

CEAUL

PUBLICATIONS 2008-2012

(members of CEAUL underlined)

CHAPTER OF BOOKS INTERNATIONAL

2008

Gomes, M.I., Pestana, D., Henriques-Rodrigues, L. & Viseu, C. (2008). Tail Behaviour: an Empirical Study. In Arnold, B.C., Balakrishnan, N., Sarabia, J.M. & Mínguez, R. (eds.), *Advances in Mathematical and Statistical Modelling*, Chapter 14, 195-207, ISBN 978-0-8176-4625-7, Birkhouser, Boston.

Neves, C. & Fraga Alves, M.I. (2008). Ratio of Maximum to the Sum for Testing Super Heavy Tails. In Arnold, B.C., Balakrishnan, N., Sarabia, J.M. and Mínguez, R. (eds.), *Advances in Mathematical and Statistical Modeling*, Chapter 13, 181-194.

2009

Aleixo, Sandra M.; Rocha J. Leonel and Pestana, Dinis D. (2009), Populational Growth Models Proportional to Beta Densities with Allee Effect, In *Mathematical Models in Engineering, Biology and Medicine*, Cabada, A., Liz, E. and Nieto, J. (eds): American Inst. of Physics, ISBN-10 073540660X, ISBN-13 9780735406605, DOI 10.1063/1.3142952, vol. 1124, 3-12

D. G. Pereira, P. C. Rodrigues, A. Oliveira, J. T. Mexia (2009). Joint Regression Analysis and Completed Joint Regression Analysis. In *Plant Breeding* (F. Columbus Eds.) Nova Science Publishers, New York, 2009. ISBN: 978-1-61668-211-8

Sousa Ferreira, A. (2009). A Comparative Study on Discrete Discriminant Analysis through a Hierarchical Coupling Approach. In *Classification as a Tool for Research, Studies in Classification, Data Analysis, and Knowledge Organization*; Hermann Locarek-Junge, Claus Weihs (Eds.), Springer-Verlag, Berlin-Heidelberg, 137-145

2010

Caneco, A., J. Leonel Rocha, Clara Grácio and Sara Fernandes (2010) Some Conjectures about the Synchronizability and the Topology of Networks, In *Frontiers in the Study of Chaotic Dynamical Systems with Open Problems*, Elhadj, Z. and Sprott, J. C. (eds): World Scientific Series on Nonlinear Science, Series B, 2010, Cap. 7, 121-152.

Cordeiro, C., Machás, A. and Neves, M. (2010). A Case Study of a Customer Satisfaction Problem: Bootstrap and Imputation Techniques. *Handbook of Partial Least Squares Concepts, Methods and Applications in Marketing and Related Fields*. Esposito Vinzi, V.; Chin, W.W.; Henseler, J.; Wang, H. (Eds.) Series: Springer Handbooks of Computational Statistics. 279-288

Fraga Alves, M. I., Neves, Cláudia and Cormann, Ulf. (2010): Heavy and Super-Heavy Tail Analysis, In: Ch2 Section 2.7, pgs 75-101, of : *Laws of Small Numbers: Extremes and Rare Events*, by Michael Falk, Jürg Hüslér and Rolf-Dieter Reiß. Third Edition, Springer-Basel, December 2010, XVI, 509 p., ISBN: 978-3-0348-0008-2.

2011

Aleixo, S., Rocha, J. L., and Pestana, D. (2011). "Beta(p,q)-Cantor Sets: Determinism and Randomness". In C. H. Skiadas, I. Dimotikalis and C. Skiadas (Eds.), *Chaos Theory: Modeling, Simulation and Applications*, World Scientific Books, 333-340.

Aleixo, S., Rocha, J.L., and Pestana, D. (2011). "Probabilistic Methods in Dynamical Analysis: Population Growths Associated to Models Beta (p,q) with Allee Effect", in Peixoto, M. M; Pinto, A.A.; Rand, D. A. J. (Eds.), *Dynamics, Games and Science*, in honour of Maricio Peixoto and David Rand, vol II, Ch. 5, 79-95, Springer Verlag, New York.

Caneco, A., C. Grácio and J. L. Rocha (2011) "Symbolic Dynamics and Synchronization", In *Chaos Theory: Modeling, Simulation and Applications*, Skiadas, C. H., Dimotikalis, Y. and Skiadas, C. (Eds), World Scientific Publishing Co, 2011, 135-142.

Caneco, A., S. Fernandes, C. Grácio and J. L. Rocha (2011) "Networks Synchronizability, Local Dynamics and Some Graph Invariants, In *Dynamics, Games and Science*" I, Peixoto, M. M., Pinto, A. A. and Rand, D. A. (Eds): *Springer Proceedings in Mathematics 1*, Springer-Verlag Berlin Heidelberg, 2011, Vol. 1, Chap. 14, 221-238

Felisberto, F.; Felgueiras, M.; Domingues, P.; Fdez-Riverola, F.; Pereira, A. (2011). "Improving the Elder Care's Wireless Sensor Network Fall Detection System Using Logistic Regression". *Communications in Computer and Information Science*, Vol. 221. ENTERprise Information Systems, Part III, 317-326. Springer, Berlin.

Felisberto, F.; Felgueiras, M.; Seco, A.; Fdez-Riverola, F.; Pereira, A. (2011). "Application of Statistical Methods to Improve an Acceleration Based Algorithm". *Communications in Computer and Information Science*, Vol. 221. ENTERprise Information Systems, Part III, 327-336. Springer, Berlin

Napoleão Patrícia , Mafalda Selas, Cláudia Freixo, Catarina Ramos, Antónia Turkman, Valeska Andreozzi, Miguel Mota Carmo, Ana Maria Viegas-Crespo, Rui Cruz Ferreira, Teresa Pinheiro (2011) THE ROLE OF INFLAMMATORY BIOMARKERS IN THE ASSESSMENT OF CORONARY ARTERY DISEASE, In *Coronary Angiography - Advances in Noninvasive Imaging Approach for Evaluation of Coronary Artery Disease*. Edited by Prof. Baskot Branislav *Coronary Angiography*. Chapter 16, 281-314.

Pestana, D., Aleixo, S., and Rocha, J. L., (2011). "Regular variation, paretian distributions, and the interplay of light and heavy tails in the fractality of asymptotic models". In C. H. Skiadas, I. Dimotikalis and C. Skiadas (Eds.), *Chaos Theory: Modeling, Simulation and Applications*, World Scientific Books, 309-316.

Seco, A.; Felgueiras, M.; Fdez-Riverola, F.; Pereira, A. (2011). "Elder Care Alert Management – Decision Support by a Logistic Regression Model". *Advances in Intelligent and Soft Computing* Vol. 90. Trends in Practical Applications of Agents and Multiagent Systems, 9-16. Springer, Berlin.

Sepúlveda, N. and Carneiro, J. (2011). "Repertoire dynamics of peripheral regulatory and effector T cells competing for antigen presenting cells". In *Mathematical Models and Immune Cell Biology* (C. Molina-París and G. Lythe, eds.), p. 275-304, Springer Verlag, London.

2012

Oliveira, T.A., Oliveira, A. and Pérez-Bonilla, A. (2012). Data Mining and Quality in Service Industry: Review and some applications. In J. Faurlin, A. Juan, S. Grasman & M. Fry (eds.), *Decision Making under Uncertainty in the Service Industry*, CRC/Taylor & Francis, 83-107. ISBN 9781439867341.

Trenholm, S., Juan, A.A., Simosa, J., Oliveira, A. and Oliveira, T.A. (2012). Long-Term Experiences in Mathematics E-Learning in Europe and the US: A Comparative Study Regarding Differing Higher-Education Models. Invited Chapter Book in IGI Global Publisher -Math-E-Learning: *Teaching Mathematics Online: Emergent Technologies and Methodologies*, 238-258.

Turkman, K.F (2012). Discrete-Continuous Time Extremes of Stationary Processes, p 565-582. *Handbook of statistics-vol 30, 2012.Time Series-Methods and Applications*. Ed. C.R.Rao and SubbaRao, Elsevier-North Holland.

ENCYCLOPEDIA ENTRIES

2008

Ferreira, A. (2008) Extreme Values in Reliability in *Encyclopedia of Quantitative Risk Assessment and Analysis*, Melnick, E., and Everitt, B. (eds). John Wiley & Sons, Ltd, Chichester, UK, pp 686-691.

2011

Fraga Alves, M.I. & C. Neves (2011). "Extreme Value Distributions". In Lovric, M. (ed.), *International Encyclopedia of Statistical Science*, 493-496 Springer-Verlag.

Gomes, M.I. (2011). "Statistical Process Control". In Lovric, M. (ed.), *International Encyclopedia of Statistical Science*, Springer-Verlag, Part 19, 1459-1463.

Gomes, M.I. (2011). "Acceptance Sampling". In Lovric, M. (ed.), *International Encyclopedia of Statistical Science*, Springer-Verlag, Part 1, 5-7.

Margues, T. A., Buckland, S. T., Borchers, D. L., Rexstad, E. & Thomas, L. (2011), "Distance Sampling", In Lovric, M. (ed.), *International Encyclopedia of Statistical Science*, Springer-Verlag, 398-400.

Pestana, D. (2011). "Combining p-values". In Lovric, M. (ed.), *International Encyclopedia of Statistical Science*, Springer-Verlag, Part 1, 1145-1147.

2012

Margues, T.A., Buckland, S.T., Borchers, D.L., Rexstad, E. and Thomas, L. (2012). Conventional Distance Sampling (version 1). *StatProb: The Encyclopedia Sponsored by Statistics and Probability Societies*. Freely available at <http://statprob.com/encyclopedia/ConventionalDistanceSampling.html>

BOOKS (EDITOR) INTERNATIONAL

2008

Beirlant, Jan, Fraga Alves, Isabel e Leadbetter, Ross. (2008) Special issue on "Statistics of Extremes and Related Fields, REVSTAT - Statistical Journal, Volume 6, Number 1.

Oliveira, T.A., Mejza, S. (2008): Third Workshop on Statistics, Mathematics and Computation, First Portuguese-Polish Workshop on Biometry – Book of Abstracts, Universidade Aberta Ed. 2008, ISBN: 978-972-674-541-9.

2009

Agra Coelho, C. and Pestana, D. (2009). Guest editors of the special issue of *Discussiones Mathematicae Probability and Statistics* **29:2**.

Oliveira, T.A., Oliveira, A. (2009). Fourth Workshop on Statistics, Mathematics and Computation, Book of Abstracts, Universidade Aberta

2010

Agra Coelho, C. and Pestana, D. (2010). Guest editors of the special issue of *Discussiones Mathematicae Probability and Statistics* **30:1**.

Antunes, M., Andreozzi, V., Sousa, L., Gonçalves, L. (Editores) (2010) *StaM2010 - Statistical Modelling: Challenges in Health* - Book of Abstracts. Centro de Estatística e Aplicações. (ISBN 978-989-8203-46-5).

2011

Fraga Alves, M.I., Gomes, M.I., de Haan, L. & C. Neves (2011). "Risk and Extreme Values in Insurance and Finance": *Book of Abstracts*. CEAUL Editions, ISBN: 978-989-8203-73-1 (x + 120 pages).

Oliveira, T.A., Castela, G., Oliveira, A., Grilo, L. & V. Vairinhos (2011). "*Book of Abstracts: 5th Workshop on Statistics, Mathematics and Computation*". ISBN: 978-972-9473-54-8. Instituto Politécnico de Tomar Editions.

Sousa, L., Andreozzi, V., Antunes, M. and Gonçalves, L. (2011) Special issue on "Statistical Modelling: Challenges in Health". *REVSTAT - Statistical Journal*, Volume 9, No. 1, March 2011

2012

Oliveira, T.A., Mejza, S., Ferreira, D., Oliveira, A. and Grilo, L. (2012). "*Book of Abstracts – 6th Workshop on Statistics, Mathematics and Computation & 3rd Portuguese-Polish Workshop on Biometry*", July 3-4, 2012, Covilhã, Portugal. ISBN: 978-972-9473-62-3, Depósito Legal: 345933/12, Published by Instituto Politécnico de Tomar, 112 pages.

PUBLICATIONS INTERNATIONAL

2008

Acioli-Santos,B., Sebastiana,M., Pessoa,F., Sousa,L., Figueiredo,A., Fortes,A.M., Baldé,A.,Maia,L.C. and Pais,M.S. (2008). Fungal transcript pattern during the pre-infection stage (12h) of ectomycorrhiza formed between *Pisolithus tinctorius* and *Castanea sativa* roots, identified using cDNA microarrays. *Current Microbiology* 57: 620–625. (DOI:10.1007/s00284-008-9253-2)

Achcar, J. A., Martinez, E. Z., Ruffino-Netto, A., Paulino, C. D. and Soares, P. (2008). A statistical model investigating the prevalence of tuberculosis in New York City using counting processes with two change-points. *Epidemiology and Infection*, 136, 1599-1605

Amaral Santos, José A. and Neves, M. Manuela.(2008). A Local Maximum Likelihood Estimator for Poisson Regression. *Metrika*, 68: 257-270

Antunes, Marília and Sousa, Lisete. (2008) Bayesian Classification and Non-Bayesian Label Estimation via EM Algorithm to Identify Differentially Expressed Genes: a Comparative Study. *Biometrical Journal* 50, 5, 824-836. DOI: 10.1002/bimj.200710468

Beirlant, J., Figueiredo, F., Gomes, M.I. & Vandewalle, B. (2008). Improved reduced-bias tail index and quantile estimators. *J. Statist. Plann. and Inference* 138: 6, 1851-1870.

Brilhante, M.F. and Kotz, S. (2008). Infinite divisibility of the spacings of a Kotz-Kozubowski-Podgórski generalized Laplace model, *Statistics and Probability Letters*, 78, 2433-2436

Buishand, L. de Haan and C. Zhou (2008). On spatial extremes; with application to a rainfall problem. *Annals of Applied Statistics*, 2, 624-642

Caeiro, F. & Gomes, M.I. (2008). Minimum-variance reduced-bias tail index and high quantile estimation. *Revstat*, 6:1, 1-20

Caneco, Acilina., Rocha, J. Leonel and Grácio, Clara (2008), Symbolic Dynamics and Chaotic Synchronization in Coupled Duffing Oscillators, *Journal of Nonlinear Mathematical Physics*, 15, 3, 102-111

Duarte Silva, M. E., Carreira C., Ferreira, A. S. & Costa, C.(2008). Widowhood: The experience of loneliness and subjective well-being. *Journal of Experiential Psychotherapy of the Romanian Society for Experiential Psychotherapy*, 44, 46-50

Ferreira, M. & Canto e Castro, L. (2008). Tail and dependence behavior of levels that persist for a fixed period of time. *Extremes* 11;2, 113-133.

Figueiredo,A., Fortes,A.M., Ferreira,S., Sebastiana,M., Choi,Y.H., Sousa,L., Acioli-Santos,B., Pessoa,F., Verpoorte,R. and Pais,M.S. (2008). Transcriptional and metabolic profiling of grape (*Vitis vinifera* L.) leaves unravel possible innate resistance against pathogenic fungi. *Journal of Experimental Botany* 59(12): 3371– 3381.

Fonseca, MJM; Andreozzi, VL; Faerstein, E; Chor, D; Carvalho, MS. (2008) Alternatives in modeling of body mass index as a continuous response variable and relevance of residual analysis. *Cadernos de Saúde Pública*; 24(2):473-8

Fortes,A.M., Santos,F., Choi,H.Y., Silva,M.S., Figueiredo,A., Sousa,L., Pessoa,F., Santos,B.A., Sebastiana,M., Palme,K., Malho,R., Verpoorte,R. and Pais,M.S. (2008). Organogenic nodule development in hop (*Humulus lupulus* L.): transcript and metabolic responses. *BMC Genomics* 9:445.

Gil, S., Sepúlveda, N., Albina, E., Leitão, A., Martins, C. (2008). The low virulent African swine fever virus (ASFV/NH/P68) induces enhanced expression and production of relevant regulatory cytokines (IFN α , TNF α and IL12p40) on porcine macrophages in comparison to the highly virulent ASFV/L60. *Arch.Virol.* 153, 1845–1854.

Gomes, M.I., Fraga Alves, M.I. & Araújo Santos, P. (2008). PORT Hill and Moment Estimators for Heavy-Tailed Models. *Commun. Statist. — Simul. & Comput.* 37, 1281-1306.

Gomes, M.I., Canto e Castro, L., Fraga Alves, M.I. & Pestana, D. (2008). Statistics of extremes for iid data and breakthroughs in the estimation of the extreme value index: Laurens de Haan leading contributions. *Extremes* 11(1), 3-34

Gomes, M.I. & Henriques-Rodrigues, L. (2008). Tail index estimation for heavy tails: accommodation of bias in the excesses over a high threshold. *Extremes* 11(3), 303-328

Gomes, M. I., de Haan, L. and Henriques Rodrigues, L. (2008). Tail index estimation for heavy-tailed models: accommodation of bias in the weighted log-excesses. *J. Royal Statist. Soc. B*, 70, Issue1, 31-52.

