=128>

Canto e Castro, L. (2017). “How is Administrative Data available for Research on Education”, Fourth Lisbon Research Workshop on Economics, Statistics and Econometrics of Education, 26-27 January, 2017, ISEG, Lisbon.

Canto e Castro, L. (2017). “A Importância da Terminologia e das Classificações na Produção de Estatísticas Harmonizadas a Nível Nacional e Internacional”, XXIII Congresso da Sociedade Portuguesa de Estatística, October 18- 21, 2017, ISCTE, Lisboa.

Cordeiro, C. (2017). “STL & Boot.EXPOS: Uma Nova Abordagem” (joint work with **M. Neves**, & **M.R. Ramos**). Invited talk at XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—Programa e Resumos, ISCTE/IUL, pp. 73-74.

De Zea Bermudez, P. (2017). “Modelação da abundância de Culex pipiens em Portugal”, Curso de curta duração – “Modelação Estatística e Sistemas de Informação Geográfica na Análise e Predição Ambiental em Saúde”, Instituto de Higiene e Medicina Tropical, UNL, 19-20 October, 2017.(joint work with M. Antunes)

Gomes, M.I. (2017). “PORT Value-at-Risk Estimation through Generalized Means”. International Statistical Institute Regional Statistics Conference, Session on “Statistical Modeling, Risk Analysis and Risk Assessment”, organized by A, Mukerjee and T. Oliveira, March 21-24, Bali, Indonesia.

Gomes, M.I. (2017). “Generalized Means and Peaks over Random Thresholds Value-at-Risk Estimation”. Plenary talk at The Satellite Meeting ISI-CRA and WSMC11, July 10-12, Lisboa and Portalegre, Portugal.

Gomes, M.I. (2017). “Penultimate Approximations in Extreme Value Theory and Reliability of Large Coherent Systems” (joint work with **P. Reis**, **L. Canto e Castro** & **S. Dias**). Invited plenary talk at The 7th Conference of the Applied Stochastic Models and Data Analysis International Society (ASMDA 2017), June 6-9, 2017, London, UK.

Gomes, M.I. (2017). "Reliability Bounds through Penultimate Approximations for Extremes" (joint work with **P. Reis, L. Canto e Castro & S. Dias**). 10th International Conference on Mathematical Methods in Reliability (MMR 2017), July 3-6, Grenoble, France. Abstract available in: Olivier Gaudoin (ed.), 10th International Conference on Mathematical Methods in Reliability (MMR 2017): Program and Book of Abstracts, p. 55. <https://toltex.u-ga.fr/progMMR2017>

Gomes, M.I. (2017). "Extreme Value Analysis and Risk Modeling" ISI 2017: The 61st World Statistics Congress, Invited Paper Session (IPS), on "Statistical Modelling and Risk Analysis", organized by Teresa Oliveira, Marrakech, July 16-21.

Henriques-Rodrigues, L. (2017). "Competitive Estimation of the Extreme Value Index" (joint work with **M. Ivette Gomes**). A Maximum Criticality Day Workshop, August, 17, São Paulo, Brazil.

<https://sites.google.com/view/maxcrit/home>

Neves, M.M. (2017) "Extreme Value Analysis: Challenges and Applications" Satellite Meeting ISI-Committee on Risk Analysis and XI Workshop on Statistics, Mathematics and Computation (ISI-CRA & WSMC11), (joint work with H. Penalva, S. Nunes & D. Prata Gomes), in the session "Statistical Challenges and its applications", organized by Dora Gomes, Portalegre, 10-12 July. Abstract available at: Satellite Meeting ISI-Committee on Risk Analysis and XI Workshop on Statistics, Mathematics and Computation I, pp 28-29.

http://docs.wixstatic.com/ugd/447163_34944418a6764797ac9d52e278865e41.pdf

Neves, M.M. (2017). "Computational Procedures for Parameter Estimation in Extremes: a Review" 17th International Conference on Computational and Mathematical Methods in Science and Engineering (CMMSE-2017) (joint work with D. Prata Gomes), in the session "New advances in statistical methodologies" organized by Felipe Marques, Cádiz, Spain, July 4-8.

http://cmmse.usal.es/cmmse2017/sites/default/files/volumes/Proceedings_CMMSE_2017_vol_1_6.pdf

Neves, M.M. (presenter) and **Cordeiro, C.**, "Modelação e Previsão de Extremos em Séries Temporais". Invited talk at XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—Programa e Resumos, ISCTE/IUL, pp. 71-72.

Oliveira, A. and **Oliveira, T.A.** (2017). “Control Charts for Attribute Control Based on Life Distributions with Applications on e-learning Classes Monitoring”. International Statistical Institute Regional Statistics Conference, Invited Session IPS27 entitled “Advances in “Advances in Statistical Process Control Schemes for Risk-Free Monitoring”, organized by A. Mukerjee, March 21-24, Bali, Indonesia. <https://www.isi-rsc2017.org>

Oliveira, A., **Oliveira, T.A.** and Leiva, V. (2017). “Revisiting Regression Models and some Applications considering Medical Data and Cancer Risks”. 7th International Conference on Risk Analysis in honour of Professor Maria Ivette Gomes, Session A-Statistical Models for Cancer Risk Analysis, May 3-5, Chicago, IL USA. <https://conferencesstat.wixsite.com/icra7/icra-info>.

Oliveira, A., **Oliveira, T.A.** (2017). “Control Charts for Attributes: A new Perspective based on Lifetime Distributions with Applications on E-Learning Classes Monitoring”. XXI Summer School of Biometrics, June 26–30, Karlov pod Pradědem, Czech Republic. <http://www.biometrika.cz/index.html>

Oliveira, T.A., **Oliveira, A.** and Francisco, C. (2017). “Models and Applications of BIB Designs in Life and Health Sciences”. International Statistical Institute Regional Statistics Conference, Invited Session IPS19 entitled “Statistical Modelling, Risk Analysis and Risk Assessment”, organized by A, Mukerjee and T. Oliveira, March 21-24, Bali, Indonesia. <https://www.isi-rsc2017.org>

Oliveira, T.A. and **Oliveira, A.** (2017). “Exploring BIBD and Related Designs Using R”. 17th Conference of the Applied Stochastic Models and Data Analysis International Society and Demographics2017 Workshop, in Session entitled “Data Analysis III”, June 6-9, London, UK. <http://www.asmda.es/asmda2017.html>

Oliveira, T.A., **Oliveira, A.** (2017). “Research on the R features for Experimental Designs in Biometrical Studies”. XXI Summer School of Biometrics, June 26–30, Karlov pod Pradědem, Czech Republic. <http://www.biometrika.cz/index.html>

Oliveira, T.A., and **Oliveira, A.** (2017). “Balanced Incomplete Block Designs: Some Applications and Visualization”. Invited talk presented at the Invited Topic Session of ISBIS under invitation of David Banks. Satellite Conference of the 61st World Statistics Congress, entitled “Data Science, Statistics & Visualisation (DSSV 2017)”, July 12-14 2017, IST, Lisbon, Portugal. <http://iasc-isi.org/dssv2017>.

Oliveira, T.A., and **Oliveira, A.** (2017). “Exploring R features for Experimental Designs with a Single Factor”. IV Workshop on Computational Data Analysis and Numerical Methods (WCDANM), Beja Polytechnic Institute, Beja, Portugal, October 27, 2017. <http://www.wcdanm-beja17.uevora.pt/committee/>

Palmela Pereira, C. (2017). “Portuguese Military Air Crash Accident: Dental Identification of the Victims”. Abstract Book of IOFOS Meeting, page 36. [https://gbiomed.kuleuven.be/apps/congresforodont/files/For the complete Scientific Program document.pdf](https://gbiomed.kuleuven.be/apps/congresforodont/files/For_the_complete_Scientific_Program_document.pdf)

Palmela Pereira, C. (2017). “Medicina Dentária Forense”. Proceedings of the 5th International Meeting on Forensic Science and Criminal Behaviour. <https://meetingcfc17.wixsite.com/5thimforensicscb/inicio>

Palmela Pereira, C. (2017). “Advantages of an European Network for the Study and Application of Medico-Legal Age Estimation”. Proceedings of the 2017 Forensic Forums. <http://lifescienceevents.com/forensicforums/>

Palmela Pereira, C. (2017). “The Importance of Dental Parameters in Medico-Legal Human Identification: Case Studies”. 2nd Annual Genetics in Forensics Congress.

Palmela Pereira, C., & **Santos, R.** (2017/06). “Medicina Dentária Forense: A Prática Pericial e a Investigação Científica”, Ciclo de Conferências Ferreira de Mira 2017, Instituto de Investigação Científica Bento Rocha Cabral, Lisboa.

Santos, R. (2017/03) “Análises Clínicas e Probabilidade Condicionada”, Escola Secundária Francisco Rodrigues Lobo, Leiria.

Santos, R. (2017/01) “Estatística Aplicada à Enfermagem”, Escola Superior de Enfermagem de Vila Real, Universidade de Trás-os-Montes e Alto Douro, destinados aos estudantes dos mestrados em enfermagem comunitária.

Semblano, P., “Café, Arte e Segmentação”. Invited talk at XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—Programa e Resumos, ISCTE/IUL, pp. 27-28.

Sepúlveda, N. Invited talk: “Current approaches and new tools to measure malaria transmission”. Workshop – Malaria transmission: current challenges and new tools in the elimination context, Lisbon – Portugal, October 30-31, 2017.

Silva, G.L., Martins, R. and Andreozzi, V. Invited talk: "Bayesian joint modeling of longitudinal and spatial survival AIDS data". X international, interdisciplinary conference on spatial statistics, geographical epidemiology and geographical aspects of public health (GEOMED2017), Porto - Portugal. 7-9/09/2017. URL: <http://www.i3s.up.pt/geomed2017>

Invited talks (CEA/UL co-author)

Francisco, C. (presenter), **Oliveira, T.A.**, **Oliveira, A.** and Grilo, L. (2017). "Hadamard Matrices and links to Information Theory". In Session #96-Statistical Modelling, Stochastic Processes and Applications, ICNAAM2017, 15th International Conference of Numerical Analysis and Applied Mathematics, Thessaloniki, Greece, September 25-30, 2017. <http://icnaam.org/>

Mahmoudvand, R. (presenter), **Oliveira, T.A.** and **Oliveira, A.** (2017). "*Modeling Water Table Depth Fluctuation Using SSA – A Study on Risk of Water Scarcity*". 17th Conference of the Applied Stochastic Models and Data Analysis International Society and Demographics2017 Workshop, in Session entitled "Filtering - Forecasting - Graphs", June 6-9, London, UK. <http://www.asmda.es/asmda2017.html>

Pereira J.L. (presenter), Morais C., Mendes L., and **Oliveira, T.A.** (2017). "Comparison of Averages through Statistical Models: an Application in Dental Medicine". In Session #96- Statistical Modelling, Stochastic Processes and Applications, ICNAAM2017, 15th International Conference of Numerical Analysis and Applied Mathematics, Thessaloniki, Greece, September 25-30, 2017. <http://icnaam.org/>

Seijas-Macias, A. (presenter), **Oliveira, A.** and **Oliveira, T.A.** (2017). "*The Presence of Distortions in the Extended Skew-normal Distribution*". International Statistical Institute Regional Statistics Conference, Invited Session IPS19 entitled "Statistical Modelling, Risk Analysis and Risk Assessment", organized by A. Mukerjee and T. Oliveira, March 21-24, Bali, Indonesia. <https://www.isi-rsc2017.org>

CONTRIBUTED TALKS AND POSTERS

International

Aleixo, S.M., Marques, V., Cunha, B., Fonseca, L.P. & Calado, C.R.C. (2017). “*Spectral Biomarkers of Gastric Adenocarcinoma cells Infection by Helicobacter Pylori*”, 5th Portuguese BioEngineering Meeting, Coimbra, Portugal, February 16-18.