Gomes, M. I., Rodrigues, L., Vandewalle, B. and Viseu, C. (2008). A Heuristic Adaptive Choice of the Threshold for Bias-Corrected Hill Estimators. *J. Statist. Comp. and Simul.*, Volume 78, Issue 2, 133-150

Gomes, M.I. & Neves, C. (2008). Asymptotic comparison of the mixed moment and classical extreme value index estimators. *Statistics and Probability Letters*, Vol 78:6, 643-653

Gomes, M.I., Hall, A. & Miranda, C. (2008). Subsampling techniques and the Jackknife methodology in the estimation of the extremal index. *J. Comput. Statist. and Data Analysis* 52:4, 2022-2041

Gonçalves, M. Helena and Azzalini, Adelchi (2008). Using Markov chains for marginal modelling of binary longitudinal data in an exact likelihood approach. *Metron-International Journal of Statistics*. vol. LXVI, nº 2, pp. 157-181

Gonçalves, L. and Amaral Turkman, MA (2008) Triangular and Trapezoidal Distributions: Applications in the Genome Analysis. *Journal of Statistical Theory and Practice*, vol2, p. 45-54

Haan, L. and Zhou, C. (2008). On extreme value analysis of a spatial process. *Revstat*, 6, 71-81

Haan, L., Neves, C. and Peng, L. (2008). Parametric tail copula estimation and model testing. *J. Multivariate Anal.* 99, 1260-1275

Lopes, C; Andreozzi, VL; Ramos, E; Carvalho, MS. (2008) Modelling over week patterns of alcohol consumption. *Alcohol and Alcoholism*;43(2):215-22

Martins, J., Mendonça, S. e Pestana, D. (2008). Optimal and quasi optimal designs. *REVSTAT – Statistical Journal*, Vol. 6, 279-307

Martins R, Morais A, Dias A, Soares I, Rolão C, Ducla-Soares JL, Braga L, Seixas T, Nunes B, Olim G, Romão L, Lavinha J, Faustino P (2008). Early modification of sickle cell disease clinical course by UDP-glucuronosyltransferase 1A1 gene promoter polymorphism. *Journal of Human Genetics*, 2008;53(6):524-8. Epub 2008 Apr 5
WOS:000256320100006

Martins, Sofia de Oliveira & Polybio Serra e Silva & Ana Luisa Papoila & Margarida Caramona & Jan W. Foppe van Mil & José Cabrita (2008). Assessment of global cardiovascular risk and risk factors in Portugal according to the SCORE® model. *J Public Health*. 16:361-367

Neves, C. & Fraga Alves, M.I. (2008). Testing extreme value conditions — an overview and recent approaches. *Revstat* 6:1, 83-100

Nunes B, Pechirra P, Coelho A, Ribeiro C, Arraiolos A, Rebelo-de-Andrade H. (2008) Heterogeneous selective pressure acting on influenza B Victoria- and Yamagata-like

hemagglutinins. *J Mol Evol.* 2008 Oct;67(4):427-35. Epub 2008 Oct 8
WOS:000260282700011

Oleastro M, Cordeiro R, Ferrand J, Nunes B, Lehours P, Carvalho-Oliveira I, Mendes AI, Penque D, Monteiro L, Mégraud F, Ménard A. (2008) Evaluation of the clinical significance of homB, a novel candidate marker of *Helicobacter pylori* strains associated with peptic ulcer disease. *J Infect Dis*;198(9):1379-87 WOS:000260030200019

Oliveira, A., Oliveira, T., Mexia, J.T. (2008). Analysis of residuals and adjustment in JRA. *Biometrical Letters*, 45(1), 45-54

Oliveira, A., Oliveira, T., Mejza, S., Mexia, J.T. (2008). Joint regression analysis applied to genotype stability evaluation over years. *Biuletyn Instytutu Hodowli i Aklimatyzacji Roslin*, 250, 225-235

Pereira, Sofia A., Umbelina Caixas, Teresa Branco, Isabel Germano, Fátima Lampreia, Ana L. Papoila & Emília C. Monteiro (2008). Efavirenz concentrations in HIV-infected patients with and without viral hepatitis. *British Journal of Clinical Pharmacology*. 66:4, 551-555

Pinto, A.E., Silva, G.L., Banito, A., Leite, V. and Soares, J. (2008). Aneuploidy and high S-phase as biomarkers of poor clinical outcome in poorly differentiated and anaplastic thyroid carcinoma. *Oncology Reports*, 20, 913-919

Silva, G.L., Dean, C.B, Niyonsenga, T. and Vanasse, A. (2008). Hierarchical Bayesian spatiotemporal analysis of revascularization odds using smoothing splines. *Statistics in Medicine*, 27, 2381-2401

Soares de Almeida, L., Requena, L., Rütten, A., Kutzner, H., Garbe, C., Pestana, D., and Marques Gomes, M. (2008). "Desmoplastic Malignant Melanoma: A Clinico-Pathologic Analysis of 113 Cases", *American J. Dermatopathology* 30, 207-215

Souto-Carneiro, M. M., Fritsch, R., Sepúlveda, N., Lagareiro, M. J., Morgado, N., Longo, N. S. and Lipsky, P. E. (2008). The NF-kappaB canonical pathway is involved in the control of the exonucleolytic processing of coding ends during V(D)J recombination. *The Journal of Immunology* 180, 1040–1049.

2009

Aars, J., Marques, T.A., Buckland, S.T., Andersen, M., Belikov, S., Boltunov, A. & Wiig, Ø. (2009) Estimating the Barents Sea polar bear subpopulation size. *Marine Mammal Science*. 25: 35-52

André, Marisa C. , Filipe, Paulo, Kutzner, Heinz, Soares de Almeida, L. e Marques Gomes, M. (2009) An atypical case of primary cutaneous CD30-positive large cell lymphoma mimicking leg ulcers, *Skin Cancer* 2009;24(1):39-43

Bacelar-Nicolau, Helena, Nicolau, Fernando, Sousa, Áurea, Bacelar-Nicolau, Leonor (2009). "Measuring similarity of complex and heterogeneous data in clustering of large data sets". *Biocybernetics and Biomedical Engineering*, Vol 29, Nº 2: 9-18

Borges da Costa, J., Silva, Raquel, Soares de Almeida, L., Filipe, Paulo, Filipe, e Marques Gomers, M. (2009) Sweet's syndrome: a retrospective study of 42 admitted patients in a Portuguese Hospital, *International Journal of Dermatology* ;48(9):953-955.
WOS:000269086600006

Borges da Costa, J., Mayer-da-Silva, A., Soares de Almeida, L. e Marques Gomes, M. (2009) Success of prednisone in the treatment of a patient with Sarcoidosis and Systemic Sclerosis: report of a case, *Dermatology Online Journal*, 15(3):11

Borges da Costa, J., Silva, Raquel, Soares de Almeida, L. e Marques Gomes, M. (2009) Paget's disease of the vulva - a retrospective study of 7 patients and review of the therapeutic options *Skin Cancer* 2009; 24(1):23-28

Borrego LM, Arroz MJ, Videira P, Martins C, Guimarães H, Nunes G, Papoila AL, Trindade H (2009). Regulatory cells, cytokine pattern and clinical risk factors for asthma in infants and young children with recurrent wheeze. *Clinical Experimental Allergy*, 39: 1160-1169

Brilhante, M. F., Mendonça, S. Pestana, D., and Rocha, M. L. (2009). Inference on the location parameter of exponential populations. *Discussiones Mathematicae Probability and Statistics* 29, 115-129

Cadima, J. & Jolliffe, I.T., (2009) On relationships between uncentred and column-centred principal components. *Pakistan Journal of Statistics*, 25(4), 473-503
WOS:000272262400007

Caeiro, F. & Gomes, M.I. (2009). Semi-parametric second-order reduced-bias high quantile estimation. *Test* 18:2, 392-413

Caeiro, F., Gomes, M.I. & Henriques-Rodrigues, L. (2009). Reduced-bias tail index estimators under a third order framework. *Commun. Statist. — Theory & Methods* 38:7, 1019-1040

Caneco, A., Grácio, C., Fernandes, S., J. Rocha, J. L., and Ramos, C. (2009). Synchronizability and Graph Invariants, *ISAST Transactions on Computers and Intelligent Systems*, 2, 47-52

Caneco, Acilina, Rocha, J. Leonel and Grácio, Clara (2009), Topological Entropy in the Synchronization of Piecewise Linear and Monotone Maps. Coupled Duffing Oscillators, *International Journal of Bifurcation & Chaos*, 19, 11, 3855-3868. WOS:000274915300018

Caneco, Acilina, Rocha, J. Leone and Grácio, Clara (2009), Kneading Theory Analysis of the Duffing Equation, *Chaos, Solitons & Fractals*, 42, 1529-15 WOS:000268987400028

Canto e Castro, Luísa and Dias, Sandra (2009) - Asymptotic distribution of certain statistics relevant to the fitting of max-semistable models. *Portugaliae Mathematica*. (N.S.) 66, No. 3, 401-412. WOS:000208127700008

Chalfun G, Mello RR, Dutra MV, Andreozzi VL, Silva KS. (2009) Risk factors for respiratory morbidity at 12 to 36 months in very low birth weight premature infants previously admitted to a public neonatal intensive care unit. *Cad Saude Publica*. 25(6):1399-408

Cordeiro, C. and Neves, M. (2009). Forecasting with Boot.EXPOS procedure. *Revstat*, 7:2 135-149

Costa V, Lourenço HM, Figueiredo I, Carvalho L, Lopes H, Farias I, Pires L, Afonso C, Vieira AR, Nunes ML and Gordo LS, (2009) Mercury, cadmium and lead in black scabbardfish (*Aphanopus carbo* Lowe, 1839) from mainland Portugal and the Azores and Madeira archipelagos. *Scientia Marina* 73S2, 77-88,

de Zea Bermudez, P, Mendes-Lopes, J, Pereira, J M C, Turkman, K F and Vasconcelos, M J P (2009) Spatial and temporal extremes of wildfires sizes in Portugal (1984-2004). *International Journal of Wildland Fire* 18, 983–991. doi:10.1071/WF07044

Dias S, ANDREOZZI V, Martins MO, Torgal J, (2009). Predictors of mortality in HIV-associated hospitalizations in Portugal: a hierarchical survival model. *BMC Health Services Research*, 23;9-125

Ferro, J.M., Bacelar-Nicolau, H., Rodrigues, T., Bacelar-Nicolau, L., Canhão, P., Crassard, I., Bousser, M.G., Dutra, A.P., Massaro, A., Mackowiack-Cordioli, MA, Leys, D., Fontes, J., Stam, J. & Barinagarrementeria, F. (2009). "A Risk Score to Predict the Outcome of Patients with Cerebral Vein and Dural Sinus Thrombosis", *Cerebrovascular Diseases Journal*, Karger, Vol. 28: 39-44

Figueiredo, F. and Gomes, M.I. (2009). Monitoring Industrial Processes with Robust Control Charts. *Revstat - Statistical journal*, 7, pp. 151-170

Fraga Alves, M.I., Gomes, M.I., de Haan, L. & Neves, C. (2009). Mixed Moment Estimators and Location Invariant Alternatives. *Extremes* 12, 149-185

Fraga Alves, M. I., de Haan, L. and Neves, C. (2009). A test procedure for detecting superheavy tails. *J. Stat. Planning and Inference*, 139, 213-227.

Gaspar, H, Moiteiro, C, Amaral Turkman, A, Coutinho, J and Carnide, V (2009). Influence of soil fertility on dye flavonoids production in weld (*Reseda luteola* L.) accessions from Portugal. *L. Sep. Sci* 32, 1-7

Gomes, Dulce and Canto e Castro, Luísa (2009) - Generalized integer-valued random coefficient for a first order structure autoregressive (RCINAR) process. *J. Stat. Plann. Inference* 139, No. 12, 4088-4097

Gomes, M.I. (2009). Nonparametric Analysis of Univariate Heavy-tailed Data: Research and Practice, by N. Markovich. Wiley Series in Probability and Statistics, 2007 (Book Review). *Biometrics* 65:1, 336-336

Gomes, M.I. & Pestana, D. (2009). A sturdy reduced-bias extreme quantile (VaR) estimator. *J. Amer. Statist. Assoc.* 104, 280-292.

Gomes, M. I., Pestana, D., and Caeiro, F. (2009). "A note on the asymptotic variance at optimal levels of a bias-corrected Hill estimator", *Statistics and Probability Letters* vol. 79, 295-303

Guerreiro C.S., Ferreira P., Tavares L., Moura Santos P., Neves M., Brito M., Cravo M. (2009). Fatty acids, IL-6 and TNF-alpha polymorphisms: An example of nutrigenetics in Crohn's disease. *The American Journal of Gastroenterology*, 104, 2241-2249

Henriques-Rodrigues, L. & Gomes, M.I. (2009). High quantile estimation and the PORT methodology. *Revstat*, 7:3, 245–264.

Justo, M. R. M., J. Marques, R. M., A., Sousa Ferreira, A. (2009). Caesarean Birth Vs. Vaginal Delivery. Effects upon Maternal Satisfaction, Maternal Confidence and Maternal Perception of the Newborn Behaviour. INFAD, *International Journal of Developmental and Educational Psychology*, ISSN 0214-9877, XXI, 2(1), 45-57.

Haan, L., Vries, C. G. and Zhou, C. (2009). The expected pay off to Internet auctions. *Extremes*, 12, 219-238

Kabluchko, Z., Schlather, M. & de Haan, L. (2009). Stationary max-stable fields associated to negative definite functions. *The Annals of Probability*. Volume 37, Number 5, 2042-2065 WOS:000270878600013

Kissling E, Valenciano M, Falcao J, Larrauri A, Widgren K, Pitigoi D, Oroszi B, Nunes B, Savulescu C, Mazick A, Lupulescu E, Ciancio B, Moren A. (2009) "I-MOVE" towards monitoring seasonal and pandemic influenza vaccine effectiveness: lessons learnt from a pilot multi-centric case-control study in Europe, 2008-9. *Euro Surveill.* 5;14(44). WOS:000272247100007

Machado, C., Paulino, C.D. and Nunes, F. (2009). Deprivation Analysis based on Bayesian Latent Class Models. *J. Applied Statistics*, 36/8, 871-891

Marques, T. A. (2009) Distance sampling: estimating animal density. *Significance*. 6: 136-137

Marques, T. A., Thomas, L., Ward, J., Dimarzio, N. & P. L. Tyack (2009) Estimating cetacean population density using fixed passive acoustic sensors: an example with

Blainville's beaked whales. *The Journal of the Acoustical Society of America*. 125: 1982-1994

Martins, P., J. Rosado-Pinto, M. do Céu Teixeira, N. Neuparth, O. Silva, H. Tavares, J. L. Spencer, D. Mascarenhas, A.L. Papoila, N.Khaltsev, I. Annesi-Maesano (2009). Underreport and underdiagnosis of chronic respiratory diseases in an african country. *Allergy* 64(7): 1061-7

Natário, I. & Carvalho, L. (2009). Addressing the problem of lack of representativeness on syndromic schemes. *Discussiones Mathematicae - Probability and Statistics*, 29

Napoleão, Patrícia, Selas, Mafalda, Toste, Alexandra, Turkman, Antónia, Andreozzi, Valeska, Viegas-Crespo, Ana Maria, Pinheiro, Teresa, Ferreira, Rui Cruz F. (2009). Serial Changes of Oxidized Low-density Lipoprotein Associated with Culprit Vessel in ST-Elevation Myocardial Infarction – A Promising Marker? *Revista Portuguesa de Cardiologia* 2009; 28 (3): 303-308

Nogueira PJ, Nunes B, Machado A, Rodrigues E, Gómez V, Sousa L, Falcão JM.(2009) Early estimates of the excess mortality associated with the 2008-9 influenza season in Portugal. *Euro Surveill*. 2009 May 7;14(18). 11-13, pii: 19194 WOS:000268016700005

Nunes A, Borrego MJ, Nunes B, Florindo C, Gomes JP.(2009) Evolutionary dynamics of ompA, the gene encoding the Chlamydia trachomatis key antigen. *J Bacteriol*. 2009 Dec;191(23):7182-92. Epub 2009 Sep 25

Pádua E, Parreira R, Tendeiro R, Nunes B, Castela J, Soares I, Mouzinho A, Reis E, Paixão MT. (2009) Potential impact of viral load and genetic makeup of HIV type 1 on mother-to-child transmission: characterization of env-C2V3C3 and nef sequences. *AIDS Res Hum Retroviruses*. 25(11):1171-1177. WOS:000272182200016

Pádua E, Almeida C, Nunes B, Cortes Martins H, Castela J, Neves C, Paixão MT.(2009) Assessment of mother-to-child HIV-1 and HIV-2 transmission: an AIDS reference laboratory collaborative study. *HIV Med*. 2009 Mar;10(3):182-90. Epub 2009 Jan 7 WOS:000263601000007

Pestana, D. D., Aleixo, S. M., and Rocha, J. L. (2009). The Beta(p,1) extensions of the random (uniform) Cantor sets. *Discussiones Mathematicae Probability and Statistics* 29, 199-221

Pinto, A.E., André, S., Silva, G.L., Vieira, S., Santos, A.C., Dias, S. and Soares, J. (2009). BCL-6 oncoprotein in breast cancer: loss of expression in disease progression. *Pathobiology*, 76, 235-42

Pinto, Susana, Turkman, Antónia, Pinto, Anabela, Swash, Michael and Mamede de Carvalho (2009). Predicting respiratory insufficiency in amyotrophic lateral sclerosis: The role of phrenic nerve studies. *Clinical Neurophysiology* 120 (2009) 941–946

Ramos, M.R. Carolino, E., Oliveira, T., Silva, A. P., Carvalho, R. and Bicho, M., (2009). Haptoglobin, acid phosphatase and demographic factors: obesity risk. *Biometrical Letters*, Vol. 46, nº1, 43-54

Ramos R, Patrício L, Bernardes L, Cacela D, Sousa L, Fiarresga A, Gonçalves JM, Toste A, Lousinha A, Oliveira JA, Ferreira L, Andreozzi V, Ferreira RC. (2009) Results of primary angioplasty in a reference center: in-hospital outcomes. *Rev Port Cardiol.*(10):1063-84

Reis, Paula and Canto e Castro, Luísa (2009) - Limit Model for the Reliability of a Regular and Homogeneous Series-Parallel System. *REVSTAT – Statistical Journal*, Volume 7, Number 3, 227–243

Sebastiana, M., Figueiredo A., Acioli-Santos B., Sousa L, Pessoa F., Baldé A. and Pais M.S. (2009). Identification of plant genes involved on the initial contact between ectomycorrhizal symbionts (*Castanea sativa* - European chestnut and *Pisolithus tinctorius*). *European Journal of Soil Biology* 45: 275–282.
(DOI:10.1016/j.ejsobi.2009.02.001)

Sepúlveda, N., Paulino, C.D. and Penha- Gonçalves, C. (2009). Bayesian Analysis of Allelic Penetrance Models for Complex Binary Traits. *Computational Statistics and Data Analysis* 53, 1271-1283

Susana Pinto , Antónia Turkman , Anabela Pinto , Michael Swash and Mamede de Carvalho (2009). Predicting respiratory insufficiency in amyotrophic lateral sclerosis: The role of phrenic nerve studies. *Clinical Neurophysiology* 120 (2009) 941–946

Temido, Maria da Graça and Canto e Castro, Luísa (2009) - On a Second Order Condition for Max-Semistable Laws, *Pliska Studia Mathematica Bulgarica* 19, 97-110

Temido, M.G, Canto Castro, Luísa e Dias, S. (2009) Tail inference for a law in a max-semistable domain of attraction - *Pliska Studia Mathematica Bulgarica*, 19, (2009), 83-96.

Valente, V. & Oliveira, T.A. (2009). Hierarchical Linear Models in Education Sciences: an Application. *Biometrical Letters*, vol. 46(1), 2009, pp. 71-86

2010

Achcar J., Rodrigues E., Paulino C.D. and Soares, P. (2010). Non-homogeneous Poisson models with a change-point: an application to ozone peaks in Mexico City. *Environmental and Ecological Statistics*, 17, 521-541. WOS:000286284300008

Basso B.; Amato, M.; Bitella G.; Rossi, R.; Kravchenko A.; Sartori; L.; Lucília M. Carvalho; Gomes J. Two-Dimensional Spatial and Temporal Variation of Soil Physical Properties in Tillage Systems Using Electrical Resistivity Tomography. *Agronomy Journal*, Volume 102, Issue 2, 2010. doi: 102134/agronj2009.0298

Borchers, D. L. , Marques, T., Gunnlaugsson, T. & P. Jupp (2010) Estimating distance sampling detection functions when distances are measured with errors. *JABES*. 15: 346-361. WOS:000284912600005

Branco, F., Oliveira, T.A., Oliveira, A. (2010): The Impact of Distributional Shape on the Power of randomization Tests for Two Independent Groups: a Simulation Study Using Small Balanced Samples. *Biometrical Letters*, 47:2, 107-118

Bruno-Soares, A.M., Cadima, J. & Matos, T.J.S., (2010) Predicting degradability parameters of diets for ruminants using regressions on chemical parameters. *Journal of the Science of Food and Agriculture*, 90, 949-955. doi:10.1002/jsfa.3891
WOS:000276650500005

Cadima, J., Calheiros, F.L. & Preto, I.P.(2010), The eigenstructure of block-structured correlation matrices and its implications for Principal Component Analysis. *Journal of Applied Statistics*, 37(3-4), 577-589. WOS:000275681100005

Caeiro, F. and Gomes, M.I. (2010). An asymptotically unbiased moment estimator of a negative extreme value index. *Discussiones Mathematicae Probability and Statistics* 30:1, 5-19. Available at: <http://www.discuss.wmie.uz.zgora.pl/ps/>

Chora JR, Matos TD, Martins JH, Alves MC, Andrade SM, Silva LF, Ribeiro CA, Antunes MC, Fialho MG, Caria MH. (2010) DFNB1-associated deafness in Portuguese cochlear implant users: Prevalence and impact on oral outcome. *International Journal of Pediatric Otorhinolaryngology* 74, 1135–1139. doi:10.1016/j.ijporl.2010.06.014

de Zea Bermudez, P. and Kotz, S. (2010). Parameter estimation of the generalized Pareto distribution - Part I. *Journal Statistical Planning and Inference*, 140, 6, 1353-1373

de Zea Bermudez, P. and Kotz, S. (2010). Parameter estimation of the generalized Pareto distribution - Part II. *Journal Statistical Planning and Inference*, 140, 6, 1374-1388

Diogo L, Papoila AL (2010). Is it possible to characterize objectively Sensitive Skin?. *Skin Research and Technology* 2010; 16: 30–37

Faustino, C.E.S., M. A. Silva, T. A. Marques & L. Thomas (2010). Designing a shipboard line transect survey to estimate cetacean abundance off the Azores archipelago. *Arquipelago - Life and Marine Sciences*. 27: 49-58

Ferreira, M. and Canto e Castro, L. (2010) - Modeling rare events through a pRRMAX process. Accepted for publication in *Journal of Statistical Planning and Inference*, 140:11, 3552-3566.

Ferreira, M. and Canto e Castro, L. (2010) - Asymptotic and pre-asymptotic tail behavior of a power max-autoregressive model. *ProbStat Forum* 3:8, 91-107. Available on-line at: <http://probat.org.in/PSF-0610.pdf>

Figueiredo F., M. Ivette Gomes, Lígia Henriques-Rodrigues, M. Cristina Miranda (2010) A computational study of a quasi-PORT methodology for VaR based on second-order reduced-bias estimation, *JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION* Vol.82, pp. 587-602 .

Gil, Pedro M., Figueiredo, F. and Afonso, O. (2010). Equilibrium Price Distribution with Directed Technical Change. *Economics Letters*, 108, 130-133. WOS:000280393900008

Gomes, M. I., Henriques-Rodrigues, L., Pereira, H., and Pestana, D. (2010). Tail index and second order parameters' semi-parametric estimation based on the log-excesses. *Journal Statisti. Comput. and Simulation* 80, 653-666, DOI: 10.1080/00949650902755178.

Gomes, M.I. and Henriques-Rodrigues, L. (2010). Comparison at optimal levels of classical tail index estimators: a challenge for reduced-bias estimation? *Discussiones Mathematicae Probability and Statistics* 30:1, 35-51.

Gonçalves-Pereira, M., Carmo, I., Alves da Silva J., Papoila A.L., Mateos, R., & Zarit, S. H. (2010). Caregiving experiences and knowledge about dementia in Portuguese clinical outpatient settings. *InternationalPsychogeriatrics*, 22, 270-280

Heide-Jørgensen, M.; Laidre, K.; Borchers, D.; Marques, T., Sern, H. & Simon, M. (2010). The effect of sea-ice loss on beluga whales (*Delphinapterus leucas*) in *West Greenland*. *Polar Research*. 29: 198-208. WOS:000280127700005

Heide-Jørgensen, M , K.Laidre, M. L. Burt, D. L. Borchers, T. A. Marques, R. G. Hansen, M. Rasmussen and S.. Fossette (2010) Abundance of narwhals (*Monodon monoceros* L.) on the hunting grounds in Greenland. *Journal of Mammalogy* 91: 1135—1151. WOS:000283474400008

Justo, M. R. M., J. Pais Vieira, F. S., C., Costa, V. E., Sousa Ferreira, A. (2010). Stigma Consciousness and Self-Efficacy in Infertile Couples: Correlation and Gender Differences. *INFAD, International Journal of Developmental and Educational Psychology*, 2,. ISSN 0214-9877. 17-24

Justo, M. R. M., J. Melo, A. L. C. V., Sousa Ferreira, A. (2010). Defence Mechanisms of Infertile Couples Vs. Fertile Couples *INFAD, International Journal of Developmental and Educational Psychology*, 2, 2010. ISSN 0214-9877. 433-442.

Larsen, R., Gozzelino, R., Jeney V., Tokaji L., Bozza F.A., Japiassú A.M., Bonaparte D., Cavalcante M.M., Chora A., Ferreira A., Marguti I., Cardoso S., Sepúlveda N., Smith A., Soares M. P. (2010). A central role for free heme in the pathogenesis of severe sepsis. *SciTransl Med*. 2, 51ra71. WOS:000288438400004

Malta, F.M., Medeiros-Filho, J.E.M., Azevedo, R.S., Gonçalves, L., da Silva, L.C., Carilho, F.J., Pinho, J.R.R. (2010) Sequencing of E2 and NS5A regions of HCV genotype 3a in Brazilian patients with chronic hepatitis. *Mem Inst Oswaldo Cruz*, 105: pp. 92-98 WOS:000275325500014

Marçalo, A., Marques, T. A., Araújo, J., Pousão-Ferreira, P., Erzini, K. & Stratoudakis, Y. (2010) Fishing simulation experiments for predicting effects of purse seine capture on sardines (*Sardina pilchardus*). *ICES Journal of Marine Sciences*. 67: 334-344.
WOS:000274341200014

Marques, T. A., Buckland, S. T., Borchers, D, Tosh, , D. & McDonald, R. A. (2010) Point transect sampling along linear features. *Biometrics*. 66: 1247-1255.
WOS:000285204900027

Mendes, J., de Zea Bermudez, P., Pereira, J., Turkman, K.F. and Vasconcelos, V M. (2010). Spatial extremes of wildfire sizes: Bayesian hierarchical models for extremes. *Environmental and Ecological Statistics*, 17, 1, 1-28

Moretti, D., T. A. Marques, L. Thomas, N. Dimarzio, A. Dilley, R. Morrissey, E. McCarthy, J. Ward and S. Jarvis(2010) A dive counting density estimation method for Blainville's beaked whale (*Mesoplodon densirostris*) using a bottom-mounted hydrophone field as applied to a Mid-Frequency Active (MFA) sonar operation. *Applied Acoustics*. 71: 1036-1042. WOS:000282207200007

Neves, M. Manuela and Cordeiro, Clara (2010). Exponential smoothing and resampling techniques in time series prediction. *Discussiones Mathematicae. Probability and Statistics*. 30:1, 87-101. Available at: <http://www.discuss.wmie.uz.zgora.pl/ps/>

Nogueira PJ, Machado A, Rodrigues E, Nunes B, Sousa L, Jacinto M, Ferreira A, Falcao JM, Ferrinho P. (2010) The new automated daily mortality surveillance system in Portugal. *Euro Surveill*. 2010 Apr 1;15(13) WOS:000277098400005

Pereira, C., Bernardo, M., Pestana, D., Costa Santos, J., Mendonça, M. C. (2010). Contribution of Teeth in Human Forensic Identification - Discriminant function sexing odontometrical techniques in Portuguese Population. *J. Forensic and Legal Medicine* 17, 105-110.

Pires, Ana Elisabete; Afonso, Ana Filipa; Queirós, Ana; Cabral, Maria Salomé; Porrata, Luis; Markovic, Svetomir N.; Kaveri, Srinu V.; da Silva, Maria Gmes; João, Cristina (2010). Treatment With Polyclonal Immunoglobulin During T-cell Reconstitution Promotes Naive T-cell Proliferation. *Journal of Immunotherapy*. 33(6): 618-625.

Poleto F., Singer J. and Paulino C.D. (2010). Missing data mechanisms and their implications on the analysis of categorical data. *Statistics and Computing* 21, 31-43 (DOI: 10.1007/s11222-009-9143-x). WOS:000285363700003

Prata Gomes, D. and Neves, M. M. (2010). ``Extremal behaviour of stationary processes: the calibration technique in the extremal index estimation". *Discussiones Mathematicae. Probability and Statistics*. 30: 21-33.

Ramos, S, Amaral Turkman, MA, Antunes, M. (2010). Bayesian classification for bivariate normal gene expression. *Computational Statistics and Data Analysis* 54, 2012-2020

Sambo M.R., Trovoada M.J., Benchimol C., Quinhentos V., Gonçalves L., Velosa R., Marques M. I., Sepúlveda N., Clark T.G., Coutinho A. and Penha-Gonçalves C. (2010). Transforming growth factor 2 and hemoxygenase 1 genes are risk factors for the cerebral malaria syndrome in angolan children. *PLoSOne*, 5, e11141.

Sampaio,P., Calado,C., Sousa, L., Bressler,D., Pais,M.S., Fonseca,L. (2010). Optimization of the culture medium composition using response surface methodology for new recombinant cyprosin B production in bioreactor for cheese production. *European Food Research and Technology* 231: 339–346. (DOI: 10.1007/s00217-010-1281-z)

Sepúlveda, N., Paulino, C.D. and Carneiro, J (2010). Estimation of T-cell repertoire diversity and clonal size distribution by Poisson abundance models. *Journal of Immunological Methods*, 353: 124–137 WOS:000275503100016

Silva, L., Amaral Turkman, A. and Paulino, C.D. (2010). Statistical evaluation of repeated peak area measurements using Bayesian inference. *Applied Radiation and Isotopes*, 68, 1397-1402

Sousa, Áurea, Nicolau, Fernando, Bacelar-Nicolau, Helena, Silva, Osvaldo (2010). Weighted Generalised Affinity Coefficient in Cluster Analysis of Complex Data of the Interval Type. *Biometrical Letters*, Vol. 47, Nº 1: 45-56.

Soto,K., Coelho,S., Rodrigues,B., Martins,H., Frade,F., Lopes,S., Cunha,L., Papoila,A.L., Devarajan,P. (2010). Cystatin C as a marker of acute kidney injury in the emergency department. *Clinical Journal of the American Society of Nephrology*, 5(10):1745-54 (doi: 10.2215/CJN.00690110)

Thomas, L.; Buckland, S. T. ; Rexstad, R. ; Laake, J. L., Strindberg, S., Hedley, S., Bishop, J., Marques, T. A. & Burnham, K. P. (2010). Distance software: design and analysis of distance sampling surveys for estimating population size. *Journal of Applied Ecology*. 47: 5-14. DOI: 10.1111/j.1365-2664.2009.01737.x8

Toste A, Soares RM, Feliciano J, Andreozzi V, Silva S, Alves S, Ferreira L, Abreu A, Ferreira RC. (2010) Combining ventilatory efficiency and peak oxygen consumption in the prognostic assessment of patients with chronic heart failure. *Rev Port Cardiol*. 2010 Sep;29(9):1305-20. English, Portuguese. <http://www.spc.pt/DL/RPC/artigos/1238.pdf> WOS:000208551000002

Turkman, K.F., Amaral Turkman, M.A. and J.M. Pereira(2010) Asymptotic models and inference for extremes of spatio-temporal data, *Extremes* 13, 375-397.

Turkman, KF. (2010) Discussion of the paper Geostatistical Inference under preferential sampling by P Diggle, R Menezes and Ting Li, Su, *Royal Statistical Society series C(Appl. Statist)*. 59, Part 2, pp. 226

2011

Amaral Turkman, MA (2011) Book Review: "Introduction to Time Series Modeling", by Genshiro Kitagawa (ed), published by Chapman & Hall/CRC, 2010. Total number of pages 289. ISBN: 978-1-58488-921-2. *J. Time Ser. Anal.*, 32, 33.

Amaral-Turkman, MA, Turkman, KF, Le Page, Y and Pereira, JM (2011). "Hierarchical space-time models for fire ignition and percentage of land burned by wildfires". *Environmental and Ecological Statistics*, Volume 18, Issue 4 (2011), Page 601-617

Barreto-Hernandez, E., Gama-Carvalho, M. and Sousa, L. (2011). "Pre-processing Optimization of RNA Immunoprecipitation Microarray Data". *Journal of Computational Biology*, 18(10): 1319-1328. (DOI: 10.1089/cmb.2010.0020)

Bernardino, J., Bispo, R., Torres, P., Mascarenhas, M. Costa, H. M., and Rebelo, R. (2011). "Enhancing of carcass removal trials at three wind energy facilities in Portugal". *Wildlife Biology in Practice* 7(2), 2781-2791.