Amaral Turkman, M.A. and Sá, A. (2017) Exploring fire incidence in Portugal using generalized additive models for location, scale and shape. ERCIM WG on Computational and Methodological Statistics (CMStatistics 2017), 16-19 December, London,

<http://cmstatistics.org/RegistrationsV2/CMStatistics2017/viewSubmission.php?in=1687&token=qpg5r9884964op6r3o17qo35o20s3716> (poster).

Brás-Geraldes, C., Papoila, A.L. and Xufre, P. (2017). Estimation of the odds ratios for continuous covariates using Generalized Additive Neural Networks. 38th Annual Conference of the International Society for Clinical Biostatistics (ISCB), Vigo – Spain, 9 to 13 July 2017. (poster)

Cabral, M. S. and Gonçalves, M. H. (2017) - "Analysing missing data in longitudinal binary outcomes using generalized linear mixed-effects model with Markov correlation structure". 38th Annual Conference of the International Society for Clinical Biostatistics, 9-13 July, Vigo, Spain, pg.112.

<http://iscb2017.info/uploadedFiles/ISCB2017.y23bw/fileManager/ISCB2017%20Book%20of%20Abstracts.pdf> (ISBN: 978-84-697-4704-9)

Caeiro, F. (presenter), Cabral, I. & **Gomes, M.I.** (2017). “*A Bias Corrected Generalized Hill Estimator*”. International Conference on Extreme Value Analysis, Delft University of Technology (TU Delft), The Netherlands, June 26-30. Abstract available at: *Book of Abstracts: EVA 2017*, p. 14-15. Available at: <http://www.eva2017.nl/resources/book-of-abstracts.pdf>

Canto e Castro, L. (2017). “*Education’s Big Data: Management and Statistical Challenges*”, Symposium on Big Data in Finance, Retail and Commerce: Statistical and Computational Challenges, 2-3 November 2017, Lisbon.

Cardoso, A. S., **Cabral, M. S.**, Carrondo, A. P and Guerra, Jose (2017) - "Population pharmacokinetics of cyclosporine using nonlinear mixed-effects modelling and Bayesian estimation in renal transplant patient". 38th Annual Conference of the International Society for Clinical Biostatistics, 9-13 July, Vigo, Spain, pg.218.

<http://iscb2017.info/uploadedFiles/ISCB2017.y23bw/fileManager/ISCB2017%20Book%20of%20Abstracts.pdf> (ISBN: 978-84-697-4704-9)

Carvalho, S.A, Rosa, P., Clérigo, A. and **Silva, C.** (2017). Reference values of spirometry for an adult local Portuguese population. ERS International Congress 2017, Italy, Milan, 9-13 September. <https://erscongress.org/home2017.html> (poster)

Cordeiro, C. (2017). "*The Effects of the Physical and Climatic Variables on Time Series of MERIS Product Algal Pigment Index 1 in the SW of Portugal: Sagres*" (joint work with Cristina, S., Goela, P., Icely, J., Lavender, S. and Newton, A.). 3rd IOCS meeting International Ocean Color Science 2017, 15-18 May 2017, Lisbon, Portugal.

Abstract available at: <http://iocs.ioccg.org/wp-content/uploads/2017/05/abstracts-iocs-2017-all-10may2017.pdf>

Cordeiro, C. (2017). "A bootstrap contribution in STL decomposition" (joint work with M.M. Neves and R. Ramos). ERCIM WG on Computational and Methodological Statistics (CMStatistics 2017), London, UK, December 16-18. Abstract available in: Gil Gonzalez-Rodriguez and Marc Hofmann (eds.), CFE and CMStatistics 2017: programme and Abstracts, p. 26.

<http://cmstatistics.org/CMStatistics2017/docs/BoA%20CFE-CMStatistics%202017.pdf?20171128000219#page=44>

Custódio, A., Borges, L., Pires, I., Santana, R.A., Kwiatkowska, K., **Sousa, L.**, Nicolau, P., Lacerda, M., Barbosa, M.G.V. and Silveira, H. (2017). "Immune stimulatory molecules increase resistance to Plasmodium infection in Anopheles mosquitoes." The 73rd Meeting of the Japanese Parasitological Society, West Japan Branch. September 14-15, Osaka City University, Osaka, Japan

De Haan, L. (2017) The bootstrap in extreme value theory. EVA 2017, 10th Extreme Value Analysis Conference TU Delft – June 26-30, 2017.

DeRuiter, S., Oh, Y. J., Sweeney, D. Harris, C., Johnson, M., **Marques, T.A.**, Swift, R. (2017). "*Software Tools for Analysis of Data from High-Resolution Animal-Borne Tags*". Poster presented at The 22nd Biennial Conference on the Biology of Marine Mammals, Halifax, Canada.

Dolan, K., Shaffer, J., Blackstock, S., Claridge, D., Dunn, C., Thomas, L. & **Marques, T.A.** (2017). “*Beaked Whale Group Deep Dive Behavior from Passive Acoustic Monitoring*”. Poster presented at The 22nd Biennial Conference on the Biology of Marine Mammals, Halifax, Canada.

Felgueiras, M. (presenter), **Martins, J.** & **Santos, R.** (2017). “*On Variance Equality for Gaussian Mixtures*”. 17th CMMSE, Spain.

Figueiredo, F. (presenter), Figueiredo, A. and **Gomes, M.I.** (2017). “*An Overview of Big Data Applications*”. Symposium on Big Data in Finance, Retail and Commerce: Statistical and Computational Challenges. Abstract available In Scotto, M., Sousa, L., de Zea Bermúdez, P. & Peña, D. (eds.), — Book of Abstracts and Extended Abstracts, p. 77. <http://symposiumbigdata2017.weebly.com/book-of-abstracts.html>

Fraga Alves, M.I. (presenter) and **Neves, C.** (2017). “*Right Endpoint: Testing and Estimation with Application to Human Lifespan*”. ISI2017—61st World Statistics Congress of International Statistical Institute, Marrakech, Morocco, July 16-21, 2017.

Francisco, C. and **Oliveira, T.A.** (2017). “*Modeling Caribou Population Density in Manitoba and Northwest Territories*”. 7th International Conference on Risk Analysis in honour of Professor Maria Ivette Gomes, Chicago, IL USA, May 3-5, 2017. <https://conferencesstat.wixsite.com/icra7>

Francisco, C., **Oliveira, T.A.** (2017). “*Modeling the Risk of Fire Hazard on the Caribou Populations*”. 7th International Conference on Risk Analysis, Northeastern Illinois University. Chicago, Illinois, USA, May 3-5, 2017. <https://conferencesstat.wixsite.com/icra7>

Francisco, C. and **Oliveira, T.A.** (2017). “*Bootstrapping Forest Wildfire and Frequency*”. 7th International Conference on Risk Analysis in honour of Professor Maria Ivette Gomes Chicago, IL USA, May 3-5, 2017. <https://conferencesstat.wixsite.com/icra7/icra-info>

Francisco, C. and **Oliveira, T.A.** (2017). “*A Statistical Review on the Perfect Graeco Latin Balanced Incomplete Block Designs*”. Satellite Meeting of 61th ISI World Statistics Congress, Marrakech, Morocco. July 16 – 21, 2017. <http://payment.isi2017.org/>

Francisco, C., Cumming, S. G., Duchesne, T., **Oliveira, T.A** and Martell, D. (2017). *“Modeling the Number and Size of Forest Fires in Canada”*. 11e édition du Colloque du CEF- Centre d'étude de la forêt, UQAM- Université du Québec à Montréal, Canada. May 1-2, 2017. <http://www.cef-cfr.ca/uploads/Colloque/Programme2017.pdf>

Francisco, C., Duchesne, T. and **Oliveira, T.A** (2017). *“A Review of Statistical Methods in the Discovery of the Higgs Boson”*. LHC, CAP (Canadian Association of Physicists) Congress / Congrès de l'ACP 2017 at the Queen's University in Kingston, Ontario, Canada, May 29 – June 1. <http://www.cap.ca/en/congress/2017>

Francisco, C., **Oliveira, T.A.**, Cumming, S. (2017). *“Canadian Boreal Forest Fire Disturbance and Climate Change”*. In organized Session S6, entitled Statistical Modelling and Data Analysis. 11th Workshop on Statistics, Mathematics and Computation (WSMC11), Portalegre, July 11-12, 2017.

<http://conferencesstat.wixsite.com/wsmc11>

Francisco, C., **Oliveira T.A.** and Cumming, S. (2017), *“Forest Wildfire Burned Area Prediction with Parametric Models”*. Satellite Meeting ISI-CRA and 11th Workshop on Statistics, Mathematics and Computation (WSMC11), Instituto Politécnico de Portalegre, Portugal, July 10-12, 2017, in the organized session "Statistical Modelling and Data Analysis". Available in: <http://www.ceaul.fc.ul.pt/seeevent.html?id=397>

Gomes, M.I. (presenter), Caeiro, F., **Neves, M.M.** & Penalva, H. (2017). *“Generalized Means in Statistical Extreme Value Theory”*. ERCIM WG on Computational and Methodological Statistics (CMStatistics 2017), London, UK, December 16-18. Abstract available in: Gil Gonzalez-Rodriguez and Marc Hofmann (eds.), CFE and CMStatistics 2017: programme and Abstracts, p. 237.

<http://cmstatistics.org/CMStatistics2017/docs/BoA%20CFE-CMStatistics%202017.pdf?20171128000219#page=255>

Gomes, M.I., (presenter), **Figueiredo, F.** and **Henriques-Rodrigues, L.** (2017). *“PORT Estimation of Parameters of Extreme Events through Generalized Means”* (joint work with). 10th International Conference on Extreme Value Analysis, Delft University of Technology (TU Delft), The Netherlands, June 26-30. Abstract available at: *Book of Abstracts: EVA 2017*, p. 32-33. Available at: <http://www.eva2017.nl/resources/book-of-abstracts.pdf>

Gonçalves, M. H. and Cabral, M. S. (2017) - "Performance of statistical approaches to model binary responses in longitudinal studies". DSSV2017-Data Science Statistics & Visualisation, 12-14 July, Lisboa, Portugal. [URL:http://iasc-isi.org/dssv2017/](http://iasc-isi.org/dssv2017/)

Gonçalves, M.H. and Cabral, M. S. (2017) - "An overview of R packages for the analysis of longitudinal binary data". II International Congress. Interdisciplinarity in Social and Human Sciences, 11-12 May, Faro, Portugal. <http://cieo15.wixsite.com/interdiscip2017>

Gouveia-Reis, D. (presenter) & **Mendonça, S.** (2017). "*Pareto-type Models for Precipitation in Madeira Island*" (joint work with). 10th International Conference on Extreme Value Analysis, Delft University of Technology (TU Delft), The Netherlands, June 26-30. Abstract available at: *Book of Abstracts: EVA 2017*, p. 33.

<http://www.eva2017.nl/resources/book-of-abstracts.pdf>

Henning, E., Kalbusch, A., Konrath, A.C., Oliveira, T.A., Oliveira, A. (2017). "*Application of Statistical Process Control on Water Supply Networks*". In STS068 (Special Thematic Session) entitled Challenges in Experimental Design and Statistical Quality Control. 61st World Statistics Congress, Marrakech, Morocco, July 16-21, 2017.

<http://payment.isi2017.org/>

Juarez-Colunga, E., **Silva, G.L.** and Dean, C. Poster: "Joint Modeling of Zero-inflated Panel Count and Severity Outcomes" Statistical Analysis of Multi-Outcome Data Conference (SAM2017), Liverpool - England, July 3-4, 2017.

<https://www.liverpool.ac.uk/translational-medicine/research/sam-conference/about/>

Kwiatkowska, K. and **Sousa, L.** (2017). "Copy Number Variants (CNVs) association patterns in Suicidal Behavior (SB) and in Major Depression Disorder (MDD)". Bioinformatics Open Days 2017, February 22-24, Braga, Portugal. POSTER; Presenter – Kwiatkowska, K.

Marques, T.A., Jorge, P.A., Shaffer, J.W., Dolan, K., Blackstock, S., Mouriño, H., Thomas, L., Moretti, D.J., Claridge, D. & Dunn, C. (2017). "*A Model for Group Size as a Function of its Acoustical Footprint to Improve Density Estimation of Beaked Whales via Dive Counting*". 22nd Biennial Conference on the Biology of Marine Mammals, Halifax, Canada.

Martins, J. (presenter), **Santos, R.** & **Felgueiras, M.** (2017). "*Enzyme Immunoassays Tests for Screening Toxigenic Clostridium Difficile: a Meta-analysis Study using Non-golden Reference Tests*". 8th International Meeting Statistical Methods in Biopharmacy, França.

Martins, J. (presenter), **Santos, R.** & **Felgueiras, M.** (2017). "*Glutamate Dehydrogenase Enzyme Immunoassays: a Meta-analysis with a Bayesian Approach*". 17th CMMSE, Spain.

Neves, C. (2017). *“The Block Maxima Method in Extremum Estimation”* (joint work with C. Jeffree, University of Reading). 10th International Conference on Extreme Value Analysis, Delft University of Technology (TU Delft), The Netherlands, June 26-30. Abstract available at: *Book of Abstracts: EVA 2017*, p. 59.

<http://www.eva2017.nl/resources/book-of-abstracts.pdf>

Neves, C. (2017). *“The Block Maxima Method in Extremum Estimation”* (joint work with C. Jeffree, University of Reading). EVAN 2017 – Advances in Extreme Value Analysis and Application to Natural Hazards, Southampton UK, September 5-7.

Oedekoven, C.S., **Marques, T.A.**, Harris, D., Thomas, L., Thode, A.M., Blackwell, S.B., Conrad, A.S. & Kim, K.H. (2017). *“Comparing Methods for Estimating Abundance from Passive Acoustic Monitoring Data using the Example of Bowhead Whales”*. Poster presented at The 22nd Biennial Conference on the Biology of Marine Mammals, Halifax, Canada.

Oedekoven, C.S., **Marques, T.A.**, Harris, D., Thomas, L., Thode, A., Blackwell, S., Conrad, A., & Kim, K., (2017). *“Comparing Methods for Estimating Abundance from Passive Acoustic Monitoring Data using the Example of Bowhead Whales”*. NCSE 2017 Summer Meeting, Kent, UK.

Oliveira, A. and **Oliveira, T.A.** (2017). *“Revisiting Control Charts for Attributes Applied on e-learning Classes Monitoring”*. In STS068 (Special Thematic Session) entitled Challenges in Experimental Design and Statistical Quality Control. 61st World Statistics Congress, Marrakech, Morocco, July 16-21, 2017. <http://payment.isi2017.org/>

Oliveira, T.A., **Oliveira, A.** (2017). *“New Challenges on BIBD and Related Designs: Exploring R and R-Studio”*. In STS068 (Special Thematic Session) entitled Challenges in Experimental Design and Statistical Quality Control. 61st World Statistics Congress, Marrakech, Morocco, July 16-21, 2017. <http://payment.isi2017.org/>

Pereira, J.L., Morais, C., Mendes, M. and **Oliveira, T.A.** (2017). *“Comparison of the Count Regression Models in Evaluation of the Effects of Periodontal Risk Factors on the Number of Teeth”*. Organized Session S6, entitled Statistical Modelling and Data Analysis. 11th Workshop on Statistics, Mathematics and Computation (WSMC11), held in the IPP campus, Portalegre, July 11-12, 2017.

<http://conferencesstat.wixsite.com/wsmc11>

Pereira, J. **Silva, G.L.** and Issac, V. Poster: "Modelling zero inflated biomass from fisheries in the Lower Amazon River". X international, interdisciplinary conference on spatial statistics, geographical epidemiology and geographical aspects of public health (GEOMED2017), Porto - Portugal, September 7-9, 2017.

URL: <http://www.i3s.up.pt/geomed2017/> (Poster:Presenter Silva, G.L.)

Pereira, S. and **Turkman, K.F.** L. Correia, H. Rue (2017)_Spatio-temporal models for georeferenced unemployment data. 10th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2017), 16-19 December, London,

<http://cmstatistics.org/RegistrationsV2/CMStatistics2017/viewSubmission.php?in=1583&token=6s1n699rnqo8s3033s38287714485r91>

Pestana, D. (2017). "Mendel mixtures of genuine and fake p-values in meta analysis" (joint work with **M.F. Brilhante** and **S. Mendonça**). ERCIM WG on Computational and Methodological Statistics (CMStatistics 2017), London, UK, December 16-18. Abstract available in: Gil Gonzalez-Rodriguez and Marc Hofmann (eds.), CFE and CMStatistics 2017: programme and Abstracts, p. 126.

<http://cmstatistics.org/CMStatistics2017/docs/BoA%20CFE-CMStatistics%202017.pdf?20171128000219#page=144>

Pinto, I., **Papoila, A.L.** and Soto, K. (2017). Development of an accurate prognosis model in practice. 38th Annual Conference of the International Society for Clinical Biostatistics (ISCB), Vigo – Spain, 9 to 13 July 2017 (poster: Presenter Papoila, A.L.)

Pontes, J.F. (presenter), **Cordeiro, C.** and Grenha, A. (2017). "*Chitosan/dextran nanoparticles (CS/DS): Stability evaluation using Factorial Design*". 21st International Symposium on Microencapsulation, 27-29 September, Faro, Portugal.

Prata Gomes, D. (presenter) and **Neves, M.** (2017) "*Improving Extremal Index Blocks Estimators (through Resampling Procedures)*". EVA2017, The Netherlands, June 26-30.

Abstract available at: *Book of Abstracts: EVA 2017*, p. 31-32

<http://www.eva2017.nl/resources/book-of-abstracts.pdf>

Ramos, M.R. (presenter) & **Cordeiro, C.** (2017). "*Explore Ice Trend by Resampling*". 3rd IOCS meeting International Ocean Color Science 2017, 15-18 May 2017, Lisbon, Portugal. Abstract available at:

<http://iocs.ioccg.org/wp-content/uploads/2017/05/abstracts-iocs-2017-all-10may2017.pdf>

Ramos, M.R. (presenter) & **Cordeiro, C.** (2017). “*Sea Ice Index: Looking at the Trend*”. XI Workshop on Statistics, Mathematics and Computation, 11-12 July 2017, Portalegre, Portugal.

Ribeiro, C., Pereira, P. (2017) “Crime Spatio-Temporal Modelling”. Geomed 2017 - International conference on spatial statistics, spatial epidemiology and spatial aspects of public health, Porto (Portugal), de 7 a 9 de Setembro. (POSTER).

Rocha, J. Leonel (2017). “*Big Bang Bifurcations and Allee's Dynamics in Generic Population Size Functions*”, Eighth Workshop Dynamical Systems Applied to Biology and Natural Sciences, DSABNS 2017, Universidade de Évora, Évora, Portugal, January 31-February 3, 2017, (co-authorship of D. Fournier-Prunaret & Abdel-Kaddous Taha; INSA Toulouse).

Romagosa, M., Baumgartner, M., Lammers, M.O., **Marques, T.A.**, Santos, R.S. & Silva, M.S. (2017). “*Intra- and inter-annual Variation in Fin Whale Song Parameters from the North Atlantic Ocean*”. Poster presented at The 22nd Biennial Conference on the Biology of Marine Mammals, Halifax, Canada.

Silva, C., Pereira, M. and **Sousa, L.** (2017). Bypassing Correction for Multiple Tests in the Detection of Intragenic Initiation. An application of Marascuilo Method. 8th International Meeting Statistical Methods in Biopharmacy. Paris, France, September 14th-15th. <http://www.smb2017.fr/documents/program%20SFDS%202017.pdf> (poster)

Santos, R. (presenter), **Martins, J., Felgueiras, M.** & Ferreira, L. (2017). “Binary Classification Based on a Quantitative Variable—an Accuracy Comparison by Simulation”. 17th CMMSE, Espanha.