Borges-Costa J.; Silva R.; Gonçalves L.; Filipe P.; Soares de Almeida L.; Marques Gomes M. (2011) "Clinical and laboratory features in acute generalized pustular psoriasis: a retrospective study of 34 patients", *Am J Clin Dermatol.*, 12(4):271-6.

Brilhante, M.F., Gomes, M.I. & D. Pestana (2011). "BetaBoop brings in chaos". *Chaotic Modelling and Simulation* (CMSIM) 1, 39-50.

Bruno-Soares, A.M., Matos, T.J.S. & Cadima, J. (2011). "Nutritive value of *Cistus salvifolius* shrubs for small ruminants", *Animal Feed Science and Technology*, 165, p. 167-175. WOS:000291454400004

Caeiro, F. & Gomes, M.I. (2011). Semi-parametric tail inference through Probability-Weighted Moments. *J. Statistical Planning and Inference* 141, 937-950. DOI:10.1016/j.jspi.2010.08.015

Caeiro, F. & M.I. Gomes (2011). "Asymptotic comparison at optimal levels of reduced-bias extreme value index estimators". *Statistical Neerlandica* 65:4, 462-488.

Cai, J., Einmahl, J. & L. de Haan (2011). "Estimation of extreme risk regions under multivariate regular variation". *Annals of Statistics* 39, 1803-1826.

Canto e Castro, L. & S. Dias (2011). "Generalized Pickands' estimators for the tail index parameter and max-semistability". *Extremes* 14:4, 429-449.

Ceia, R. S.; Ramos, J. A.; Heleno, R. H.; Hilton, G. M. & Marques, T. A. (2011) "Status assessment of the Critically Endangered Azores Bullfinch *Pyrrhula murina*". *Bird Conservation International*. 21: 477-489. DOI: 10.1017/S0959270911000025

Faria, N.; Kim, J.; Gonçalves, L.; Martins, M.L.; Chan, K.; Campbell, B. (2011) "Enhanced activity of antifungal drugs using natural phenolics against yeast strains of *Candida* and *Cryptococcus*", *Letters in Applied Microbiology*, 52(5):506-13.

Felix J, Andreozzi V, Soares M, Borrego P, Gervásio H, Moreira A, Costa L, Marcelo F, Peralta F, Furtado I, Pina F, Albuquerque C, Santos A, Passos-Coelho JL for the Portuguese Group for the Study of Bone Metastases (2011). "Hospital resource utilization and treatment cost of skeletal-related events in patients with metastatic breast or prostate cancer: An estimation for the Portuguese National Health System". *Value in Health* Volume 14 Issue 4, 499-505.

Fortes,A.M., Agudelo-Romero,P. Silva,M.S., Ali,K., Sousa,L., Maltese,F., Choi,Y.H., Grimplet,J., Martinez- Zapater,J.M., Verpoorte,R. and Pais,M.S. (2011). "Transcript and metabolite analysis in Trincadeira cultivar reveals novel information regarding the dynamics of grape ripening". *BMC Plant Biology*. 11:149.

Gomes, M.I., Henriques-Rodrigues, L. & C. Miranda (2011). "Reduced-Bias Location-Invariant Extreme Value Index Estimation: a Simulation Study". *Communications in Statistics, Simulation and Computation* 40:3, 424-447.

Gomes, M.I., Mendonça, S. & D. Pestana (2011). "Reduce-bias tail index and VaR estimation via the bootstrap methodology". *Communications in Statistics, Theory and Methods* 40:16, 2946-2968.

Gomes, M.I. & M.M. Neves (2011). "Estimation of the extreme value index for randomly censored data". *Biometrical Letters* 48:1, 1-22.

Gomes, M.I., Pestana, D.D. & P. Pestana (2011). "Sir Pinsky rides again". *Chaotic Modelling and Simulation (CMSIM)* 1, 77-90.

Haan, L. & Zhou, C. (2011) "Extreme residual dependence for random vectors and processes", *Advances in Applied Probability* 43, 217-242.

Henriques-Rodrigues, L., Gomes, M.I. & D. Pestana (2011). "Statistics of Extremes in Athletics". *Revstat* 9:2, 127-153.

Inácio, V., Amaral Turkman, M .A., Nakas, C.T., Alonzo, T.A. (2011) "Nonparametric Bayesian estimation of the three-way receiver operating characteristic surface", *Biometrical Journal*, 53, 1011-1024.

Kusel, E., Mellinger, D. K., Thomas, L., Marques, T.A., Moretti, D. & Ward, J. (2011). "Cetacean population density estimation from single fixed sensors using passive acoustics". *The Journal of the Acoustical Society of America*. 129: 3610-3622. DOI: 10.1121/1.3531844

Marques, T. A.; Munger, L.; Thomas, L.; Wiggins, S. & Hildebrand, J. A. (2011) "Estimating North Pacific right whale (*Eubalaena japonica*) density using passive 10.3354/esr00325

Marques, T. A. , Thomas, L. and J. A. Royle (2011) "A hierarchical model for spatial capture-recapture data: Comment". *Ecology*. 92: 526-528. DOI: 10.1890/10-1440.1

Neves, C., Gomes, M.I. & M.I. Fraga Alves (2011). "Nitriding limits in aluminum extrusion". *International Journal of Mathematical Modelling and Numerical Optimisation (IJMMNO)* 2:3, 342-355.

Neves M. and Cordeiro, C. (2011). "Computational intensive methods for prediction and imputation in time series analysis". *Discussiones Mathematicae. Probability and Statistics* **31**, 121-139.

Neves, M. & D. Prata Gomes (2011). Geostatistics for spatial extremes. "A case study of maximum annual rainfall in Portugal". *Procedia Environmental Sciences, Spatial Statistics* 2011, Elsevier, Vol. 7, 246-251.

Nunes B, Viboud C, Machado A, Ringholz C, Rebelo-de-Andrade H, et al.(2011) "Excess Mortality Associated with Influenza Epidemics in Portugal, 1980 to 2004". *PLoS ONE* 6(6): e20661. doi:10.1371/journal.pone.0020661

Nunes-Cabaço, H., Caramalho, I., Sepúlveda, N. and Sousa, A. E. (2011). "Differentiation of human thymic regulatory T cells at the double positive stage". *European Journal of Immunology* 41, 3604-3614.

Nunes, B. & Natário, I. & Carvalho, L. (2011). Time series methods for obtaining excess mortality attributable to influenza epidemics. *Journal of Statistical Methods in Medical Research.*;20(4):331-45. DOI:10.1177/0962280209340201

Oliveira, T.A. and Valente, V. (2011). "Application of HLM to data with multilevel structure". *Discussiones Mathematicae Probability and Statistics* **31**, 87-101, doi:10.7151/dmps.1131.

Papoila, AL and Rocha, C. (2011). "Modelling current status data using Generalized Additive Models with flexible link: the additive gamma-logit model". *International Journal of Applied Mathematics & Statistics*, Volume 24, 2-19, Number SI-11A.

Pinto, A. E., Pires, A., Silva, G. L., Bicho, C., André, S. and Soares, J. (2011). "Ploidy and S-phase fraction as predictive markers of response to radiotherapy in cervical cancer". *Pathology Research and Practice* 207, 623-627.

Poleto F., Molenberghs G., Paulino C.D., and Singer J. (2011). "Sensitivity analysis for incomplete continuous data". *Test* 20, 3, 589-606.

Poleto F., Paulino C.D., Molenberghs G. and Singer J. (2011). "Inferential implications of over-parameterization: a case study in incomplete categorical data". *International Statistical Review* 79, 1, 92-113.

Poleto F., Singer J. and Paulino C.D. (2011). "Comparing diagnostic tests with missing data". *J. Applied Statistics* 38, 6, 1207-1222.

Poleto F., Singer J. and Paulino C.D. (2011). "Missing data mechanisms and their implications on the analysis of categorical data". *Statistics and Computing* 21, 31-43.

Roçadas, C., Oliveira, T.A. and Mexia, J.T. (2011). "Statistical modelling: application to the financial sector". *Discussiones Mathematicae Probability and Statistics* 31, 103–119, doi:10.7151/dmps.1132.

Sampaio, P.N., Sousa, L., Calado, C.R.C., Pais, M.S. and Fonseca, L.P. (2011). "Application of chemometrics for selection the *Saccharomyces cerevisiae* expression system and culture medium composition for heterologous cyprosin B production". *Biotechnology Letters* 33: 2111-2119. (DOI 10.1007/s10529-011-0678-5).

Turkman, K.F. (2011) Discussion to Lindgren, F., Rue, H. and J. Lindström (2011) "An explicit link between Gaussian fields and Gaussian random fields: the stochastic partial differential equation approach". *JRSS Series B*, 73, 489.

Ward, J., Jarvis, S., Moretti, D., Morrissey, R., Dimarzio, N., Thomas, L. & Marques, T. A. (2011) "Beaked whale (*Mesoplodon densirostris*) passive acoustic detection with increasing ambient noise". *The Journal of the Acoustical Society of America*. 129: 662-669. DOI: 10.1121/1.3531844.

2012

Aleixo, S.M., and Rocha, J.L. (2012), "Generalized Models from Beta ($p,2$) Densities with Strong Allee Effect: Dynamical Approach", *Journal of Computing and Information Technology*, Vol. 20, No. 3, 201-207. (ISBN 1330-1136, doi: 10.2498/cit.1002098).

Araújo Santos, P. and Fraga Alves, M.I. (2012). "A new class of independence tests for interval forecasts evaluation". *Computational Statistics and Data Analysis* 56, issue 11 (November, 2012), p. 3366-3380. DOI: 10.1016/j.csda.2010.10.002

Beirlant, J., Caeiro, F. and Gomes, M.I. (2012). "An overview and open research topics in the field of statistics of univariate extremes". *Revstat* 10:1, 1-31.

Bertuzzo, C.S., Sousa, L., Kunzelmann, K., Ribeiro, A.F. and Amaral, M.D. (2012). "Measurements of CFTR-Mediated Cl⁻ Secretion in Human Rectal Biopsies Constitute a Robust Biomarker for Cystic Fibrosis Diagnosis and Prognosis". *PLOS ONE* 7(10), e47708.

Bispo, R., Marques, T. A., and Pestana, D. (2012). "Statistical power of goodness-of-fit tests based on the empirical distribution function for Type I right censored data". *J. Statist. Computing Simul.* 82, 173-181.

(<http://dx.doi.org/10.1080/00949655.2011.624519>)

Branco M.S., Pestana, D., and Pereira, C. (2012). "Medico-Legal Age Estimation in Living Individual from a Portuguese Population: Third Molar Mineralization." *J. Forensic Res.* 3 (5):149-157. doi:10.4172/2157-7145.1000149

Brilhante, F., Gomes, M.I. and Pestana, D. (2012). "Extensions of Verhulst Model in Population Dynamics and Extremes". *Chaotic Modelling and Simulation (CMSIM)* 4, 575-591.

Campos P.A., B. Valente, R.B. Campos, L. Gonçalves, V.R. Rosário, L. Varandas, H. Silveira (2012). "Plasmodium falciparum infection in pregnant women attending antenatal care in Luanda, Angola", *Rev. Soc. Bras. Med. Trop.*, Vol 45, Nº3, pp. 369-374.

Carvalho, M., Amaral Turkman, M.A. and Swash, M. (2012). "Motor unit firing in amyotrophic lateral sclerosis and other upper and lower motor neurone disorders". *CLINICAL NEUROPHYSIOLOGY* Volume: 123 Issue: 11 Pages: 2312-2318.

De Zea Bermudez, P. and Mendes, Z. (2012). "Extreme value theory in medical sciences: modeling total high cholesterol levels". *Journal of Statistical Theory and Practice* 6:3, 468-491.

Felgueiras, M. (2012). "Explaining the seismic moment of large earthquakes by heavy and extremely heavy tailed models". *GEM -International Journal on Geomathematics*, Volume 3, Issue 2, 209-222.

Ferreira A., de Haan L. and Zhou C. (2012). "Exceedance probability of the integral of a stochastic process". *Journal of Multivariate Analysis* 10:1, 241–257. Available at: <http://dx.doi.org/10.1016/j.jmva.2011.08.020>

Ferreira, M., Gomes, M.I. and Leiva, V. (2012). "On an extreme value version of the Birnbaum-Saunders distribution". *Revstat* 10:2, 181-210.

Figueiredo, A., Figueiredo, F., Monteiro, N.P. and Straume, O.R. (2012). "Labor adjustments in privatized firms: a Statis approach". *Structural Change and Economic Dynamics* 23, 108-116.

Figueiredo, F., Gomes, M.I., Henriques-Rodrigues, L. and Miranda, C. (2012). "A computational study of a quasi-PORT methodology for VaR based on second-order reduced-bias estimation". *Journal Statistical Computation and Simulation.*; 82(4):587-602. (DOI: 10.1080/00949655.2010.547196)

Figueiredo, A., Monteiro, F., Fortes, A.M., Bonow-Rex, M., Zyprian, E., Sousa, L. e Pais, M.S. (2012). "Cultivar-specific kinetics of gene induction during downy mildew early infection in grapevine". *Functional and Integrative Genomics* 12(2), 379-386 (DOI 10.1007/s10142-012-0261-8)

Fortes, C.S., Amaral Turkman, M.A. and Sousa, L. (2012). "Arrow Plot: a new graphical tool for selecting up and down regulated genes and genes differentially expressed on sample subgroups". *BMC Bioinformatics* 13:147 (10.1186/1471-2105-13-147)

Gomes, M.I., Ferreira, M. and Leiva, V. (2012). "The Extreme Value Birnbaum-Saunders Model, its Moments and an Application in Biometry". *Biometrical Letters* 49:2, 81-94.

Gomes, M.I., Figueiredo, F. and Neves, M. (2012). "Adaptive estimation of heavy right tails: the bootstrap methodology in action". *Extremes* 15, 463-489, DOI: 10.1007/s10687-011-0146-6

Gomes-Santos, C.S.S., Itoe, M.A., Afonso, C., Henriques, R., Gardner, R., Sepúlveda, N., Simões, P.D., Raquel, H., Almeida, A.P., Moita, L.F., Frischknecht, F., Mota, M.M. (2012). "Highly Dynamic Host Actin Reorganization around Developing Plasmodium Inside Hepatocytes". *PLoS One* 2012, 7(1), e29408.

Gonçalves, L., C. Pascoal, A.M. Pires, M.R., Oliveira M.R. (2012), "Sample size for estimating a binomial proportion: comparison of different methods", *Journal of Applied Statistics*, Vol 39, Nº11, pp. 2453-2473.

Gonçalves, L., A. Subtil, M.R. Oliveira, V.E. Rosário, P. Lee, M.F. Shaio (2012). "Bayesian latent class models in malariadiagnosis", *PLoS ONE*, 7, Nº7, e40633. (doi:10.1371/journal.pone.0040633)

Gonçalves, M.H., Cabral, M.S., and Azzalini, A. (2012). "The R package bildfor the Analysis of Binary Longitudinal Data". *Journal of Statistical Software*, 46 (9) 1-17.

Gonçalves-Pereira, M., vanWijngaarden, B., Xavier, M., Papoila, A.L., Caldas-de-Almeida, J.M., Schene, A.H. (2012). "Caregiving in severe mental illness: the psychometric properties of the Involvement Evaluation Questionnaire in Portugal". *Annals of General Psychiatry* 28, 11-19. doi: 10.1186/1744-859X-11-8. PMID:22455541.

Henriques, D., Basto-Fernandes, V., Seco, A., Felgueiras, M., and Pereira, A. (2012). "LOSTE -Location Oriented System Technology for the Elder". *Procedia Technology*, Vol.5, 575-580. Elsevier.

Inácio, V., de Carvalho, M. and Amaral Turkman, M.A. (2012). Discussion of "Probabilistic index models" by Thas, O., de Neve, J., Clemente, L., Ottoy, J.P., *Journal of the Royal Statistical Society B*, Vol. 74, Issue 4, p 659.

Inácio, V., González-Manteiga, W., Febrero-Bande, M., Gude, F., Alonzo, T.A. and Cadarso-Suarez, C. (2012). "Extending induced ROC methodology to the functional context", *Biostatistics*, 13, 594-608.

Manjurano, A., Clark, T.G., Nadim, B., Mtove, G., Wangai, H., Sepúlveda, N., Campino, S.G., Maxwell, C., Olomi, R., Rockett, K.R., Jeffreys, A., MalariaGen consortium, Riley, E. M., Reyburn, H., Drakeley, C. (2012). "Candidate human genetic polymorphisms and severe malaria in a Tanzanian population". *PLoS One* 7(10), e47463.