Seijas-Macias, J.A., Oliveira, A. and **Oliveira, T.A.** (2017). “*Skewness and Kurtosis of the Extended Skew-Normal Distribution*”. Organized Session S6, entitled Statistical Modelling and Data Analysis. 11th Workshop on Statistics, Mathematics and Computation (WSMC11), held in the IPP campus, Portalegre, July 11-12, 2017. <http://conferencessat.wixsite.com/wsmc11>

Sepúlveda, N., Ameijeiras-Alonso, J., Crujeiras, R., **Paulino, C.D.**, Drakeley, C. (2017). “Statistical approaches to antibody data analysis for populations on the path to malaria elimination”. 61st International Statistical Institute World Statistics Congress (ISI2017), Marrakesh - Morocco, July 16-2, 2017. URL: <http://payment.isi2017.org/>

Silva, G.L., Almendra, R. Santana, P. Vasconcelos, J. Gonçalves, F. and Ambrizzi, T. (2017). "Impact of atmospheric circulation patterns on hospital admissions due to circulatory and respiratory diseases in Lisbon". 61st International Statistical Institute World Statistics Congress (ISI2017), Marrakesh - Morocco, July 16-2, 2017. URL: <http://payment.isi2017.org/>

Torres VM, Feliciano A, **Antunes M**, Trenchevska O, Vaz F, Nedelkov D, Nelson R, Pinto P, Barbara C, Penque D (2017). "Proteoforms of transthyretin - candidate biomarkers in diagnosis of obstructive sleep apnea". 16th Human Proteome Organization (HUPO) World Congress, 17-21 September, Dublin, Ireland. 16th Human Proteome Organization (HUPO) World Congress, Dublin Ireland, 17-21 September, Dublin, Ireland. Poster D-166. (Poster)

National

Antunes Marília, Mariana Aparício, Joana Chora, Patricia Arguello, Tiago Matos, Maria Graça Fialho, Helena Caria. Padrões de Presbiacusia na População Portuguesa. XXIII Congresso da Sociedade Portuguesa de Estatística. Lisboa, 18 a 21 outubro 2017. (Poster)

Aparício Mariana, **Marília Antunes**, Joana Chora, Patricia Arguello, Tiago Matos, Maria Graça Fialho, Helena Caria. Influência de Fatores Demográficos e Ambientais na Evolução da Presbiacusia - um estudo na população portuguesa. XXIII Congresso da Sociedade Portuguesa de Estatística. Lisboa, 18 a 21 outubro 2017. (Poster)

Azevedo, S. (presenter), **Marques, T.A.**, **Sousa, L.** & Teixeira, L., "*Comparação de Diferentes Métodos de Análise de Sobrevivência na Avaliação do Impacto de Variantes da Bactéria Wolbachia na Sobrevivência de Moscas da Fruta*". XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 164-165.

Batuca Joana R, Marta C Amaral, Catarina Favas, Paul RJ Ames, **Ana L Papoila**, and José Delgado Alves (2017). Anticorpos contra diferentes componentes das lipoproteínas de elevada densidade (HDL) inibem as propriedades anti-aterogénicas das HDL. XXV Congresso Português de Aterosclerose, 27-28 outubro, Coimbra, Portugal.

Bernardes da Silva Anabela, Susana Silvestre, Jorge Marques da Silva, **Marília Antunes**, Ana Rita Matos, João Arrabaça, Délio Raimundo, Jorge Soares, Bárbara Rodrigues, Sandra Pires, Daniel Ribeiro, Carmo Martins, Miguel Leão de Sousa. Variação sazonal do conteúdo em fotoassimilados em folhas e frutos de pera 'Rocha'. 1º Congresso Luso-Brasileiro de Horticultura. Lisboa 1 a 4 Novembro 2017. (Poster)

Cabral, I. (presenter), Caeiro F. & **Gomes. M.I.**, "*Generalização do Estimador de Hill, baseada na Média de Lehmer: uma Nova Abordagem*". XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 127-128.

Cláudio, N. (presenter), Rodrigues, S., Mascarenhas, M., Mouriño, H. & **Marques, T.A.**, "*Classificação Automática de Sons de Morcegos*". XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 109-110.

Combadão, J. and **Sousa, L.** (2017). "Análise da expressão génica de adipócitos em indivíduos com síndrome metabólica por métodos estatísticos multivariados". XXIII Congresso Anual da Sociedade Portuguesa de Estatística, October 18-21, Lisboa, Portugal. POSTER; Presenter – **Sousa, L.**

Costa Ana Palricas, Luísa Branco, Rita Fleming, **Marília Antunes**, Mariana Viegas. Evidência da Prática Clínica de Terapia de Quelação de Ferro em Doentes com SMD Dependentes de Transfusão: Registo do Hospital de Santa Maria-Lisboa. Reunião Anual Sociedade Portuguesa de Hematologia 2017 16 a 18 de novembro de 2017. (Poster)

Figueiredo, F. (2017). "*A Likelihood-ratio Control Chart for Monitoring the Parameters of a Logistic Process*" (joint work with **M.I. Gomes** and A. Mukherjee). XXIV JOCLAD 2017, FEUP, Porto. Abstract available in: Figueiredo, A. et al. (eds.), XXIV Jornadas de Classificação e Análise de Dados (JOCLAD 2017)—*Livro de Resumos*, INE, 51-52. ISBN: 978-989-98955

Fragata, I., Alves, M., **Papoila, A.L.**, Nunes, A.P., Ferreira, P., Canto-Moreira, N. and Canhão, P.(2017). Papel do tensor difusão como preditor de isquémia cerebral tardia e prognóstico funcional na hemorragia subaracnoideia aguda. Apresentado no 11o Congresso Português do AVC, Porto – Portugal, 2 a 4 de fevereiro de 2017. (Poster)

Godinho, Ana Rita; **Rocha, Cristina**; Mendes, Zilda (2017) Comparação do modelo de Cox, modelos paramétricos e paramétricos flexíveis no estudo do tempo até à não persistência na terapêutica de uma doença crónica. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, 18-21 de Outubro 2017.

Gomes, M.I. (presenter) & Miranda, C., “*Médias Generalizadas na Estimação de Parâmetros de Acontecimentos Extremos em Estruturas Fracamente Dependentes*”. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp.

Jorge, P.A., Dolan, K., **Marques, T.A.**, Mouriño, H., Thomas, L. & Moretti, D.J., “*Propagating Model Uncertainty via Bootstrap on a Two Step Approach to Estimate Beaked Whale Density from Dive Counting Methods*”. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 139-140.

Madeira Tiago, Patrícia Marques, Graça Sobral, Luísa Gordo, **Marília Antunes** e Augusta Gama. Associação entre Estado Nutricional, Idade Menarca e Tensão Arterial. 18º Congresso Nacional de Pediatria – Sociedade Portuguesa de Pediatria. Porto, 25 a 27 de Outubro de 2017. (Poster)

Marques Patrícia, Tiago Madeira, Graça Sobral, Luísa Gordo, **Marília Antunes**, Augusta Gama. (2017) Relação da idade de menarca com o estado nutricional, o ciclo menstrual e a perceção da saúde. 18º Congresso Nacional de Pediatria – Sociedade Portuguesa de Pediatria. Porto, 25 a 27 de Outubro de 2017. (Poster)

Marques, T.A. (presenter), Dolan, K., Blackstock, S. & Thomas, L., “*Modelling Inter-animal Distances during Acoustically Active Portions of beaked Whale Groups Foraging Dives*”. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 93-94.

Marques, T.A., “*Estatística Ecológica: a Estatística ao Serviço da Ecologia*”. Encontro com a Ciência e a Tecnologia em Portugal, Lisboa, PT.

Mendonça, I., **Papoila, A.L.**, **Diamantino, F.** & Soto, K., “*Estimação da Creatinina Sérica Basal—uma Aplicação de modelos GAMLSS*”. XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 244-245. (Poster)

Mendonça, S. (2017). “Sobre a importância da distribuição de Pareto na modelação estatística: alguns resultados teóricos” (joint work with **D. Gouveia-Reis**). II Workshop Matemática na UMa - A Matemática e as Outras Ciências, as Outras Ciências e a Matemática. Universidade da Madeira, 12 de junho de 2017. Abstract available at: *Livro de Resumos*, ISBN 978-989-8805-17-1, p. 5. (URL: [http://matuma.uma.pt/wp-content/uploads/2017/06/Livro-de-Resumos -II-Workshop-MatUMa.pdf](http://matuma.uma.pt/wp-content/uploads/2017/06/Livro-de-Resumos-II-Workshop-MatUMa.pdf))

Mendonça, S. (2017). “A distribuição de Pareto e a modelação estatística: algumas ilustrações práticas” (joint work with **D. Gouveia-Reis**). II Workshop Matemática na UMa - A Matemática e as Outras Ciências, as Outras Ciências e a Matemática. Universidade da Madeira, 12 de junho de 2017. Abstract available at: *Livro de Resumos*, ISBN 978-989-8805-17-1, p. 6. (URL: <http://matuma.uma.pt/wp-content/uploads/2017/06/Livro-de-Resumos -II-Workshop-MatUMa.pdf>)

Mendonça, S. (presenter) & **Gouveia-Reis, D.**, “Sobre o Máximo e outras Estatísticas Ordinais de uma Amostra Aleatória quando a Dimensão da Amostra tem Distribuição Binomial Negativa”. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), *SPE 2017—Programa e Resumos*, ISCTE/IUL, p. 237.

Nicolau, P., Johnston, A. & **Marques, T.A.**, “Modelling Spatial Variation in Arrival and Breeding of Birds with Citizen Science Data”. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), *SPE 2017—Programa e Resumos*, ISCTE/IUL, p. 149.

Oliveira Sandra, Susana Leal, Carla Vivas, Cláudio Barradas, **São João. R.**, Nuno Jorge, João Nascimento, Maria Regina Ferreira, Aldo Passarinho, Cristina Santos, Marta Amaral, Ana Isabel Rodrigues. (2017) VOLTO JÁ: PROGRAMA DE INTERCÂMBIO SÉNIOR/I'II Be Right Back: Senior Exchange Program. WORKSHOP DE ARTIGOS CIENTÍFICOS E PROJETOS DA UI-IPS 2017 (7 de Junho de 2017).

Paulino, C.D. e Silva, G. (2017) Comparação bayesiana de testes de diagnóstico com dados densamente omissos ao acaso. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, 18-21 de Outubro 2017.

Pereira, J.C., **Silva, G.**, Isaac, V.J. (2017) Modelagem de capturas em peso influenciadas de zeros no Baixo Rio Amazonas. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, 18-21 de Outubro 2017.

Pereira, S., Turkman, K. F.; Correia, Luís; Rue, Haavard (2017) Análise do desemprego a partir de dados georreferenciados – uma abordagem espaço-temporal. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, 18-21 de Outubro 2017.

Pestana, D. (presenter), **Brilhante, F., Gomes, M.I.** & Rocha, L., “*O Charme Discreto da Burguesia da Uniforme e suas Amigas*”. XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp.

Ramos, S., Turkman, A., Antunes, M. (2017) Modelos bayesianos não paramétricos em triagem. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, 18-21 de Outubro 2017.

Ribeiro, C., Pereira, P. (2017) Modelos Bayesianos Espaço-Temporais Aplicados ao Estudo da Criminalidade em Portugal. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, 18-21 de Outubro 2017.

Rocha, C. (2017). “*The van der Waerden Control Chart for Monitoring the Location*” (joint work with **F. Figueiredo**, A. Figueiredo and S. Chakraborti). XXIV JOCLAD 2017, FEUP, Porto. Abstract available in: Figueiredo, A. et al. (eds.), XXIV *Jornadas de Classificação e Análise de Dados (JOCLAD 2017)*—*Livro de Resumos*, INE, 119-120. ISBN: 978-989-98955

Rocha, C., Figueiredo, F. (presenter), Figueiredo, A. & Chakraborti, S., “*Carta de van der Waerden para Monitorização da Localização com Regras de Runs*”. XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 187-188.