Marques, T.A., Munger, L.; Thomas, L.; Wiggins, S. & Hildebrand, J.A. (2012). "Erratum to Estimating North Pacific right whale (*Eubalaena japonica*) density using passive

acoustic cue counting". *Endangered Species Research* 13, p. 163, 2011. 16: 95. DOI: 10.3354/esr00325

Margues, T.A., Thomas, L., Martin, S.W., Mellinger, D.K., Jarvis, S., Morrissey, R.P., Ciminello, C. & DiMarzio, N. (2012). "Spatially explicit capture recapture methods to estimate minke whale abundance from data collected at bottom mounted hydrophones". *Journal of Ornithology* 152: 445-455. (DOI: 10.1007/s10336-010-0535-7)

Martins, P.C., Valente, J., Papoila, A.L., Caires, I., Araújo-Martins, J., Mata, P., Lopes, M., Torres, S., Rosado-Pinto, J., Borrego, C., Annesi-Maesano, I. and Neuparth, N. (2012). "Airways changes related to air pollution exposure in wheezing children". *European Respiratory Journal* 39(2), 246-53. doi: 10.1183/09031936.00025111.

Monteiro, F., Sebastiana, M., Figueiredo, A., Sousa, L., Cotrim, H.C. e Pais, M.S. (2012). "Labellum transcriptome reveals alkene biosynthetic genes involved in orchid sexual deception and pollination-induced senescence". *Functional and Integrative Genomics* 12(4), 693-703. (DOI 10.1007/s10142-012-0288-x)

Pereira, A., Felisberto, F., Maduro, L., Felgueiras, M. (2012). "Fall Detection on Ambient Assisted Living using a Wireless Sensor Network", *Advances in Distributed Computing and Artificial Intelligence Journal*, 1, 53-62.

Pereira, C., Telles Antunes, M., Pestana, D., Mendonça, M.C., and Santos, J.C. (2012). "An Unidentified Skeletal Assemblage from a Post-1755 Mass Grave of Lisbon: Dental Morphology and Population Affinity". *Bulletin International Association of Paleodontology*, 6(1):12-26.

Pestana, P. (2012). "Lindenmayer Systems and the Harmony of Fractals", *Chaotic Modeling and Simulation Journal*, 1, 91-99.

Pestana, P., and Pestana, D. (2012). "Philip Glass' Façades—a Case Study on the Complexity of Music Scores", *Chaotic Modeling and Simulation (CMSIM)* 4: 607–621.

Pinto, A.E., Silva, G.L., Pereira, T., Cabrera, R.A., Santos, J.R. and Leite, V. (2012). "S-phase fraction and ploidy as predictive markers in primary disease and recurrence of papillary thyroid carcinoma". *Clinical Endocrinology*, 77, 302-309.

Prada, S., Menezes de Sequeira, M., Figueira, C., and Vasconcelos, R. (2012). "Fog precipitation in high altitude the tree heath forest (*Erica arborea* L.) of Paul da Serra massif (Madeira island)". *Hidrological Processes*, 26, 202-212. doi:10.1002/hyp.8126

Soares, M.O. and Canto e Castro, L. (2012). "Continuous time simulation and discretized models for cost-effectiveness analysis". *Pharmacoeconomics* 30:12, 1101-1117.

Sousa, M., Servidoni, M.F., Vinagre, A.M., Ramalho, A.S., Bonadia, L.C., Felício, V., Ribeiro, M.A., Uliyakina, I., Marson, F.A., Kmit, A., Cardoso, S.R., Ribeiro, J.D., Bertuzzo,

C.S., Sousa, L., Kunzelmann, K., Ribeiro, A.F. and Amaral, M.D. (2012). "Measurements of CFTR-Mediated Cl₂ Secretion in Human Rectal Biopsies Constitute a Robust Biomarker for Cystic Fibrosis Diagnosis and Prognosis". *PLOS ONE* 7(10), e47708.

Subtil, A., Oliveira, Gonçalves, L. (2012) "Conditional dependence diagnostic in the latent class model: A simulation study", *Statistics and Probability Letters*, Vol 82, pp. 1407-1412.

Thomas, L. & Marques, T. A. (2012). "Passive acoustic monitoring for estimating animal density". *Acoustics Today* 8: 35-44.

Toure, O., Konate, S., Sissoko, S., Niangaly, A., Barry, A., Sall, A., Diarra, E., Poudiougou, B., Sepúlveda, N., Campino, S. G., Rockett, K. R., Clark, T. G., Thera, M., Doumbo, O. in collaboration with MalariaGEN Consortium (2012). "Candidate polymorphisms and severe malaria in a Malian population". *PLoS One* 2012, 7(9): e43987.

Turkman, K.F. (2012) Book Review: Extreme value methods with applications to Finance. *Journal of Time Series Analysis*, 33:6, 964 - DOI:10.1111/j.1467-9892.2012.00801.x

Ursu, E. and Turkman, K.F. (2012) "Periodic autoregressive model identification using genetic algorithms". *J. of Time Series Analysis*, 33(3) 398-405. On-line DOI: 10.1111/j.1467-9892.2011.00772.x

Ward, J. A., L. Thomas, S. Jarvis, N. DiMarzio, D. Moretti, Marques, T.A., C. Dunn, D. Claridge, E. Hartvig & P. Tyack (2012). "Passive Acoustic Density Estimation of Sperm Whales in the Tongue of the Ocean, Bahamas". *Marine Mammal Science* 28:4, E444–E455. DOI: 10.1111/j.1748-7692.2011.00560.x

PROCEEDINGS INTERNATIONAL

2008

Aleixo, S., Rocha, J. L., and Pestana, D. (2008). "Populational Growth Models in the Light of Symbolic Dynamics". In Luzar-Stiffler, V., Dobric, V.H. and Bekic, Z. (eds.), *Proceedings of the ITI 2008, 30th International Conference on Information Technology Interfaces*, p. 311-316

Bacelar-Nicolau, H., Nicolau, F.; Sousa, A. (2008). Clustering complex and heterogeneous data in large data sets. 99th ICB Seminar and Seventh International Seminar on Statistical and Clinical Practice, International Centre of Biocybernetics, Polish Academy of Sciences, Warsaw, June 19-21 2008, 7-13.

Cordeiro, C. and Neves, M. (2008). Bootstrap and exponential smoothing working together in forecasting time series. Proceedings in Computational Statistics (COMPSTAT 2008), Paula Brito (Ed.), 891-899. Physica-Verlag

Gomes, D., Nunes, C. e Canto e Castro, L. (2008) - Cold and Heat waves: modelling mortality in Évora - Portugal. In Proceeding of the 23rd International Workshop on Statistical Modelling (Paul H. C. Eilers, editor); pp. 250-55. 2008. Holanda

Gomes, M.I., Henriques Rodrigues, L., Pereira, H. & Pestana, D. (2008). A semi-parametric estimator of a "scale" second order parameter based upon the log-excesses. In Luzar-Stiffler, V., Dobric, V.H. and Bekic, Z. (eds.), *ITI 2008 Proceedings*, ISBN 978-953-7138-12-7, pp. 329-334

Oliveira, A., Oliveira, T.A., Mejza, S.. (2008). Joint Regression Analysis applied to Genotype Stability Evaluation. Proceedings of the XVIII Summer School in Biometry, Rackova Dolina, Slovakia, 23-27 Junho 2008, pp.147-153

Ramos, S., Amaral Turkman, M.A. Antunes, M. (2008). Optimal Screening Methods in Gene Expression Profiles Classification. In Proceedings in Computational Statistics 2008, edited by Paula Brito, Verlag Heidelberg, vol II, part III, 137-144

Teles, J.; Gonçalves, L. (2008) Power of normality tests under a mixture of Gaussian Distributions: a simulation Study. In Proceedings of 23rd International Workshop on Statistical Modelling (P. Eilers, Editor), pp.410-413

2009

Aleixo, S.M, Rocha, J. L., and Pestana, D.D. (2009). Dynamical Behaviour in the Parameter Space: New Populational Growth Models Proportional to Beta Densities. In Luzar-Stiffler, V., Jarec, I. and Bekic, Z. (eds.), *Proceedings of the ITI 2009, 31st International Conference on Information Technology Interfaces*, p. 213-218 , tat/Dubrovnik, Croácia, DOI 10.1109/ITI.2009.5196082, 213-218

Aleixo, S.M, Rocha, J. L., and Pestana, D.D. (2009). Populational Growth Model Proportional to Beta Densities with Allee Effect, *Proceedings of the BVP 2008, International Conference on Boundary Value Problems: Mathematical Models in Engineering, Biology and Medicine*, Espanha, American, Institute of Physics, vol. 1124, 3-12.

Amaral Turkman, M.A. and Turkman, KF. (2009) Hierarchical space-time models for fire ignition and percentage of land burned by wildfires *Proceedings of the 24th International Workshop on Statistical Modelling*. James G. Booth, Editor, 49-52

Caneco, A., Grácio, C., Fernandes, S., J. Rocha, J. L., and Ramos, C. (2009). Relationship Between the Behavior of Entropy, the Conductance and the Coefficient of Clustering of

Networks Using Symbolic Dynamics, *Proceedings of the NOMA'09, International Workshop on Nonlinear Maps and their Applications*, 81-86, Urbino.

Caneco, A., Grácio, C., Fernandes, S., J. Rocha, J. L., and Ramos, C. (2009). Conditions for the Formation of Clusters Depending on the Conductance and the Coefficient of Clustering, Proceedings of the INDS 2009, 2th International Workshop on Nonlinear Dynamics and Synchronization, 12-16, Klagenfurt, Austria

Gomes, D., Nunes, C. & Canto e Castro, L. (2009). Cold and Heat waves: modelling mortality in Évora - Portugal. In *Proceeding of the 23rd International Workshop on Statistical Modelling* (Paul H. C. Eilers, editor); pp. 250-55.

Gomes, M. I., Mendonça, S., and Pestana, D. (2009). Adaptive Reduced-Bias Tail Index and Value-at-Risk Estimation. *The XIIIth International Conference "Applied Stochastic Models and Data Analysis"* (ASMDA-2009) ISBN: 978-9955-28-463-5, Technika, Vilnius, p. 41-44

Gomes, M.I., Pestana, D.D., Sequeira, F., Mendonca, S. and Velosa, S. (2009). Uniformity of Offsprings from Uniform and Non-Uniform Parents. In Luzar-Stiffler, V., Jarec, I. and Bekic, Z. (eds.), *Proceedings of the ITI 2009 31st International Conference on Information Technology Interfaces*, p. 243-248

Gomes, M.I. & Miranda, C. (2009). Finite sample behaviour of the mixed moment estimator in dependent frameworks. In Luzar-Stiffler, V., Jarec, I. and Bekic, Z. (eds.). *Proceedings of the ITI 2009*, ISBN: 978-953-7138-15-8, University of Zagreb Editions, 237-242

Pestana, D.D., Aleixo S.M. and Rocha, J. L. (2009). Hausdorff Dimension of the Random Middle Third Cantor Set. In Luzar-Stiffler, V., Jarec, I. and Bekic, Z. (eds.), *Proceedings of the ITI 2009, 31st International Conference on Information Technology Interfaces*, Cavtat/Dubrovnik, Croácia p. 279-284 , DOI 10.1109/ITI.2009.5196094

Silva, G.L., Oliveira, M. and Borges, J. (2009). Modelling and analysis of forest fire data in Portugal. In Invited Paper Meeting (Statistics in the Omics Era), Proceedings of the SIS 2009 Statistical Conference - Statistical Methods for the analysis of large data-sets, pg. 211-214, Chieti-Pescara, Italy

2010

Aleixo, S., Rocha, J. L., and Pestana, D. (2010). Beta(p,q)-Cantor Sets: Determinism and Randomness. Chaotic Modeling and Simulation,. In C. H. Skiadas, Y. Dimotikalis and C. Skiadas (eds), *Proceedings of the 3rd Chaotic Modeling and Simulation International Conference (CHAOS2010)*, CD book.

Bacelar-Nicolau, H.; Nicolau, F.; Sousa, Áurea; Bacelar-Nicolau, Leonor (2010). Clustering Complex Heterogeneous Data Using a Probabilistic Approach. Proceedings of Stochastic Modeling Techniques and Data Analysis International Conference (SMTDA2010), Chania Crete Greece, 8-11 June 2010 – published on the CD Proceedings of SMTDA2010 (*electronic publication*).

Bispo, R., Palminha, G., Bernardino, J., Marques, T. & Pestana, D. (2010). A new statistical method and a web-based application for the evaluation of the scavenging removal correction factor. In *Proceedings of the VIII Wind Wildlife Research Meeting*, pg 33-35, Denver, EUA.

Branco, F.; Oliveira, A.; Oliveira, T.A.(2010). Non-normality on the power of randomization tests: a simulation study using R. *Proceedings of SMTDA 2010*, Crete, Greece, , p121-134

Brilhante, M. F., Pestana, D., and Sequeira (2010). Combining p-values and Random p-values, In Luzar-Stiffler, V., Jarec, I. and Bekic, Z. (eds.), *Proceedings of the ITI 2010, 32nd International Conference on Information Technology Interfaces*, IEEE CFP10498-PRT, 515-520.

Brilhante, M. F., Mendonça, S., Pestana, D., and Sequeira (2010). Using Products and Powers of Products to Test Uniformity, In Luzar-Stiffler, V., Jarec, I. and Bekic, Z. (eds.), *Proceedings of the ITI 2010, 32nd International Conference on Information Technology Interfaces*, IEEE CFP10498-PRT, 509-514.

Caeiro, F., Gomes, M.I. and Vandewalle, B. (2010). Semi-Parametric Probability-Weighted Moments Estimation Revisited. IWAP 2010. Available electronically at: http://www.fundacion.uc3m.es/IWAP2010/Extended_Abstracts.html

Cordeiro, C. and Neves, M. M. (2010). "Boot.EXPOS in NNGC competition". *Proceedings of the WCCI 2010 IEEE World Congress on Computational Intelligence*, 1135-1141

Ferreira, A. (2010), Spatial Extremes and High Quantile Estimation of Aggregated Rainfall *Proceedings of the 45th Scientific Meeting of the Italian Statistical Society*, Padua 16-18 June, 2010, p.1-9.

Ferreira, M. and L. Canto e Castro. (2010) A method for fitting a pRRMAX model: an application to financial data , *Proc. of the 2010 Intern. Conf. on Engin. and Computer Science*, 2022-2026.

Gomes, M.I. & Henriques-Rodrigues, L. (2010). A Heuristic Choice of Tuning Parameters in a Location-Invariant Reduced-Bias Estimation of the Extreme Value Index: Application to Financial Log-returns and Simulated Data. In Luzar-Siffler, V., Jarec, I. & Bekic, Z. (eds.), *Proceedings of the ITI 2010, 32nd International Conference on Information Technology Interfaces*, SRCE Univ. Computing Centre Editions, 527-532.

Gomes, M.I. & Neves, M.M. (2010). A Note on Statistics of Extremes for Censoring Schemes on a Heavy Right Tail. In Luzar-Siffler, V., Jarec, I. & Bekic, Z. (eds.), *Proceedings of the ITI 2010, 32nd International Conference on Information Technology Interfaces*, SRCE Univ. Computing Centre Editions, 539-544.

Gomes, M.I., Henriques-Rodrigues, L. & Miranda, C. (2010). A Simulation Study of PORT Second-Order Reduced-Bias Extreme Value Index Estimation. In Luzar-Siffler, V., Jarec, I. & Bekic, Z. (eds.), *Proceedings of the ITI 2010, 32nd International Conference on Information Technology Interfaces*, SRCE Univ. Computing Centre Editions, 533-538.

Oliveira, T.A. (2010). BIB Designs with Repeated Blocks: Review and perspectives. *Proc. ICCS-X*, ISBN 978-977-416-365-8. Volume I, 82-96.

Pestana, D., Aleixo, S., and Rocha, J. L., (2010). Regular variation, paretian distributions, and the interplay of light and heavy tails in the fractality of asymptotic models. In C. H. Skiadas, Y. Dimotikalis and C. Skiadas (eds), *Proceedings of the 3rd Chaotic Modeling and Simulation International Conference (CHAOS2010)*, CD book. (9 pages)

Poleto F., Molenberghs G., Paulino C.D. and Singer J. (2010). Sensitivity analysis for incomplete continuous data: In *Proceedings of the 25th International Workshop on Statistical Modelling*, Glasgow, July 5-9 (A. Bowman, ed.), 445-448

2011

Aleixo, S. M, Brilhante, M. F., Pestana, D. (2011). "General Stuttering Beta(p,q) Cantor-Like Random Sets", *Proceedings of the 58th ISI Congress*, CPS008:6076-6081.

Brilhante, M. F., Gomes, M. I., and Pestana, D. (2011). "BetaBoop Brings in Chaos". *Proceedings of the Chaos 2011 — 4th Chaotic Modeling and Simulation International Conference*, http://www.cmsim.org/images/Proceedings_CHAOS_2011_A-B.pdf, p. 45-52.

Branco, F., Oliveira, T.A., Oliveira, A. & C.E. Minder (2011). "The effect of nonnormality on the power of randomization tests: a simulation study using normal mixtures". In Simos, T. et al. (eds.) *AIP Conference Proceedings*, Vol. 1389 (ICNAM 2011), 1463-1466.