Santos, R. (presenter), **Felgueiras, M., Martins, J.P.** & Ferreira, L., “*Área Integral versus Área Parcial sob a Curva ROC*”. XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 238-239.

Santos, R., Ferreira, L., and Ribeiro, H. (2017) “*Probabilidades, Probabilidades Condicionadas e Análises Clínicas*”. Poster presented at: Conferência Internacional de Investigação, Práticas e Contextos em Educação, Leiria.

São João, R., Teresa Coelho, Carla Sofia Ferreira, Ana Mendes Castelo, Maria Teresa Massano (2017) Estigma doença mental: estudo observacional e piloto em Portugal. Workshop de Artigos Científicos e Projetos da UI-IPS 2017 (7 de Junho de 2017)

São João R., Carla Ferreira, Teresa Coelho, Ana Castelo, Maria Massano. (2017) Estigma na Doença Mental: Uma Abordagem Não Paramétrica. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, Portugal, 18 a 21 de outubro. <http://spe2017.iscte-iul.pt/> (Poster)

Silva, C. e Barata, M. J. (2017). Metodologia ROC na avaliação da biometria ótica na deteção de alterações da espessura macular em candidatos a cirurgia de catarata. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, Portugal, 18 a 21 de outubro. <http://spe2017.iscte-iul.pt/> (Poster)

Simões, P. (presenter), **Aleixo, S.M.**, Gomes, S. and Natário, I. “*Spatial Econometrics Modeling of the Saúde24 Line Calls*”, XXIV Jornadas de Classificação e Análise de Dados (Joclad2017), Porto, Portugal, April 20-22.

Simões, P. (presenter), **Aleixo, S.M.**, Gomes, S. and Natário, I. “Spatio-temporal Modelling of the Number of Calls to Saúde24 Line to assess Hospital Savings”, GEOMED 2017 – International Conference on Spatial Statistics, Spatial Epidemiology & Spatial Aspects of Public Health, Porto, Portugal, September 7-9.

Soares, C. (2017). “*Influence of the Subprime Crisis on Public sector in European Countries in the Period 2002-2011*” (joint work with A. Figueiredo and **F. Figueiredo**). XXIV JOCLAD 2017, FEUP, Porto. Abstract available in: Figueiredo, A. et al. (eds.), XXIV Jornadas de Classificação e Análise de Dados (JOCLAD 2017)—*Livro de Resumos*, INE, 135-136. ISBN: 978-989-98955

Sousa, R. (presenter), **Santos, R., Felgueiras, M. & Martins, J.P.**, “*Comparação de Metodologias de Classificação baseadas em testes Compostos utilizando a Curva ROC*”. XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 87-88.

Sousa B., J. Canhoto, A. Grilo, **C. Silva**, A. Ferreira, M. Caetano, V. Fonseca, M. Carapinha. (2017). Occupational Exposure to Ionizing Radiations: Knowledges, Attitudes and Practices of Health Students. *Proteção Radiológica na Saúde*, Lisboa, Portugal, 27 a 29 de setembro. <http://www.ctn.tecnico.ulisboa.pt/prs2017/objectivos.html>. (Poster)

Sousa-Ferreira, I., Abreu, A.M., **Rocha, C.** (2017) Modelos de Sobrevivência aplicados à Análise de Acontecimentos Múltiplos. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, 18-21 de Outubro 2017.

Tiago, P. (presenter), Ceia-Hasse, A., **Marques, T.A.**, Capinha, C., Pereira, S. & Pereira, H.M., “*Avaliação da Distribuição Espacial do Número de Registos por Grupo Taxonómico: Potencias Problemas de Representatividade de Registos de Ciência Cidadã*”. XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE, Lisboa, Portugal, October 18-21. Abstract available in Salgueiro, M.F. & Vicente, P. (eds.), SPE 2017—*Programa e Resumos*, ISCTE/IUL, pp. 91-92.

MASTER DISSERTATIONS

Antunes, M. (supervisor): Mariana Martins Epifânio Frazão Aparício. “Presbycusis patterns in the Portuguese population Identification and association with epidemiological and genetic factors”. Mestrado em Bioestatística, FCUL, : 10 março 2017. (co-supervisor: Helena Caria).

Antunes, M. (supervisor): Ana Raquel Duque Gonçalves Fernandes. “Identificação de padrões alimentares na dieta de doentes com Degenerescência Macular Relacionada com a Idade”. Mestrado em Bioestatística, FCUL 12 September 2017. (co-supervisor: Sandrina Nunes).

Antunes, M. (supervisor): Ana Isa Veríssimo Neves. “Construção de uma Tarifa de Responsabilidade Civil Automóvel”. Mestrado em Matemática Aplicada à Economia e à Gestão. FCUL, 7 November 2017.

Carmo-Fonseca, M. and **Sousa, L.** (supervisors): Kenny Patrick Figueira Rebelo, "Analysis of gene expression in adipocytes of individuals with metabolic syndrome by multivariate statistical methods", Mestrado em Bioinformática e Biologia Computacional, FCUL, 8th June 2017.

De Zea Bermudez (supervisor): André Sintra “Métodos para Estimação dos Parâmetros da Distribuição de Pareto Generalizada: novas contribuições, MSc thesis in Statistics and Operations Research (November 2017).

De Zea Bermudez (supervisor): Venda, C. “Análise da presença de variáveis mediadoras”, MSc thesis in Biostatistics (joint with Luzia Gonçalves, IHMT)

Falcão, A. and **Sousa, L.** (supervisors): Katarzyna Malgorzata Kwiatkowska, "Implementation of an hybrid machine learning methodology for pharmacological modeling", Mestrado em Bioinformática e Biologia Computacional. Submitted Sept. 1017.

Gonçalves de Sá, J. and **Sousa, L.** (supervisors): Cláudio Haupt Vieira, "Online behavioral patterns in a health crisis setting: the 2009 pandemic", Mestrado em Bioinformática e Biologia Computacional. Submitted Sept. 1017.

Oliveira, T.A. (supervisor): Ana Mafalda Teixeira Costa, "*Análise e Avaliação do Risco por Aplicação do Método de Monte Carlo*". Mestrado em Estatística, Matemática e Computação - ramo de Estatística Computacional. Classificação da prova pública: 18 valores.

Oliveira, T.A. (supervisor): Diego Troiteiro Iglesias, "*Árboles de Regresión: Estructura y Aplicaciones*". Máster Universitario en Matemáticas Avanzadas de la UNED, Especialidad Estadística e Investigación Operativa. Universidad Nacional de Educación a Distância - Facultad de Ciencias, Madrid, Espanha. Classificação: Sobressaliente (10/10).

Oliveira, T.A. (supervisor): João Pedro Bento Clemente da Silva, "*Modelos de Regressão Linear e Logística utilizando o software R*". Mestrado em Estatística, Matemática e Computação - ramo de Estatística Computacional, Universidade Aberta. Classificação da prova pública: 19 valores.

Oliveira, T.A. (supervisor): José Eduardo Lima e Veiga Ferraz Martins, "*Planos em Blocos Incompletos Equilibrados e Aplicações na Educação*". Mestrado em Estatística, Matemática e Computação—ramo de Estatística Computacional. Classificação da prova pública: 19 valores

Oliveira, T.A. and E. Henning (supervisors): Ulises Jacinto Aguayo Garridona (2017). *Contribuições para o Ensino de Estatística para Cursos de Graduação: um caderno didático para o ensino de Intervalos de Confiança aplicando sala de aula*. Dissertação de Mestrado em Ensino de Ciências, Matemática e Tecnologias - Universidade do Estado de Santa Catarina (UDESC), Joinville, Brasil.

Palmela Pereira, C. and **Santos, R.** (supervisors): Sara Gonçalves, "*Classificação Médico-Legal do Género através da Avaliação de Fotografias Intraorais numa População Portuguesa*", Mestrado Integrado, Medicina Dentária, Faculdade de Medicina Dentária da Universidade de Lisboa. Supervisors: Classificação: 18/20.

Palmela Pereira, C. and **Santos, R.** (supervisors): Sónia Andorinha (2017). *Determinação Médico-legal da Identidade de Cadáveres não Documentados: Análise radiográfica de ortopantomografias e telerradiografias por sobreposição dos seios nasais, frontais e maxilares numa População Portuguesa*, Mestrado Integrado,

Medicina Dentária, Faculdade de Medicina Dentária da Universidade de Lisboa.
Classificação: 19/20.

Ramos, S. (supervisor): Análise de Fiabilidade e Melhoria do Processo de Fabrico. Caso de estudo numa fábrica de componentes para automóveis”. Mestrado em Engenharia Mecânica, ramo Gestão Industrial.

Sepúlveda, N. (Supervisor): Steven Tate. “Statistical approaches to analysing serological outcomes in malaria elimination settings”. M.Sc. in Medical Statistics, London School of Hygiene & Tropical Medicine, Reino Unido.

Sepúlveda, N. (Supervisor): Philip Drennan. “Immune profiling of Malaria using protein microarrays”. M.Sc. in Medical Statistics, London School of Hygiene & Tropical Medicine, Reino Unido.

Sousa, L. (supervisor): Jaime Manuel Pinto Combadão, "Analysis of gene expression in adipocytes of individuals with metabolic syndrome by multivariate statistical methods", Mestrado em Bioestatística, FCUL, March 2017.

Danica Greetham (lead), **C. Neves** and Dr Maciej Fila, Industrial Partner (Scottish Southern Electricity –SSE): Maria Jacob, “*Modelling Scedasis in Electricity Load Profiles*”. Mathematics of Planet Earth – Centre for Doctoral Training, University of Reading.

PH.D. THESES

Gonçalves, L. (co-supervisor): Zélia Santos, “Morfologia da Cidade e as influências na Saúde Pública”, PhD in International Health, speciality of Health Policies and Development, Instituto de Higiene e Medicina Tropical - Universidade Nova de Lisboa (supervisor: Miguel Amado, IST-UL).

Neves, M.M., Gomes, M.I. and S. Nunes (supervisors): Penalva, Helena, “*Contributos Computacionais e Metodológicos na Estimação de Valores Extremos*”. Programa doutoral em Matemática e Estatística do Instituto Superior de Agronomia da Universidade de Lisboa.

Papoila, A.L. (co-supervisor): Joana Patrícia Tavares Ferreira, “Retinopatia Diabética: uma doença neurodegenerativa antes de uma doença vascular?” Tese de Doutoramento em Medicina na Especialidade de Oftalmologia, na Faculdade de Ciências Médicas da Universidade Nova de Lisboa, Supervisor: Luís Abegão Pinto.

Papoila, A.L. (supervisor): Carlos José Bravo Geraldés, “Aplicação das redes neuronais aditivas generalizadas à Medicina” Tese de Doutoramento em Saúde das Populações na Especialidade em Bioestatística, na Faculdade de Ciências Médicas da Universidade Nova de Lisboa, Co-supervisor: Patrícia Xufre.

Paulino, C.D. (co-supervisor): Eliardo Costa, “Tamanho amostral para estimar a concentração de organismos em água de lastro: uma abordagem bayesiana”. Doutoramento em Estatística, Instituto de Matemática e Estatística, Universidade de São Paulo. March 17th, 2017.

Sousa, L. (co-supervisor): Cristina Vieira, “Validação do diagnóstico de enfermagem impaired walking (00088) em idosos”. IX Doutoramento em Enfermagem, Universidade Católica Portuguesa. November 2017. Supervisor: Sílvia Caldeira.

PROJECTS RUNNING IN 2017

Amaral Turkman, M.A & Turkman, K.F. (CEAUL team members)_Fire in the Rural-Urban Interface: characterization, risk mapping, and fuel break design, PTDC/AGR-FOR/2586/2014. Team. Coordinator JMC Pereira; K F Turkman is responsible for the task responsible for Probabilistic models for fire risk in the RUI

Cadima, J. (CEAUL team member) OpenSpat, Open Tools for Analysis of Spatial Data in Life Sciences, Projecto Erasmus+ 2015-1-BE01-KA204-013222; Beginning: October 2015; duration: 36 months; Entities: Université de Liège (coord), Supagro-Montpellier, and Instituto Superior de Agronomia

Cordeiro, C. (CEAUL team member) — EIT Health Funded project - JIGSAW-E (project number 16016), Start date: October 2016, Current end date: December 2017 (we are currently putting together the continuation plan for the project in 2018— if funded by EIT Health, the project will finish at Dec. 2018).

<https://www.keele.ac.uk/pchs/implementingourresearch/makinganimpact/osteoarthritisandosteoporosis/jigsaw-e/>

Gomes, M.I. (CEAUL member of the Managing Committee)—COST (European Cooperation in Science and Technology) Action IC1408, 2014-2018: "*Computationally-intensive Methods for the Robust Analysis of Non-standard Data*", April 2015-April 2018. Chair: Ana Colubi, Co-chair: Erricos Kontoghiorghes. Information available at: http://www.cost.eu/COST_Actions/ict/IC1408

Gomes, M.I. & M.M. Neves — Members of the Committee funded by ANR (Agence Nationale de Recherche) and designed for the preparation of an H2020 Project on “Rare and Extreme Events in Climatology”, 2014-2017.

Gonçalves, L. (2016 – Present) CEAUL Team member - "Dengue prevention using genetically modified mosquitoes –current facts, literacy and public opinions" (PTDC/IVC-ESCT/2486/2014). Funding agency: Fundação para a Ciência e Tecnologia

Oliveira, T.A. — Membro do Projeto: *Soluções Tecnológicas para a Adequação da Paisagem Rural ao Código Florestal Brasileiro*. Sigla: SOLCOF; *Technologies solutions for implementing the new Brazilian Environmental Law*. Programa de Financiamento / Entidade Financiadora: Departamento de Transferencia de Tecnologia Código:SEG: 05.13.25.008.00.00, Data de Início: 2014/05/01, Data de Fim: 2018/04/30. Orçamento Total / UAb: 1.277.100,00 (reais)/ 0

<https://www.infoteca.cnptia.embrapa.br/infoteca/bitstream/doc/1016666/1/FolderSe mentes.pdf>

Palmela Pereira, C., Vargas de Sousa Santos, R.F. (2017). Orientadora da aluna Maria de Pádua no âmbito do Projecto “Análise da estimativa de idade em indivíduos com Síndrome de Down utilizando a metodologia London Atlas” com a bolsa de intercâmbio “*Bolsa Empreendedorismo e Inovação da Universidade de São Paulo*”, edital 665/17. Em Portugal com Data de início: dezembro de 2017, Data de fim: fevereiro de 2018

Ribeiro, C. (2016-2018) CEAUL Team Member of the Erasmus Project "MILAGE: Interactive Mathematics by implementing a Blended-Learning model with Augmented Reality and Game books, Erasmus Project, 2015-1-PT01-KA201-012921, 1/09/2015 to 31/08/2018, Countries: Portugal, Spain, Norway and Turkey, coordinator: University of Algarve

São João, R. (2017) CEAUL Team member: Indicadores de Saúde do Concelho de Santarém - Unidade de Monitorização de Indicadores em Saúde (UMIS). Coordinator: Teresa Coelho. http://umis.ipsantarem.pt/?page_id=651

São João, R. (2017) CEAUL Team member: INcluir – Oficinas para todos e para cada um - Unidade de Investigação do Instituto Politécnico de Santarém (UIIPS). <http://www.hds.min-saude.pt/index.php/2016/11/16/incluir-oficinas-para-todos-e-para-cada-um/>

Sepúlveda, N.: Portuguese representative in the COST action: ‘European Network on Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (EUROMENE)’ (ref: CA1511). http://www.cost.eu/COST_Actions/ca/CA15111?management

Sousa, L. (CEAUL team member) SmiLax - “Semantic Mining with Linked Data”, project funded by FCT, ref: PTDC/EEI-ESS/4633/2014 (01/07/2016 - 30/06/2019), PI: Cátia Pesquisa (DI-FCUL).

ORGANIZATION OF CONFERENCES, SEMINARS AND INVITED SESSIONS

Organized directly by members of CEAUL

(<http://www.ceaul.fc.ul.pt/cs.html>)

CONFERENCES

Titulo	Local	Data
Symposium on Big Data in Finance, Retail and Commerce - Statistical and Computational Challenges	Jupiter Lisboa Hotel - LISBOA	2-Nov-2017 3-Nov-2017
Satellite Meeting ISI-CRA (in honour of Professor David Banks) and 11th Workshop on Statistics, Mathematics and Computation (XI WSMC)	Lisbon and Polytechnic Institute of Portalegre (IPP) - city of Portalegre - Portugal	10-Jul-2017 12-Jul-2017
7th International Conference on Risk Analysis (ICRA7) - Honour of Professor M. Ivete Gomes	Illinois University - Chicago, USA	3-Mai-2017 5-Mai-2017
WORKSHOP: "One-day Workshop on Survival Analysis" 2017	Fundação FCUL (Anfiteatro) - Bloco C1 Piso 3 (FCUL) - Campo Grande - Lisboa - 9:0h - 18:30h	27-Jan-2017

SEMINARS

Title	Speaker/Institution	Location	Date
<u>SEMINÁRIO: Education: a Challenge to Statistical Modelling</u>	Profª Luísa Canto e Castro Loura - Direcção-Geral de Estatísticas da Educação e Ciência, Portugal -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30- 14:30	6-Dec-2017
<u>SEMINÁRIO: The Bootstrap in Extreme Value Theory</u>	Prof. Alex J. Koning - Econometric Institute - Erasmus University Rotterdam -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.31- 14:30	4-Dec-2017
<u>SEMINÁRIO: Estimating the Maximum Possible Earthquake Magnitude Using Extreme Value Methodology</u>	Tom Reynkens - Research Centre Insurance - Leuven, Belgium -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30- 14:30	29-Nov-2017
<u>SEMINÁRIO (conjunto) CEAUL/Mestrado em Bioestatística: Statistical Methods in the Assessment of Fishery Stocks - an Application</u>	Profª Ivone Figueiredo - Instituto Português do Mar e Atmosfera e Prof. Nuno Brites - CIMA/Universidade de Évora -	FCUL - Campo Grande - Bloco C8 Piso2 - Sala: 8.2.19 - 16:30	8-Nov-2017
<u>SEMINÁRIO: Extended Classes of Distributions</u>	Prof. Gauss Cordeiro - Universidade Federal de Pernambuco - Brasil -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.31- 10:00	30-Oct-2017
<u>SEMINÁRIO (conjunto) CEAUL/Mestrado em Bioestatística: O Controlo da Tuberculose em Portugal: "Space Matters"!</u>	Profª Carla Nunes - Escola Nacional de Saúde Pública, UNL -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 16:00	25-Oct-2017
<u>SEMINÁRIO: Penalized Bias Reduction in Extreme Value Estimation under Censoring</u>	Prof. Jan Beirlant - Catholic University of Leuven - Belgium -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.31- 14:30	23-Oct-2017
<u>SEMINÁRIO (conjunto) CEAUL/Mestrado em Bioestatística: A Power Series Beta Weibull Regression Model for Predicting Breast Carcinoma</u>	Prof. Gauss Cordeiro - Universidade Federal de Pernambuco - Brasil -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 16:00	11-Oct-2017

SEMINÁRIO: Nonstationarity and Uncertainty of Extreme Hydrological Events	Prof. Artur Tiago Silva - CERIS, Instituto Superior Técnico, Universidade de Lisboa -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30- 14:30	4-Oct-2017
SEMINÁRIO: Modelling Zero Inflated Biomass from Fisheries in the Lower Amazon River	Prof. Júlio Pereira - Department of Environmental Science, Federal University of São Carlos - Brasil -	FCUL - Campo Grande - Bloco C6 Piso 2 - Sala: 6.4.31- 14:30	28-Jun-2017
SEMINÁRIO: Big Data Analytics: Applications and Challenges	Profª Sílvia Pedro Rebouças - Faculdade Economia, Administração, Atuária e Contabilidade - Universidade Federal do Ceará, Brasil -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 14:00	23-Jun-2017
SEMINÁRIOS: Robust Inference for ROC Regression	Profª Vanda Inácio de Carvalho - School of Mathematics, University of Edinburgh, UK -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.31 - 15:00	31-May-2017
SEMINÁRIO: Nature-Inspired Meta-heuristic Algorithms for Generating Optimal Experimental Designs	Prof. Weng Kee Wong - Department of Biostatistics - University of California/Los Angeles -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 14:30	28-Apr-2017
SEMINÁRIO: Generalized Linear Mixed Models for Binary Responses: Residual Analysis - Half-normal Probability Plot	Dr. Cleber Lack - Faculdade de Ciências - Universidade de Lisboa / Ministério da Defesa - Brasil -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 14:00	26-Apr-2017
SEMINÁRIOS: 1) Extreme Value Laws and Point Processes of Rare Events for Chaotic Dynamical Systems - 2) Complete Convergence of Rare Events Point Processes and Records with Clustering	1) Profª Ana Cristina Moreira Freitas - FEP and CMUP, Universidade do Porto - 2) Prof. Jorge Milhazes de Freitas - FCUP and CMUP, Universidade do Porto -	FCUL - Campo Grande - Bloco C6 Piso 2 - Sala: 6.2.50 - 14:00h - 16:30h	21-Apr-2017
SEMINÁRIO: Penalising Model Component Complexity: A Principled Practical Approach to Constructing Priors	Prof. Hävard Rue - King Abdullah University of Science and Technology, Saudi Arabia -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 15:00	16-Mar-2017