Caeiro, F. & M.I. Gomes (2011). "Asymptotic distribution of an extreme value index estimator based on the scaled log-spacings". In Simos, T. et al. (eds.) *AIP Conference Proceedings*, Vol. 1389 (ICNAM 2011), 1467-1471.

Caeiro, F. and Gomes, M.I. (2011) " Computational validation of an adaptative choice of optimal sample fractions", *Int. Statistical Inst.: Proc. 58th World Statistical Congress*, 2011, Dublin (Session IPS021) p282-289.

Fraga Alves.M.I., de Haan, L. & C. Neves (2011). "Right Endpoint of a Distribution in Gumbel Domain of Attraction – Statistical Inference". *Bullettin International Statistical*

Institute LXIV, Int. Statistical Inst.: Proc. 58th World Statistical Congress, 2011, Dublin (Session STS040) 2994-2995).

Gomes, M.I., Pestana, D. (2011). "A Note on the Adaptive Choice of the Optimal Threshold in Extreme Value Analysis", *Proceedings of the 58th ISI Congress, CPS014-04*, p4161-4166.

Gonçalves, L., Subtil, A., Oliveira, M.R. "Sampling Strategies and Bayesian Latent Class Models for Estimating Sensitivity and Specificity". In *Proceedings of XIII Spanish Biometry Conference and III Ibero-American Biometry Meeting*, Barcelona, September 7-9, 2011 (Electronic ed., Number 101, 4 pages).

Oliveira, A. & T.A. Oliveira (2011). "Method for detection of mixtures of normal distributions with application to vine varieties". *HAICTA 2011: 5th International Conference on Information and Communication Technologies in Agriculture, Food and Environment*, 771-781.

Oliveira, T.A., Branco, F., Oliveira, A. & C.E. Minder (2011). "The impact of outliers on the power of the randomization test for two independent groups". In Simos, T. et al. (eds.) *AIP Conference Proceedings*, Vol. 1389 (*ICNAM 2011*), 1545-1548.

Oliveira, T.A. & A. Oliveira (2011) "Experimental Design: BIBD and PBIBD applications and links". *ENBIS 2011 Proceedings* (on-line).

Oliveira, T.A. & A. Oliveira (2011). "Exploring the links between the BIBD and PBIBD and mathematics", Faculty of Horticulture of Mendel University, Central Institute of Supervising and Testing in Agriculture. In Hampel, D. et al. (eds.), *Biometric Methods and Models in Current Science and Research*, 183-194.

Oliveira, M.R., Subtil, A., Gonçalves, L., "Confidence Intervals for Sensitivity and Specificity: a Comparison Study". In *Proceedings of XIII Spanish Biometry Conference and III Ibero-American Biometry Meeting*, Barcelona, September 7-9, 2011 (Electronic ed., Number 103, 4 pages).

Oliveira, D., Zea Bermudez, P., Figueiredo, J., Belo, S., Gonçalves, L. "Count models - an application to the study of the Schistosomiasis". In *Proceedings of XIII Spanish Biometry Conference and III Ibero-American Biometry Meeting*, Barcelona, September 7-9, 2011 (Electronic ed., Number 110, 4 pages).

Paulino, C. D. Silva, G. L. and Branco, M. (2011). "A Bayesian approach to cytogenetic dosimetry". In *Proceedings of XIII Spanish Biometry Conference and III Ibero-American Biometry Meeting*, Barcelona, September 7-9, 2011 (Electronic ed., Oral commun., Number 96, 6 pages)

Pereira, P.S., Turkman, K.F. (2011) "Spatial Point Processes Applied to the Study of Forest Fires In Portugal", In *Proceedings of the Spatial Data Methods for Environmental and Ecological Processes – 2nd Edition*, Foggia-Baia delle Zagare, Italy, (B.Cafarelli, ed.), 443-446.

Pestana, D., and D., Aleixo, S. (2011). "Stuttering Cantor-Like Random Sets", In Luzar-Stiffler, V., Jarec, I. and Bekic, Z. (eds.), *Proceedings of the ITI 2010, 32nd International Conference on Information Technology Interfaces*, 29-34.

Pestana, Pedro, "Lindenmayer systems and the harmony of fractals", *Proceedings of the Chaos 2011 — 4th Chaotic Modeling and Simulation International Conference*, http://www.cmsim.org/images/Proceedings_CHAOS_2011_P.pdf, p. 419-426.

Prata-Gomes, D. & M. Neves (2011). "Resampling methodologies and the estimation of parameters of rare events". In Simos, T. et al. (eds.) *AIP Conference Proceedings*, Vol. 1389 (ICNAM 2011), 1475-1478.

Ribeiro, C., Amaral Turkman, M.A. and Cardoso, J.C. (2011) "Bayesian Hierarchical Models: An analysis of Portugal Road Accident Data", In *Proceedings of the Spatial Data Methods for Environmental and Ecological Processes – 2nd Edition*, Italy, Foggia-Baia delle Zagare September, 01-02, (B.Cafarelli, ed.), 101-104.

Santos, Rui (2011). "Simulation Analysis of Statistical Properties of Random Polygonal Lines Iteratively Generate on the Plane", *Proceedings of the ITI 2011, 33rd International Conference on Information Technology Interfaces*, pp. 557-562

Sepúlveda, N. and Clark, T. (2011). "Detection of copy number variations using deep-sequencing data". In *Proceedings of XIII Spanish Biometry Conference and III Ibero-American Biometry Meeting*, Barcelona, September 7-9, 2011 (Electronic ed., Oral commun., Number 125, 4 pages).

Sepúlveda, N., Guindani, M., Paulino, C. D. and Mueller, P. (2011). "T-cell receptor diversity estimation through Poisson mixture models". In *Proceedings of XIII Spanish Biometry Conference and III Ibero-American Biometry Meeting*, Barcelona. September 7-9, 2011 (Electronic ed., Oral commun., Number 98, 4 pages)

Silva, G. L. and Dias, M. I. (2011). "Spatio-temporal analysis of forest fires in Portugal". In *Proceedings of XIII Spanish Biometry Conference and III Ibero-American Biometry Meeting*, Barcelona, September 7-9, 2011 (Electronic ed., Oral commun., Number 98, 4 pages).

Torres, M.O.,Neves, M. & D. Prata Gomes (2011) "Spatial Analysis of some soil physicochemical properties in mountainous massif of Sicó, Portugal". In Barbara Cafarelli (ed.), *Proceedings of SPATIAL 2: Spatial Data Methods for Environmental and Ecological Processes* (2nd Edition), 376-379.

Valente, V. & T.A. Oliveira (2011). "Hierarchical linear models: Review and applications". In Simos, T. et al. (eds.) *AIP Conference Proceedings*, Vol. 1389 (ICNAM 2011), 1549-1552.

2012

Andreozzi, V. (2012). "Beyond MCMC in fitting complex Bayesian models: The INLA method. Thematic Session Beyond the Basics Statistics in *Epidemiology on European Congress of Epidemiology*". 5-8 September, Porto, Portugal. *European Journal of Epidemiology*, Volume 27, suppl 1, pp: S7, 2012.

Araújo, L.B., Oliveira, M.M., Dias, T.T., Oliveira, A. and T.A. Oliveira (2012). "Tucker3 method in biometrical research: analysis of experiments with three factors, using R". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.), *Numerical Analysis and Applied Mathematics ICNAAM 2012*, AIP Conference Proceedings 1479, American Institute of Physics, 1728-1731, ISBN 978-0-7354-1089-3 (Invited talk by A. Oliveira).

Azevedo, S., Viegas, J., Aelenei, D., Papoila, A.L. and Mendes, A. (2012). "Environment and health in children day care centres results from phase I -preliminary analysis of buildings physical characteristics". *Proceedings of The 10th International Conference on Industrial Ventilation -Ventilation 2012*, 17-19 September 2012, Paris, France. (6 pages-edited in CD room).

Bernardino, J., Bispo, R., Costa, H. & Mascarenhas, M. (2012). "Are we properly assessing bird and bat mortality?" Online proceedings. *IAIA12 Energy Future: The Role of Impact Assessment*, Porto, Portugal.

Brilhante, F., Gomes, M.I. and Pestana, D. (2012). "A non-parametric double-bootstrap method for an adaptive MOP EVI-estimation". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.), *Numerical Analysis and Applied Mathematics ICNAAM 2012*, AIPConference Proceedings 1479, American Institute of Physics, 1708-1711, ISBN 978-0-7354-1089.

Brilhante, F, Gomes, M.I. and Pestana, D. (2012). "Extension of Panjer's iterative procedures and multifractals", 123-130, In Skiadas, C. *et al.*, *Proceedings 5th Chaotic Modeling and Simulation International Conference*.

Brilhante, M.F., Gomes, M.I. and Pestana, D. (2012). "Extensions of Verhulst Model in Population Dynamics and Extremes". In Skiadas, C. *et al.*, *Proceedings 5th Chaotic Modeling and Simulation International Conference*, 115-122

Caeiro, F. and Gomes, M.I. (2012). "A reduced bias estimator of a 'scale' second order parameter". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.), *Numerical Analysis and Applied Mathematics ICNAAM 2012*, AIP Conference Proceedings 1479, American Institute of Physics, 1114-1117, ISBN 978-0-7354-1089-3.

Cano, M., Nogueira, S., Papoila, A.L., Aguiar, F., Martins, P., Marques, J., Caires, I., Martins, J., Pedro, C., Paixão, P., Rosado-Pinto, J., Leiria-Pinto, P., Aelenei, D., Mendes, A., Teixeira, J.P., Proença, C. and Neuparth, N. (2012). "Indoor Air Quality in Portuguese Children Day Care Centers –ENVIRH Project". *Proceedings of the Second International*

Conference on Building Energy and Environment 2012, Boulder, Colorado, USA, 1-4 August 2012; pp. 414-421.

Chor, D., Andreozzi V., Fonseca M.J.M., Cardoso L.O., Faerstein E., Lopes C.S., James S.A. (2012). "Social inequalities in BMI trajectories in Rio de Janeiro, Brazil: 8-year follow-up of the Pró-Saúde Study cohort". *European Journal of Epidemiology*, Volume 27, suppl 1, pp: S33, 2012. *European Congress of Epidemiology*. 5-8 September, Porto, Portugal.

Cordeiro, C. and Neves, M. (2012). "How bootstrap can help in forecasting time series with more than one seasonal pattern". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.), *Numerical Analysis and Applied Mathematics ICNAAM 2012*, AIP Conference Proceedings 1479, American Institute of Physics, 1712-1715, ISBN 978-0-7354-1089-3.

Dias S.S., Andreozzi V., Martins M.O. (2012). "Portuguese HIV/AIDS in-hospital lethality". *European Journal of Epidemiology*, Volume 27, suppl 1, pp: S19, 2012. *European Congress of Epidemiology*. 5-8 September, Porto, Portugal.

Felgueiras, M.; Martins, J.; Santos, R. (2012). "Pseudo-convex Mixtures". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.) *Numerical Analysis and Applied Mathematics ICNAAM 2012*, American Institute of Physics, AIP Conf. Proc. 1479, 1125-1128, 2012 (doi: 10.1063/1.4756346).

Felgueiras, M.; Santos, R. (2012). "Exploring Pareto Scale Mixtures". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.) *Numerical Analysis and Applied Mathematics ICNAAM 2012*, American Institute of Physics, AIP Conf. Proc. 1479, 1121-1124. (doi: 10.1063/1.4756345).

Gomes, M.I., Caeiro, F. and Henriques-Rodrigues, L. (2012). "PORT-PPWM extreme value index estimation", 259-270. In Colubi, A., Fokianos, K., Kontoghiorghes, E.J. and González-Rodríguez, G. (eds.). *Proceedings of COMPSTAT 2012*, The International Statistical Institute/International Association for Statistical Computing, and abstract in E.J. Kontoghiorghes et al. (eds.),

Gonçalves, L. A. Subtil, N. Brites, M.R. Oliveira, A.M. Alho, M. Landum, J. Meireles, L.M. Madeira de Carvalho, S. Belo (2012). "Bayesian Latent Class Models in Veterinary and Human Epidemiology", 46th *Scientific Meeting of the Italian Statistical Society*, 8 pages.

Neves, M., Gomes, M.I., Figueiredo, F. and Prata-Gomes, D. (2012). "Modelling extreme events: sample fraction adaptive choice in parameter estimation". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.), *Numerical Analysis and Applied Mathematics ICNAAM 2012*, AIP Conference Proceedings 1479, American Institute of Physics, 1110-1113, ISBN 978-0-7354-1089.

Oliveira, T.A. (2012). Preface of the "Symposium on BE-SMART-biometry and extremes: Statistical modelling and R techniques". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.), *Numerical Analysis and Applied Mathematics ICNAAM 2012*, AIP Conference Proceedings 1479, American Institute of Physics, 1707. ISBN 978-0-7354-1089-3.

Oliveira, A., Oliveira, T.A. and Mejza, S. (2012). "Joint regression analysis and AMMI model applied to oat improvement". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.), *Numerical Analysis and Applied Mathematics ICNAAM 2012*, AIP Conference Proceedings 1479, American Institute of Physics, 1720-1723, ISBN 978-0-7354-1089-3.

Oliveira, T.A. and Oliveira, A. (2012). "Ineffectiveness of the FIM in selecting optimal BIB designs for testing block effects". In Colubi, A., Fokianos, K., Kontoghiorghes, E.J. and González-Rodríguez, G. (eds.). *Proceedings of COMPSTAT 2012*, 701-712, The International Statistical Institute/International Association for Statistical Computing.

Papoila, A.L., Ribeiro, C., São João, R., Galdes, C., Amaral-Turkman, M.A., Miranda, A. (2012). "Stomach cancer incidence in Southern Portugal 1998-2006: a Spatio-temporal analysis". *Proceedings of the VI International Workshop on Spatio-Temporal Modelling (METMA)*, Guimarães, Portugal, 12-14 September 2012. (4 pages-edited in CD-room).

Pestana, P., and Pestana, D. (2012). "Philip Glass' Façades—a Case Study on the Complexity of Music Scores", *Proceedings of Chaos 2012 —5th Chaotic Modeling and Simulation International Conference*, Atenas, p. 459-467.

Ramos, M.R., Carolino, E., Oliveira, T.A., Bicho, M. (2012). "Two-way MANCOVA: An application to public health". In T. E. Simos, G. Psihoyios, Ch. Tsitouras and Z. Anastassi (eds.), *Numerical Analysis and Applied Mathematics ICNAAM 2012*, AIP Conference Proceedings 1479, American Institute of Physics, 1716-1719, ISBN 978-0-7354-1089-3.

Rocha, J.L., and Aleixo, S.M. (2012) "Modeling Allee Effect from Beta(p,2) Densities", In *Proceedings of the ITI 2012, 34th International Conference on Information Technology Interfaces*, Eds. V. Luzar-Stiffler, I. Jarec, Z. Bekic, 2012, 461-466. (ISSN: 1330-1012, ISBN: 978-953-7138-24-0, IEEE Catalog Number CFP12498-PRT, DOI: 10.2498/iti.2012.0420).

Schilithz, A.O.C., Nobre, F.F., ANDREOZZI, V., Kale, P.L (2012). "Utilização de modelos de efeitos aleatórios na modelagem do ganho de peso em crianças menores de seis meses de idade". *Anais do XXIII Congresso Brasileiro em Engenharia Biomédica*, pp: 2544-2548. Porto de Galinhas 1-5 de Outubro, Recife, Brasil.

SOFTWARE and Algorithms

Nunes, B.; Natário, I.; Carvalho, L. (2009). R package flubase. <http://cran.r-project.org/web/packages/flubase/index.html>.

Gonçalves, M. H., Cabral, M. S., and Azzalini, A. (2010). bild: a package for Binary Longitudinal Data, Version 1.0. URL: <http://CRAN.R-project.org/package=bild>

Fortes, C.S., Amaral Turkman, M.A. and Sousa, L. (2012). R code for implementation of Algorithms 1 and 2. From "Arrow Plot: a new graphical tool for selecting up and down regulated genes and genes differentially expressed on sample subgroups". *BMC Bioinformatics* 13:147 (<http://www.biomedcentral.com/1471-2105/13/147/additional>)

Poleto, F., Singer, J., Paulino, C.D., Correa, F. and Jelihovschi, E. (2012). Package ACD: Categorical data analysis with complete or missing responses. Version 1.5. CRAN (Comprehensive R Archive Network).

BOOKS NATIONAL

2008

Carvalho, M. L. & Natário, I. (2008). *Análise de Dados Espaciais*. Sociedade Portuguesa de Estatística. (ISBN: 978-972-8890-18-6)

Pestana, D. D. e Velosa, S. (2008). "Introdução à Probabilidade e à Estatística", 3ª ed. revista e aumentada, 1164 pp., Calouste Gulbenkian Edition

2009

Canto e Castro, L. & Graça Martins, M.E. (2009). *Estatística Descritiva com Excel*, 73-153, Edições INE.