SEMINÁRIO: Optimal Reinsurance for Convex Premium Principles	Profa. Maria de Lourdes Centeno - CEMAPRE, ISEG - Universidade de Lisboa -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 14:30	6-Mar-2017
SEMINÁRIO: Maximum Likelihood and Probability Weighted Moment Estimators from Block Maxima and Peaks-over-Threshold Methods	Profa. Ana Ferreira - IST-CEMAT e CEUL -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 14:00	22-Feb-2017
SEMINÁRIO: Bonus-Malus Systems: A Brief Discussion of Some of the Problems	Prof. Rahim Mahmoudvand - Department of Statistics, Bu-Ali Sina University, Hamedain, Iran -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 14:00	15-Feb-2017
SEMINÁRIO: Big Data: Opportunities and Risks. An Application to Time Series Outlier Detection	Prof. Danil Peña - Dep.Estadística - Universidad Carlos III de Madrid -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 14:30	8-Feb-2017
SEMINÁRIO: Parameter Inference and Model Selection in Deterministic and Stochastic Dynamical Models	Profa. Jennifer Hoeting - Department of Statistics - Colorado State University -	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 14:30	11-Jan-2017

Invited sessions organized directly by CEUL members

Canto e Castro, L. (Organizer and Chair). “*Estatística Oficiais*”. Invited Thematic Session in the XXIII Congresso da Sociedade Portuguesa de Estatística, 18-21 October, Lisboa, Portugal. Invited Speakers: Nuno Rodrigues (DGEEC), Eduardo Gois (INE) & Sónia Torres (INE)

Cordeiro, C. (Organizer and Chair). “*Previsão em Séries Temporais: Desafios & Aplicações*”. Invited Session in the XXIII Congresso da Sociedade Portuguesa de Estatística, 18-21 October, Lisboa, Portugal. Invited Speakers: **Manuela Neves** (Universidade de Lisboa and CEUL), Helena Mouriño (DEIO, Universidade de Lisboa and CEMAF-CIO)

Gomes, M.I. (Organizer and Chair). “*Extreme Value Theory and Risk Modeling*” (EO188). Invited Session to the 10th *International Conference of the ERCIM WG on Computational and Methodological Statistics* (CMStatistics 2017), London, UK, December 16-18. *Invited Speakers*: **M. Fátima Brilhante** (Universidade dos Açores, Portugal), Frederico Caeiro (Universidade Nova de Lisboa, Portugal), Alexandra Dias (University of York, UK), Stéphane Girard (Grenoble, France) and Isabel Serra (Barcelona, Spain).

Oliveira, T.A. (Co-organizer) (jointly with Amitava Mukherjee) . “*Statistical Modelling, Risk Analysis and Risk Assessment*”. Invited Session **IPS19** to the ISI Regional Statistics Conference 2017, Bali, Indonesia, March 22-24, 2017. *Invited Speakers*: **M. Ivette Gomes** (Universidade de Lisboa), **Teresa A. Oliveira** (Universidade Aberta), António Seijas-Macias (Universidade da Corunha) and Amitava Mukherjee (Xavier School of Management). <https://www.isi-rsc2017.org>

Oliveira, T.A. (Chair and Co-organizer) (jointly with Amitava Mukherjee) “*Advances in Statistical Process Control Schemes for Risk-Free Monitoring*”. Invited Session **IPS27** to the ISI Regional Statistics Conference 2017, Bali, Indonesia, March 22-24, 2017. *Invited Speakers*: **Amílcar Oliveira** (Universidade Aberta), Chong Zhi Lin and Min Xie. <https://www.isi-rsc2017.org>

Oliveira, T.A. (2017). (Chair and organizer) Session A: “*Statistical Models for Cancer Risk Analysis*”. ICRA-7, 7th International Conference on Risk Analysis in honour of Professor Maria Ivette Gomes, Chicago, IL USA, May 3-5, 2017. <https://conferencesstat.wixsite.com/icra7/icra-info>.

Oliveira, T.A. (Chair and Organizer) Session D: “*Risk Model in Bussines and Environmental Sciences*”. **ICRA-7**, 7th International Conference on Risk Analysis in honour of Professor Maria Ivette Gomes, Chicago, IL USA, May 3-5, 2017. <https://conferencesstat.wixsite.com/icra7/icra-info>.

Oliveira, T.A. (2017). (Co-Chair and Co-organizer) (Jointly with **Amílcar Oliveira**), Organized Session S6, entitled “*Statistical Modelling and Data Analysis*”. 11th Workshop on Statistics, Mathematics and Computation (WSMC11), IPP Campus, Portalegre, July 11-12 2017. <http://conferencesstat.wixsite.com/wsmc11>

Oliveira, T.A. (Organizer and Chair) IPS070 (Invited Paper Session) entitled “*Statistical Modelling and Risk Analysis*”, 61st World Statistics Congress, Marrakech, Morocco, July 16-21, 2017. <http://payment.isi2017.org/>

Oliveira, T.A. (Co-organizer, Co-Chair and Discussant) (jointly with **Amílcar Oliveira**) STS068 (Special Thematic Session) entitled “*Challenges in Experimental Design and Statistical Quality Control*”, 61st World Statistics Congress, Marrakech, Morocco, July 16-21, 2017. <http://payment.isi2017.org/>

Palmela Pereira, C. (Organizer and Chair). “*Ciências Forenses Alternativas*”. Invited Session to the 5th *International Meeting of Forensic Sciences and Criminal Behaviour*”, Almada, Egas Moniz, 6 de maio 2017. *Invited Speakers*: Rebelo M.T., Reboleira N., Carvalho P.

Silva, G.L. (2017) Biometry Thematic session organizer. XXIII Congresso da Sociedade Portuguesa de Estatística, Lisboa, 18-21 Outubro 2017

Scientific and Organizing Committees

Abreu, A., **Gouveia-Reis, D., Mendonça, S.,** and Sousa-Ferreira, I. (organizers). “*II Workshop Matemática na Uma—A Matemática e as Outras Ciências, as Outras Ciências e a Matemática*”. Universidade da Madeira, 12th June 2017 (website: <http://matuma.uma.pt/>).

Cadima, J. Membro da Comissão Científica das XXIV Jornadas de Classificação e Análise de Dados (JOCLAD2017), Faculdade de Engenharia da Universidade do Porto, 20-22 de Abril de 2017.

De Haan, L. Member of the Organizing Committee. EVA 2017 10th Extreme Value Analysis Conference, TU Delft – June 26-30, 2017. <http://www.eva2017.nl/>

Figueiredo, F., Oliveira, T.A. and **Oliveira, A.** (CEAUL Members of the Scientific Committee). *IV Workshop on Computational Data Analysis and Numerical Methods* (WCDANM), Beja Polytechnic Institute, Beja, Portugal. October 27, 2017. <http://www.wcdanm-beja17.uevora.pt/committee/>

Gomes, M.I. (Member of the Scientific Programme Committee, as ISI Vice-President), *ISI 2017: 61th World Statistics Congress*. Marrakech, Morocco, 16-21 July, 2017.

Gomes, M.I. & **Pestana, D.** (Members of the International Scientific Committee), *CHAOS 2017*, Barcelona Spain, May 30 May-June 2. Information available at: <http://www.cmsim.org/chaos2017.html>

Gomes, M.I. & Pestana, D. (Members of the Scientific Committee), SPMET (Sociedade Portuguesa de Metrologia) e RELACRE (Associação Nacional de Laboratórios Acreditados): 7^o Encontro Nacional, “*As Medições para os Transportes*”, November 17, 2017.

Gomes, M.I., Oliveira, A. & Oliveira, T.A. (Members of the Scientific Committee), ASMDA 2017: The 17th *Conference of the Applied Stochastic Models and Data Analysis International Society*, June 6-9, London, UK. Information available at: <http://www.asmda.es/committeesplenarytalks.html>

Gomes, M.I. & Oliveira, T.A. (Chairs of the Executive Committee), **Figueiredo, F., Gomes, M.I., Neves, M., Oliveira, A., Oliveira, T., Pestana, D. and Sousa, L.** (members of the Scientific Committee), Satellite Meeting ISI-CRA in honour of Professor David Banks, jointly with 10th *Workshop on Statistics, Mathematics and Computation*, Lisbon, July 10 and Portalegre, July 11-12, 2017.

Information available at: <http://conferencesstat.wixsite.com/wsmc11>

Gonçalves, L. Member of the Organizing Committee of Workshop Malaria transmission: current challenges and new tools in the elimination context, 30-31 October 2017, IHMT-UNL.

Neves, M.M., Martins, I. and Gonçalves, E. (Members of Organized Meetings) “*A Matemática, a Estatística e as Aplicações*”, Instituto Superior de Agronomia, Universidade de Lisboa, July, September and December, 2017.

Neves, M.M. (Member of the Scientific Committee) *XXIV Jornadas de Classificação e Análise de Dados*, April 20-22, 2017, Faculdade de Engenharia da Universidade do Porto.

Oliveira, T.A. (Chair and member of the Executive Committee), **Oliveira, T.A.** and **Oliveira, A.** (members of the Organizing Committee), **Figueiredo, F., Neves, M., Oliveira, A., Oliveira, T., Pestana, D. and Sousa, L.** (members of the Scientific Committee), 7th International Conference on Risk Analysis (ICRA7) in honour of Professor Maria Ivette Gomes, May 3-5, Chicago, USA, 2017. <https://conferencesstat.wixsite.com/icra7>

Oliveira, T.A. (Member of the Organizing Committee), ICNAAM2017, 15th International Conference of Numerical Analysis and Applied Mathematics, The MET Hotel, Thessaloniki, Greece, September 25-30, 2017. <http://icnaam.org/>

Oliveira, T.A. (Member of the Scientific Committee) International Workshop on Mathematical e-Learning. eMath 2017, Barcelona, July 13–14, 2017. http://cimanet.uoc.edu/emath2017/?page_id=78

Oliveira, T.A. and **Oliveira, A.** (Members of the Program Committee), 10th Mathematical & Statistical Modeling of Complex Systems Workshop, Chicago, IL USA, May 5-6, 2017.

<http://www.neiu.edu/academics/college-of-arts-and-sciences/sites/neiu.edu/academics/college-of-arts-and-sciences/files/documents/ajsleeva/The%2010th%20Mathematical%20and%20Statistical%20Modeling%20of%20Complex%20Systems%20Workshop%20Poster%20%282%29.pdf>

Oliveira, T.A. and **Oliveira, A.** (Members of the Scientific Committee), Ciem2017 – 7ª Conferência Ibérica para o Empreendedorismo, Axis Ofir Beach Resort Hotel, Esposende, Portugal, 8-9 junho 2017. <http://www.empreend.pt/ciem2017>

Oliveira, T.A. (Member of the Programme Committee), *Conference on Modern Methods in Insurance Pricing and Industrial Statistics*, Bu Ali Sina University, Hamedan, Iran, September 3-5, 2017.

<http://thiele.au.dk/events/conferences/2017/modernmethods/>

Palmela Pereira, C. (Member of the International Scientific Committee), *5th International Meeting on Forensic Science and Criminal Behaviour*, maio 2017.

Palmela Pereira, C. (Membro da Comissão Científica de Avaliação das apresentações em formato de poster), 31º Jornadas de Medicina Oral, FMDUL, Lisboa, maio 2017.

Papoila, A.L. (Member of the Scientific Committee): 38th Annual Conference of the International Society for Clinical Biostatistics, Organized by the ISCB – Vigo, 9 to 13 July 2017. Member of the Scientific Committee

Ramos, S. (Member of the Organizing Committee) Evento “BIG DATA - Mathematics in Industry 4.0” que decorreu no Instituto Superior de Engenharia do Porto a 2 de Junho de 2017. <http://bd2017.spm-pt.org>

Reis, P. (Organizer). 39ª Conferência AIM—“*European Academy for Industrial Management*” (<http://www.europe-aim.de/>), IPS-Instituto Politécnico de Setúbal, September 21-24, 2017, on “*The 4th Industrial Revolution Impact in Industrial Engineering & Management*”.

Silva, C. (Member of the Scientific Committee), Workshop in Statistical Applications of the 17th International Conference on Computational Science and its Applications. Trieste, Italy, July 3 – 6. <http://iccsa.org/>

Silva, C. (Membro da Comissão Organizadora). Reunião Internacional da Rede Académica das Ciências da Saúde da CPLP – rRACS, 2017. 17 de abril. Lisboa, Portugal. <http://racscplp.org/comissao-organizadora/>

Silva, G.L.: Member of the organizing committee, II Meeting of the Portuguese Biostatistics Network and Biometry Section of the Portuguese Statistical Society, Faculty of Science - University of Lisbon, Lisbon - Portugal, 6/01/2017.

Silva, G.L. (Chair of the scientific and organizing committees) **Sousa, L.** (organizing committee), Workshop on Survival Analysis (WSA2017), Faculty of Science - University of Lisbon, Lisbon - Portugal. 27/01/2017. URL: <http://survivalanalysis.weebly.com/>

Sousa, L. (member of the Organizing Committee) TURISMAT: O Papel das Ciências Matemáticas no Turismo Sustentável, 14 Dezembro, 2017.

Sousa, L. Encontro Ciência 2017, 3-5 July 2017 Organization of the CEAUL Session
Speakers: S Pereira, F Brilhante, T Marques

Turkman, K. F., (President of the Organizing Committee). **Sousa, L., De Zea Bermudez, P., Scotto, M. and Amaral Turkman, M. A.** (Organizing Committee) **Alves, F.A.** (Scientific Committee). “Symposium on Big Data in Finance Retail and Commerce – Statistical and Computational Challenges”, Lisbon, 02-03 November. Information available at: <http://symposiumbigdata2017.weebly.com/>

ADVANCED AND SPECIALIZED TRAINING

Organized by CEAUL (<http://www.ceaul.fc.ul.pt/ac.html>)

Title	Location	Date
Short Course on Spatial and Spatio-Temporal Bayesian Models with R	FCUL - Campo Grande - Bloco C6 Piso 4 - Sala: 6.4.30 - 9:30h - 18:00h	5-Jun-2017 6-Jun-2017
Short Course on Reinsurance: Actuarial and Statistical Aspects	Fundação FCUL (Anfiteatro) - Bloco C1 Piso 3 (FCUL) - Campo Grande - Lisboa - 9:0h -13:00h	6-Mar-2017 8-Mar-2017

Short Course on Geoadditive Regression with BayesX	Faculdade de Ciências da Universidade de Lisboa, Portugal	1-Fev-2017 2-Fev-2017
Minicurso em Análise de Sobrevivência	Fundação FCUL (Anfiteatro) - Bloco C1 Piso 3 (FCUL) - Campo Grande - Lisboa - 9:30h -18:00h	26-Jan-2017

Lectured by members of CEAUL

Brilhante, M.F., *“Uma Introdução à Meta-Análise”*, October 19, 2017, XXIII Congresso da Sociedade Portuguesa de Estatística, ISCTE/IUL, Lisboa.

Diamantino, F., *“Probabilidade no Ensino Secundário”*, February 2017, Short course to the high school teachers, University of Lisbon, Faculty of Sciences.

Diamantino, F., *“Estatística no Ensino Secundário”*, March 2017, Short course to the high school teachers, University of Lisbon, Faculty of Sciences.

Gomes, M.I., *“Statistics of Extremes and Risk Evaluation using R”*, March 21, Short course at ISI-RSC 2017, *International Statistical Institute Regional Statistics Conference*, Bali, Indonesia.

Oliveira, A. and **Oliveira, T.A.**, *“Exploratory Data Analysis in Health Sciences Using R”*, May 6, 2017. Short course at 10th Mathematical & Statistical Modeling of Complex Systems Workshop, Chicago, IL USA. <https://www.neiu.edu/academics/college-of-arts-and-sciences/departments/mathematics/math-modeling-workshops>

Oliveira, T.A. and **Oliveira, A.**, *“Topics of Experimental Design in Health Sciences Using R”*, May 6, 2017. Short course at 10th Mathematical & Statistical Modeling of Complex Systems Workshop, Chicago, IL USA. <https://www.neiu.edu/academics/college-of-arts-and-sciences/departments/mathematics/math-modeling-workshops>

Palmela Pereira, C. *“Cadeia de Custódia de Amostras Biológicas”*, fevereiro 2017, Módulo de “Recolha de amostras biológicas em cena de crime” integrado na Pós-Graduação em Química Forense Translacional.

Papoila, A.L. : Formadora no curso Introductory Biostatistics for Biologists – IBSTAT17, GTPB (Gulbenkian Training Programme in Bioinformatics) do Instituto Gulbenkian de Ciência, em conjunto com Fernanda Diamantino, nos dias 11 a 15 de setembro, 40 horas (total).

Papoila, A. L. : Formadora no Mini-curso satélite Análise de Sobrevivência, do Workshop on Survival Analysis organizado pelo CEAUL, em conjunto com Cristina Rocha do DEIO/FCUL & CEAUL, realizado na Faculdade de Ciências no dia 26 de janeiro de 2017 (1h 30 min).

Silva, C. and **Sousa, L.** Advanced Biostatistics for Bioinformatics Tool Users using R. Gulbenkian Training Programme in Bioinformatics, Instituto Gulbenkian de Ciência, Oeiras, Portugal. 10-13 April. <http://gtpb.igc.gulbenkian.pt/bicourses/ABSTAT17/>

Courses: Organization

Fraga Alves, M. I. (Organizer with CEAUL). “*Short Course on Reinsurance: Actuarial and Statistical*”. Lectured by Hansjoerg Albrecher (University of Lausanne, Switzerland) and Jef Teugels (KU Leuven, Belgium) at CEAUL, Lisbon, Portugal, March 6-8, 2017. <http://ceaul-course-reins.weebly.com/>

Gonçalves, L. Member of the Organizing Committee and training of a short course: Modelação Estatística e Sistemas de Informação Geográfica na Análise e Predição Ambiental em Saúde, GHTM/IHMT-UNL, IGOT/CEG-UL and CEAUL-UL, 18-19 October 2017

Papoila, A.L. Course on Age-Period-Cohort models: Frequentist and Bayesian perspectives, Lecturer: Jon Wakefield, University of Washington – USA, 38th Annual Conference of the International Society for Clinical Biostatistics, organized by the ISCB, Vigo, 9 to 13 July 2017.

Sepúlveda, N.: Organizer of the short course on ‘Quantitative Biology & Statistics’ included in the Graduate Programme Science for Development (PGCD), University of Cabo Verde & Instituto Gulbenkian de Ciência, Cidade da Praia, Cabo Verde. 30/01/2017-03/02/2017. URL: <http://pages.igc.gulbenkian.pt/pgcd/en/about/pgcd>

Silva, G.L.: Organizer of the short course on "Geoadditive Regression with BayesX" by Thomas Kneib and Hauke Tahden - University of Gottingen - Germany, at CEAUL, Faculty of Science - University of Lisbon, Lisbon - Portugal. 1-2/02/2017. <http://ceaul-course-grbx.weebly.com/>

Silva, G.L.: Organizer of the short course on "Survival analysis" by Cristina Rocha - University of Lisbon - and Ana Luísa Papoila - New University of Lisbon, at CEAUL, Faculty of Science - University of Lisbon, Lisbon - Portugal. 26/01/2017. <http://survivalanalysis.weebly.com/short-course.html>

Silva, G.L.: Organizer of the short course on Short Course on “Spatial and Spatio-Temporal Bayesian Models with R”, lectured by Virgilio Gómez-Rubio, University of Castilla-La Mancha, Spain, at CEAUL Faculty of Science - University of Lisbon, Lisbon - Portugal. 5-6 June 2017. <http://ceaul-course-smr.weebly.com>

CONSULTANCY

Antunes, M. Consultant for Novartis Pharmaceuticals on statistical issues, under contract with FCiencias.ID.

Palmela Pereira, C. (Member inherited from University of Lisbon at the NIST-OSAC with vote permission – group Odontology, sub group Age Estimation). NIST-OSAC is a Governmental Organization of Scientific Area Committees for Forensic Science's Public Workspace from USA.

Palmela Pereira, C. (Member of the executive Board of IOFOS). IOFOS is international organization for forensic odontology, 2017/2020 in the quality of IOFOS member as a Delegate of Portugal.

Palmela Pereira, C. (Consultora Científica de Medicina Dentária Forense). Consultoria desenvolvida na Delegação do Sul INMLCF.

Palmela Pereira C. (Interpol Member of DVI team at the Forensic Odontology Group).

Papoila, A.L.: Consultancy at a Hospital Center in Lisbon integrating six hospitals (Centro Hospitalar de Lisboa Central).

Silva, C.: Consultora Estatística da Associação Portuguesa para o Desenvolvimento Hospitalar

REPORTS

Brás-Geraldes, C., Papoila, A. & Xufre, P. (2017). Generalized Additive Neural Network with Flexible Parametric Link Function—Model Estimation using Simulated and Real Clinical Data, CEAUL 02/17.

Drees, H., **de Haan, L.** and **Turkman, K.F.** (2017) Extreme Value Estimation for Discretely Sampled Continuous Processes. arXiv:1709.07031v1 (submitted)

Henriques-Rodrigues, L. and **Gomes, M.I.** (2017). Location invariant reduced-bias tail index estimation under a third-order framework, CEAUL 03/17.

Gomes, M.I., Caeiro, F., **Figueiredo, F.**, **Henriques-Rodrigues, L.** & **Pestana, D.** (2017). Corrected-Hill versus Partially Reduced-Bias Value-at-Risk Estimation, CEAUL 01/2017.

Pereira, S., **Turkman, K.F.**, Luis Correia, Haavard Rue (2017) Unemployment estimation: Spatial point referenced methods and models. arXiv:1706.08320v1 (submitted)