Figueiredo, F., Figueiredo A., Ramos, A. e Teles, P. (2009). *Estatística Descritiva e Probabilidades - Problemas resolvidos e propostos com aplicações em R*, Escolar Editora, 2ª edição (409 pgs.).

Rocha, C. e Papoila, A.L. (2009). *Análise de Sobrevivência*. Edições SPE, Lisboa.

2010

Antunes, M. (2010) *CRM e Prospecção de dados*. Edições CEAUL. ISBN: 978-989-8203-45-8 (144 pgs).

Gomes, M.I., Figueiredo, F. & Barão, M.I. (2010). *Controlo Estatístico da Qualidade*. Edições I.N.E. (xii+305 pages), 2ª edition, revised, ISBN: 978-972-8890-23-0, 2010

Pestana, D. D. e Velosa, S. (2010). *Introdução à Probabilidade e à Estatística*, 4ª ed. revista, 1164 pp., Calouste Gulbenkian Edition.

2011

Brilhante, M. F., Pestana, D. D., Rocha, J., Rocha, M. L., e Velosa, S. (2011). "Inferência Estatística Sobre a Localização Usando a Escala", XVIII+289 p., *Instituto Nacional de Estatística*, Lisboa.

Cabral, M. S. e Gonçalves, M. H. (2011). "Análise de Dados Longitudinais". *Sociedade Portuguesa de Estatística*. (ISBN: 978-972-8890-24-7)

Carvalho, MS; Andreozzi, VL; Codeço, CT; Campos, DP; Barbosa, MTS; Shimakura, SE. (2011). "Análise de Sobrevivência: Teoria e aplicações em saúde". Editora Fiocruz, Rio de Janeiro, Brazil. ISBN: 978-85-7541-216-9. 2ª edição (revista e ampliada). (<http://www.fiocruz.br/editora/cgi/cgilua.exe/sys/start.htm?inford=960&sid=52>) – BOOK

2012

Murteira, B. e Antunes, M. (2012). "Probabilidades e Estatística", Volume I. *Escolar Editora*, Lisboa, 501 p. ISBN:978-972-592-355-9.

Murteira, B. e Antunes, M. (2012). "Probabilidades e Estatística", Volume II. *Escolar Editora*, Lisboa, 612 p. ISBN:978-972-592-359-7.

Natário, I. (2012). "Probabilidades e Estatística". *Arquivo Escolar*.

Pereira, C. (2012). "Medicina Dentária Forense". Lisboa, Lidel.

Editions National

2008

Rosado, F. (2008) – *Boletim Primavera 2008 da Sociedade Portuguesa de Estatística* (editor). Edições SPE.

Rosado, F. (2008) – *Boletim Outono 2008 da Sociedade Portuguesa de Estatística* (editor). Edições SPE

2009

Rosado, F. (2009) – *Boletim Primavera 2009 da Sociedade Portuguesa de Estatística* (editor). Edições SPE.

Rosado, F. (2009) – *Boletim Outono 2009 da Sociedade Portuguesa de Estatística* (editor). Edições SPE.

2010

Rosado, F. (2010) – *Boletim Primavera 2010 da Sociedade Portuguesa de Estatística* (editor). Edições SPE

Rosado, F. (2010) – *Boletim Outono 2010 da Sociedade Portuguesa de Estatística* (editor). Edições SPE

2011

Rosado, F. (2011). “*Edição do Boletim SPE, Primavera 2011, Sondagens e Censos*” (102 pages).

Rosado, F. (2011). “*Edição do Boletim SPE, Outono 2011, Análise de Sobrevivência*” (104 pages).

2012

Rosado, F. (2012). Edição do *Boletim SPE, Primavera 2012, Estatística no Ensino Superior Politécnico*. Edições SPE. ISSN: 1646-5903. Depósito Legal: 249102/06 (72 pages).

Rosado, F. (2012). Edição do *Boletim SPE, Outono 2012*. Edições SPE. ISSN: 1646-5903. Depósito Legal: 249102/06 (68 pages).

PUBLICATIONS NATIONAL

2008

Diogo L, Papoila AL, Rodrigues LM. About Sensitive Skin in Portugal (2008). *Rev. Lusófona de Humanidades e Tecnologias da Saúde*, (5)2: 116-126.

Gentil Belard, Mário, Barata, Silvano e Papoila, Ana Luísa (2008). Consumo de drogas na marinha portuguesa: estudo de prevalência. *Toxicodependências*, vol. 14, 3, 59-65

Pestana, D., e Ventura, C. (2008). O Glossário de Expressões Estatísticas da SPE, uma Ferramenta (Também) para Tradutores, *Boletim da Sociedade Portuguesa de Estatística, Primavera*, 9-18.

Santos, Rui (2008). José de Sousa Pinto (1913), Episódios na História da Estatística do *Boletim da Sociedade Portuguesa de Estatística, Outono*, p. 12

Sousa Ferreira, A., Pires, R. Marques, A. e Danilo R. S.(2008). Análise do Índice de Millon dos Estilos de Personalidade - Edição Revista (MIPS-R) por uma abordagem multivariada. *Psychologica*, Revista da Faculdade de Psicologia e de Ciências da Educação da Universidade de Coimbra, 48, 25-46

2009

Andreozzi, V e Amaral Turkman, MA (2009) Inferência bayesiana no R através do WinBUGS. *Boletim SPE*, 88-94, Outono

Antunes, Joana, André, Marisa, Fraga, Ana, Soares de Almeida, L., Filipe, P. e Gomes, M. Marques (2009) Infiltração cutânea por Leucémia Linfocítica Crónica com padrão zoosteriforme, *Trab Soc Port Dermatol Venereol*; 67(3):447-451

Fraga Alves, M.I. (2009). Investigação (em) Estatística: CEAUL - Quem fomos, somos e para onde vamos. *Boletim da Sociedade Portuguesa de Estatística, Primavera*, 40-49

Gomes, M.I. (2009). Algumas reflexões avulsas sobre a Sociedade Portuguesa de Estatística. *Boletim SPE, Primavera de 2009*, 50-52

Henriques, C., Rosado-Ganhão, S., (2009) Estatística na Análise do Território in *Boletim da Sociedade Portuguesa de Estatística, Primavera*, 82-85-

MARQUES, T.A. (2009). Investigação (em) estatística: da biologia à estatística ou perdido no limbo. *Boletim da Sociedade Portuguesa de Estatística, Primavera*: 67-74

Nicolau R, Machado A, Nunes B, Falcão J. Análise da variação concelhia da mortalidade anual média por neoplasias malignas dos órgãos do aparelho respiratório e intratorácicos em Portugal Continental. *Revista Portuguesa de Saúde Pública*. VOL. 27– nº 2, 7-16.

Nogueira PJ, Nunes AR, Nunes B, Falcão JM, Ferrinho P. Internamentos hospitalares associados à onda de calor de Agosto de 2003: evidências de associação entre morbidade e ocorrência de calor. *Revista Portuguesa de Saúde Pública*. VOL. 27– nº 2, 87-102.

Rosado-Ganhão, S. (2009) Fractais na Arquitectura in *Revista Artitextos*. Nº8. Centro Editorial da Faculdade de Arquitectura, p. 261-271

Sepúlveda, N. (2009). Surfando nos mares da Biologia: peripécias de um jovem estatístico aspirante a biólogo. *Boletim SPE*, 75-81, SPE.

2010

Antunes, Marília (2010) CRM e Prospecção de Dados – ao seu serviço. *Boletim da Sociedade Portuguesa de Estatística, Primavera*, Volume I, p 34-39.

Carvalho ML & Natário I (2010). Uma perspectiva histórica da estatística espacial. *Boletim da Sociedade Portuguesa de Estatística, Outono*, Volume II., p.39-46.

De Zea Bermudez, P. and Mendes, Zilda (2010). Aplicação da teoria de valores extremos em Ciências Médicas: análise dos níveis elevados de colesterol total observados em Portugal, *Boletim da Sociedade Portuguesa de Estatística, Outono*, 65-70.

Ferreira A. e de Haan L. (2010) Processos Max-Estáveis: Uma caracterização simples e exemplos *Boletim da Sociedade Portuguesa de Estatística*, , 17-22. ,Outono 2010.

Paiva Miguel, Pedro Martins, Susana Carvalho, Marta Chambel, Anália Matos, Isabel Almeida, Ana Luísa Papoila, Nuno Neuparth, Paula Leiria Pinto (2010). Avaliação do controlo da asma: Utilização de diferentes métodos. *Rev.Port.Imunoalergologia*, 18 (3) 227-241.

Pestana, D. (2010). Devemos Acreditar em Análises Clínicas? *Salutis Scientia* 2, 4-14.

Ribeiro, M., Fouto, O. e Silva-Fortes, C. (2010). Técnicas de supressão de gordura: Estudo comparativo em Ressonância Magnética mamária. *Acta Radiológica Portuguesa*, Vol. XXII, nº85, 15-26

Ribeiro, M., Fouto, O., Correia, M. e Silva-Fortes, C. (2010). Avaliação da Qualidade de imagem em RM mamária: uma análise comparativa entre Técnicas de aquisição linear e paralelo. *Acta Radiológica Portuguesa*, vol XXII, nº85, 27-36

Sampaio, T., Zwolinski, J e Neves M. - (2010). ``A Análise de Dados Espaciais em duas áreas das Ciências Biológicas''. *Boletim Sociedade Portuguesa Estatística, Outono*, 2010, 29:38.

Silva, G.L. (2010). Análise bayesiana de modelos espaço-temporais aditivos. *Boletim da Sociedade Portuguesa de Estatística*, 23-28, Volume II.

2011

Aleixo, S., Brilhante, M. F., Diamantino, M. F., Mendonça, S, e Pestana, D. (2011). “Erros Não Amostrais — Uma Floresta de Enganos”, *Boletim Sociedade Portuguesa Estatística, Primavera*, 53-68.

Andreozzi, V. (2011). “Sobrevivência no R” *Boletim Sociedade Portuguesa Estatística, Outono 2011*, 73-80.

Dionísio E., M. P. G. Dias, C. Martins, M. Pereira, L. Pereira-da-Silva, D. Virella, A. L. Papoila, M. Alves, G. Cordeiro Ferreira (2011). “Percentagem da massa gorda medida por pletismografia por deslocação de ar, pregas cutâneas e bioimpedância eléctrica bipolar, em crianças e adolescentes com excesso de peso ou obesidade”. *Portuguese Journal of Nephrology and Hypertension*, 25, N1, p 55.

Oliveira, T.A. (2011). “Planos em blocos incompletos equilibrados (BIB e PBIB designs): na fronteira entre a Estatística e a Matemática”. *Boletim da Sociedade Portuguesa de Matemática*, Número Especial (Actas do Encontro Nacional da SPM 2010),238-246.

Papoila, A.L. (2011) “Censura intervalar: modelação de dados do estado actual”, *Boletim Sociedade Portuguesa Estatística, Outono 2011*, 35-46.

Rocha, C. “Modelos com fragilidade: aplicação à modelação da heterogeneidade não observada”, *Boletim Sociedade Portuguesa Estatística, Outono 2011*, 26-34.

Sepúlveda, N. (2011). “Quando a Estatística se põe à conversa sobre Futebol e Diversidade”. *Boletim Sociedade Portuguesa Matemática* (edição especial), 215-221.

Silva AR, Camões T, Neves R, Pereira-da-Silva L, Moreira AC, Virella D, Papoila AL, Alves M, Serelha M, Mendes L, Cordeiro Ferreira G. (2011) “Qual o efeito do consumo de ácidos gordos polinsaturados de cadeia longa durante a gravidez na composição corporal do recém-nascido de termo? Resultados preliminares”. *Revista da Associação Portuguesa de Nutrição Entérica e Parentérica*; 5:72-9.

2012

Araújo Santos, P., Soares Lopes, M.V. e Vieira de São João, R.M. (2012). A Estatística no Instituto Politécnico de Santarém. *Boletim da Sociedade Portuguesa de Estatística, Primavera*, Edições SPE, 57-58.

Figueira-Neves, M. (2012). A Estatística e a Investigação no Instituto Politécnico da Guarda. *Boletim da Sociedade Portuguesa de Estatística, Primavera*, Edições SPE, 48-56.

Gonçalves, L. (2012). “A Amostragem por Tempo-Local no Estudo de Populações de Difícil Acesso”. *Boletim Sociedade Portuguesa Estatística, Outono*, pp. 19-25.

Henriques-Rodrigues, L., Grilo, L.M., Carvalho, F. e Pitacas, I. (2012). Instituto Politécnico de Tomar. *Boletim Sociedade Portuguesa de Estatística, Primavera*, 17-23

Maio, P., Antunes, J., Pacheco, D., Soares de Almeida, L. and Marques, M. S. (2012). “Nevos Recorrentes – Uma Revisão de 5 Anos”. *Revista da SPDV* 70 (2): 183-187.

Matos, A.C. Gaspar, M. Duarte, P. Marques, I. Poças, C. Silva-Fortes, L. Queirós, A. Bivar (2012). “Perimetria de Hiperacuidade Preferencial no estudo do Edema Macular Diabético”, *Ciência & Tecnologia* 8, pp. 31-35, Novembro 2012.

Gouveia, E. R., Maia J. A., Beunen, G. P., Blimkie, C. R., Gouveia, B. R., Velosa S. F., and Freitas D. L. (2012). “Uma Comparação da Aptidão Funcional de Mulheres Idosas Portuguesas e Brasileiras.” *Revista Mineira de Educação Física* 2(7):1208-18.

Ribeiro, M.H., Martins, M. A. e Santos, R. (2012). “A Regressão Linear Simples no Ensino Secundário”. *Gazeta de Matemática* 168, p. 42-48.

PROCEEDINGS NATIONAL

2008

Caeiro, F. & Gomes, M.I. (2008). Caudas pesadas: t de Student e variants assimétricas versus metodologia semi-paramétrica. In Hill, M.M. et al. (eds.), *Estatística: da Teoria à Prática*, (Actas XV Congresso Anual da SPE), Edições S.P.E., 127-136

Felgueiras, M. (2008). Considerações sobre a Distribuição Pareto. In Hill, M.M. et al. (eds.), *Estatística: da Teoria à Prática* (Actas XV Congresso Anual da SPE), Edições S.P.E., 193-202, 2008.

Ferreira, M. & Canto e Castro, L. (2008). Distribuição estacionária e comportamento extremal de um processo RARMAXp. In Hill, M.M., Ferreira, M.A., Dias, J.G., Salgueiro, M.F., Carvalho, H., Vicente, P. E Braumann, C. (eds.), *Estatística: da Teoria à Prática* (Actas XV Congresso Anual da SPE), 203-214.

Figueiredo, F. & Gomes, M.I. (2008). Monitorização de um processo de produção de rolhas — comparação da performance das cartas de controlo tradicionais com a de cartas robustas. In Hill, M.M. et al. (eds.), *Estatística: da Teoria à Prática*, Edições S.P.E., 245-258

Henriques-Rodrigues, L. (2008). Estimação do índice de cauda em modelos de caudas pesadas acomodação do vies nos excessos acima de um “threshold” elevado. In Hill, M.M. et al. (eds.), *Estatística: da Teoria à Prática* (Actas XV Congresso Anual da SPE), 45-69 (Prémio SPE), Edição SPE

Machado, C., Paulino, C.D. e Nunes, F. (2008). Análise multidimensional da pobreza em Portugal com base em modelos bayesianos de classes latentes. Em *Estatística da*

Teoria à Prática (Actas do XV Congresso Anual da Sociedade Portuguesa de Estatística), 277-287, SPE

Martins, J. e Mendonça, S. (2008). Transformações estabilizadoras da variância. ", In *Estatística da Teoria à Prática*, Hill, M.M. et al. (eds.) Actas do XV Congresso Anual da Sociedade Portuguesa de Estatística, Edições SPE, Lisboa, 343-350

Monteiro, S., Oliveira, T.A. (2008). Estruturas dos Planos Factoriais Fraccionados de Base Dois. ", In *Estatística da Teoria à Prática*, Hill, M.M. et al. (eds.) Livro de Actas do XV Congresso Anual da SPE, Edições SPE, 2008, pp. 375-389

Poleto, F., Singer, J. e Paulino, C.D. (2008). Análise log-linear em dados categorizados estratificados com respostas omissas. In *Estatística da Teoria à Prática*, Hill, M.M. et al. (eds.) (Actas do XV Congresso Anual da Sociedade Portuguesa de Estatística), 437-450, SPE.

Sepúlveda, N., Paulino, C.D. e Carneiro, J. (2008). Diversidade de linfócitos T Reguladores e Efectores. Em *Estatística da Teoria à Prática* (Actas do XV Congresso Anual da Sociedade Portuguesa de Estatística), Hill, M.M. et al. (eds.) 513-523, SPE

Silva-Fortes, C., Hernandez, E.B., Sousa, L., Amaral Turkman, M.A. and Gama-Carvalho, M. (2008). Análise por microarrays de complexos ribonucleoproteicos: normalização e selecção de genes com associação diferencial. In *Estatística, da Teoria à Prática: Actas do XV Congresso Anual da SPE* (Hill et al. Eds.), Edições SPE, p. 537-547

Suleman, A., Reis, E. & Gomes, M.I. (2008). Estimacção multinomial: uma nova proposta pseudo-Bayesiana. In Hill, M.M. et al. (eds.), *Estatística: da Teoria à Prática*, Actas do XV Congresso Anual da SPE Edições S.P.E., 549-559

2009

Bispo, R. & Pinto, F. (2009). Modelacção de contagens com excesso de zeros: aplicacção à análise do absentismo no trabalho. In Oliveira, I., M.M. et al. (eds.), *Estatística: Arte de Explicar o Acaso*. Actas do XVI Congresso da Sociedade Portuguesa de Estatística. Edições SPE, 157-166.

Caeiro, F. Gomes, M.I. & Pestana, D. (2009). Alguns resultados adicionais sobre a variância de um estimador de viés reduzido do índice de cauda. In Oliveira, I., M.M. et al. (eds.), *Estatística: Arte de Explicar o Acaso*. Actas do XVI Congresso da Sociedade Portuguesa de Estatística Edições S.P.E., 167-177.

Castel-Branco, Marta, Antunes, Marília, Cara d'Anjo, Andrea e Bernardo, Fernando (2009). Factores de risco associados à prevalência de Salmonella em exploracções de frangos destinados à produçao de carne em Portugal. In Oliveira, I., M.M. et al. (eds.),

Estatística: Arte de Explicar o Acaso Actas do XVI Congresso da Sociedade Portuguesa de Estatística, Edições SPE, 187-194.

Correia, E. e Amaral Turkman, MA (2009) Inferência Bayesiana na Razão de Médias com Precisões Desconhecidas. In Oliveira, I., M.M. et al. (eds.), *Estatística: Arte de Explicar o Acaso*, Actas do XVI Congresso da Sociedade Portuguesa de Estatística Edições SPE, 2009, pp. 195-204

Dias, I.S., Silva, G.L. e Louro, C. (2009). Análise bayesiana do efeito da poluição atmosférica na admissão hospitalar de crianças com problemas respiratórios no Barreiro. Em Irene Oliveira, Elisete Correia, Fátima Ferreira, Sandra Dias e Carlos Braumann (Editores), *Estatística: Arte de Explicar o Acaso*, Actas do XVI Congresso Anual da SPE, Edições SPE, 217-224.

Figueiredo, F.O. & Gomes, M.I. (2009). Estimação das normas de um processo na fase inicial de implementação de uma carta de controlo. In Oliveira, I., M.M. et al. (eds.), *Estatística: Arte de Explicar o Acaso*, Actas do XVI Congresso Anual da SPE, Edições S.P.E., 287-298

Figueiredo, A., Figueiredo, F. e Monteiro, N.P. (2009). Partilha de rendas nos bancos privatizados em Portugal. Em Irene Oliveira et al. (eds.), *Estatística - Arte de Explicar o Acaso*, Actas do XVI Congresso Anual da SPE, Edições S.P.E, 275-286.

Goes, M. & Natário, I. & Oliveira, M. M. & Bonito, J (2009). Educação Factores Risco Institucionalização Idoso: um Estudo Distrito Beja. Actas do II Congresso Nacional de Educação para a Saúde. Centro de Investigação em Educação e Psicologia da Universidade de Évora, pp. 703-714.

Gomes, M.I. & Pestana, D. (2009). Caudas leves em desporto: estimação de parâmetros úteis. In Oliveira, I., M.M. et al. (eds.), *Estatística: Arte de Explicar o Acaso*, Actas do XVI Congresso Anual da SPE , Edições S.P.E., 307-318

Henriques-Rodrigues, L. & Gomes, M.I. (2009). A metodologia PORT na estimação semi-paramétrica de um parâmetro de escala. In Oliveira, I., M.M. et al. (eds.), *Estatística: Arte de Explicar o Acaso*, Actas do XVI Congresso Anual da SPE Edições S.P.E., 559-570

Mendonça, S., Malva, M., e Pestana, D. (2009). "Expansões de Edgeworth e aproximações pré-assintóticas" In Oliveira, I., Correia, E., Ferreira, F., Dias, S, e Braumann, C (eds.) *Estatística: Arte de Explicar o Acaso*, Actas do XVI Congresso Anual da SPE SPE, 429-436

Miranda, M.C. & Gomes, M.I. (2009). Comparação de estimadores do índice de cauda em estruturas dependentes. In Oliveira, I., M.M. et al. (eds.), *Estatística: Arte de Explicar o Acaso*, Actas do XVI Congresso Anual da SPE Edições S.P.E., 437-443

Monteiro, S., Oliveira, T.A. (2009). Construção de fracções nos planos factoriais de base dois In Oliveira, I., M.M. *et al.* (eds.), *Estatística: Arte de Explicar o Acaso*, Actas do XVI Congresso Anual da SPE Edições S.P.E., 2009, pp. 457-464

Neves, M. e Santos, J.A.(2009). Modelação e estimação não paramétrica e semiparamétrica'. in *Estatística. Arte de Explicar o Acaso* (Irene Oliveira, et al. eds) Actas do XVI Congresso Anual da Sociedade Portuguesa de Estatística, SPE, 59-79

Paulino, C. D. (2009). Dados categorizados com omissão num quadro Produto de Multinomiais: uma panorâmica de métodos de análise. Artigo convidado em *Estatística: Arte de explicar o acaso* (Irene Oliveira, et al. eds) Actas do XVI Congresso Anual da Sociedade Portuguesa de Estatística, 81-106, SPE

Ribeiro, M., Silva-Fortes, C. e Carvalho, A. (2009). Análise comparativa do controlo de qualidade em ressonância magnética em instituições de saúde nacionais e internacionais. In *Estatística e Qualidade na Saúde: novos rumos, novos desafios*, (Cunha, G. and Varanda, J. Eds.)110-122.

Santos, Rui e Pestana, Dinis (2008). Distância entre os extremos de uma linha poligonal "ao acaso", Arte de Explicar o Acaso - Actas do XVI congresso da Sociedade Portuguesa de Estatística, In Oliveira, I., Correia, E., Ferreira, F., Dias, S, e Braumann, C (eds.) p. 591-602

Sepúlveda, N. (2009). Abordagem por Penetrâncias Alélicas: uma nova modelação estatística para a análise de fenótipos binários complexos. Prémio SPE in *Estatística: Arte de explicar o acaso*, (Irene Oliveira, et al. eds). Actas do XVI Congresso Anual da Sociedade Portuguesa de Estatística, 109-129, SPE.

Soares de Almeida, L, Pestana, D., e Marques Gomes, M. (2009). "Evolução da actividade do Laboratório de Histopatologia Cutânea do Serviço de Dermatologia do Hospital de Santa Maria — uma comparação de três lustros", em G. Cunha e J. Varanda (eds.), *Estatística e Qualidade na Saúde: Novos Rumos, Novos Desafios*, Instituto Nacional de Estatística, Lisboa, 74-90

Silva-Fortes, C., Turkman, MA and Sousa, L. (2009). Avaliação da capacidade preditiva de testes de diagnóstico de cancro pancreático. In *Estatística e Qualidade na Saúde: novos rumos novos desafios* (Cunha, G. and Varanda, J. Eds.) 161-169

Sousa, A.; Nicolau, F.; Bacelar-Nicolau, H. (2009). Análise Classificatória de Dados "Three-Way": uma aplicação a dados reais. In: Oliveira, I. e tal. Eds. Actas do XVI Congresso Anual da Sociedade Portuguesa de Estatística, 2008, Edições S.P.E., 673-682

Trigueirão. E., Gonçalves, H., Cabral, M.S. (2009). Análise Estatística de dados longitudinais discretos numa experiência sobre a influência de lípidos no adenocarcinoma mamário. *Estatística e Qualidade na Saúde: Novos rumos Novos desafios*. In Cunha, G, e Varanda, J. (eds), 22-29

2011

Brilhante, M. F., Pestana, D., e Rocha, M. L. (2011), "Béticas", *Boletim da Sociedade Portuguesa de Matemática*, Número Especial (Actas do Encontro Nacional da SPM 2010), 238-246.

Felgueiras, M. (2011). "Mistura de gaussianas e distribuição t de Student em Finanças". *Boletim da Sociedade Portuguesa de Matemática*, Número Especial (Actas do Encontro Nacional da SPM 2010), 210-214.

Oliveira, T.A. (2011). "Planos em blocos incompletos equilibrados (BIB e PBIB designs): na fronteira entre a Estatística e a Matemática". *Boletim da Sociedade Portuguesa de Matemática*, Número Especial (Actas do Encontro Nacional da SPM 2010), 238-246.

Santos, J.A. & M.M. Neves (2011). "A semiparametric model of the logistic regression". *Boletim da Sociedade Portuguesa de Matemática*, Número Especial (Actas do Encontro Nacional da SPM 2010), 197-203.

Silva, M.C.R., Diamantino, F., Oliveira M. (2011) – "Bacia Hidrográfica de Alcântara (Lisboa), um caso de estudo da água subterrânea em meio urbano". *Livro de actas do VIII Cong. Iber. Geoq. - XVII Sem. Geoq. - II Vol.* Editores: Antunes I.M.H.R., Almeida J.P.F., Albuquerque M.T.D., IPCB, Castelo Branco, 651-655.

Santos, Rui (2011). "Probabilidade Circa 1914 e a Construção de Diogo Pacheco d'Amorim", *Actas do V Encontro Luso-Brasileiro de História das Matemáticas*, pp. 75-87.

2012

Viegas, J., Papoila, A.L., Martins, P., Aelenei, D., Cano, M., Proença, C., Teixeira, J., Nogueira, S., Mendes, A., Pinto, A., Paixão, P., Rosado-Pinto, J. e Neuparth, N. (2012). "Ventilação, qualidade do ar e saúde em creches e infantários: resultados preliminares do projecto ENVIRH". *Actas do Congresso Construção 2012, 4º Congresso Nacional*, 18-20 de Dezembro de 2012, Coimbra, Portugal. (12 páginas-editado em CD-room).

Ph.D. THESES

2008

Aleixo, Sandra "Métodos Analíticos em Probabilidade e Métodos Probabilísticos em Análise: Fractalidade Associada aos Modelos Beta(P,q), Evolução de Populações e

Dimensões de Hausdorff". Local: Universidade de Lisboa; Supervisors: José Leonel Rocha and Dinis Pestana.

Correia, Elisete Maria Rodrigues, February 2008 'O Papel de Distribuições Condicionalmente Especificadas em Estatística Bayesiana', Local: Universidade de Lisboa, Supervised by: MariaAntónia Amaral Turkman

Diamantino, Fernanda "Contribuição ao Estudo de Dados em Falta", Local: Universidade de Lisboa, Supervisors: Dinis Pestana.

Ferreira, Marta. "Extremos em Séries Temporais Max-Autoregressivas". Local: Universidade de Lisboa, Supervisor: L. Canto e Castro.

Prata Gomes, Dora "Métodos Computacionais na Estimação Pontual e Intervalar do Índice Extremal". Local: Universidade Nova de Lisboa, Supervisors: M. M. Neves e J. Tiago Mexia.

Santos, Rui Sousa: "Probabilidade Circa 1914 e a Construção de Pacheco d'Amorim", Local: Universidade de Lisboa, Supervisor: Dinis Pestana.

Zhou, Chen. "On Extreme Value Statistics". Local: Erasmus University Rotterdam. Supervisors: Casper de Vries & Laurens de Haan.

2009

Roçadas, Cláudia, Pairwised populations with periodical classification: Application to Credit Rating, PhD Thesis in Mathematics-Statistical Modelling, Local: Universidade Aberta. Supervisor: Teresa Oliveira, João Tiago Mexia, disc.2009

Felgueiras, Miguel: "Modelação Estatística com Misturas e Pseudo-Misturas", Local: Universidade de Lisboa, Supervisor: Dinis Pestana.

Henriques-Rodrigues, Lígia. "Estimação de Viés Reduzido em Estatística de Extremos". Local: Universidade de Lisboa, Supervisor: M. Ivette Gomes.

Martins, João Paulo: "Feira dos Momentos — Planeamento Experimental e Investigação de Localização e Escala em Populações não Gaussianas", Local: Universidade de Lisboa, Supervisor: Dinis Pestana and Sandra Mendonça.

Sequeira, Fernando: "Meta Análise — Harmonização de Testes Usando os Valores de Prova", Local: Universidade de Lisboa, Supervisors: Dinis Pestana and Sílvio Velosa.

2010

Caneco, Acilina do Nascimento, Sincronização Caótica de Sistemas Dinâmicos não Lineares Acoplados, Doutorado em Matemática, Local: Departamento de Matemática da Escola de Ciências e Tecnologia da Universidade de Évora (supervisors: J. L. Rocha and Maria Clara Grácio, UE), 29 de Abril de 2010.

Ramos, S. (2010) Métodos Estatísticos de Screening em Classificação Supervisionada, Ph.D. thesis, Local: Universidade de Lisboa, December 2010. Supervised by M A Amaral Turkman and Marília Antunes

Rocha, Maria Luísa Ph. D. in 2010, Thesis title: "Modelos e Evidência Empírica na Limitação de Riscos Financeiros", Local: Universidade dos Açores (co-supervisors: António de Menezes, Dinis Pestana and Maria de Fátima Brilhante)

2011

Araújo-Santos, Paulo. "Excesses, Durations and Forecasting Value-at-Risk". Doutorado em Estatística e Investigação Operacional, Ramo de Probabilidade e Estatística, Local: Universidade de Lisboa, 2011., Supervisor M. Isabel Fraga Alves

Barreto Hernández, Emiliano "Statistical Methodologies for the Analysis and Normalization of RIP-CHIP Data", October 2011. PhD Thesis in Biostatistics and Bioinformatics, Local: DEIO – FCUL, Universidade de Lisboa, supervised by Lisete Sousa

Cordeiro, Clara Maria Henrique. "Métodos de Reamostragem e Previsão em Séries Temporais". Doutorado em Matemática, Ramo de Estatística, Local: Instituto Superior de Agronomia, Universidade Técnica de Lisboa, 2011, Supervisor: M.Manuela Neves.

Poleto, F. (2011). Análise de Dados Categorizados com Omissão em Variáveis Explicativas e Respostas. PhD Thesis, Department of Statistics, Local: University of São Paulo, April 2011. Supervised by Julio Singer and C. D. Paulino. Thesis awarded with Prémio Casimiro Montenegro Filho, edição 2011, da Secretaria de Assuntos Estratégicos da Presidência da República do Brasil.

Rebouças, Sílvia Pedro Rebouças, "Metodologias de Classificação Supervisionada para Análise de Dados de Microarrays", June 2011. PhD Thesis in Probability and Statistics, Local: DEIO – FCUL, Universidade de Lisboa, supervised by Lisete Sousa and Ana Pires

Santos Branco, Fernando José. "Investigação Experimental: Potência Estatística dos Testes de Aleatorização na Comparação de dois Grupos Independentes".

Doutoramento em Matemática, Planeamento de Experiências, Local: Universidade Aberta, 2011, Supervisor: Teresa Oliveira

Vicente, Leonel Silva,. 'Modelos Bayesianos Hierárquicos no Planeamento de Recursos Humanos', November 2011, PhD Thesis in Probability and Statistics,Local: DEIO – FCUL,Universidade de Lisboa, Supervised by Kamil Feridun Turkman

2012

Carita, Regina Maria 2012 'Estimating Wildlife Mortality at Wind Farms: Accounting for Carcass Removal, Imperfect Detection and Partial Coverage' Local: Universidade de Lisboa, Supervisors: Dinis Pestana e Tiago A. Marques

Dias, Sara Marques Simões, 2012 Modelling HIV/AIDS length of stay in Portugal, Local: ISEGI, Universidade Nova de Lisboa, supervised by Rosário Oliveira and Valeska Andreozi

Inácio, Vanda Calhau, 2012 'Semiparametric and Nonparametric Modeling of Diagnostic Data', Local: Universidade de Lisboa, Supervisor: Maria Antónia Amaral Turkman

Nunes, Baltazar. Statistical methods for modeling and nowcasting the impacts of influenza epidemics.[dissertation]. [Lisboa]: PhD Thesis in Probability and Statistics, Local: DEIO – FCUL, Universidade de Lisboa, Supervised by Lucília Carvalho and Isabel Natário (exam in 2 Feb 2012).

Reis, Paula. “Modelos Limite para a Fiabilidade de Sistemas de Grande Dimensão”. Doutoramento em Estatística e Investigação Operacional, Ramos de Probabilidade e Estatística, Local: Universidade de Lisboa, Supervisor: Luísa Canto e Castro e Caldeira Durate.

Silva Fortes, Carina 2012 'Aplicação da Metodologia ROC na Análise de Dados de Microarrays' Local: Universidade de Lisboa. Supervisors: Maria Antónia Turkman e Lisete Ribeiro de Sousa