

DEPARTAMENTO DE
ESTADISTICA

DEPARTAMENTO DE ESTADISTICA

Actividades de investigación

Tesis Doctorales

- Bootstrap forecast densities in univariate and multivariate volatility models
Autores: TRUCIOS, C.
Director/Codirectores: RUIZ, E.
Universidad: UNIVERSIDADE ESTADUAL DE CAMPINAS
Centro donde se presentó: Instituto de matematica, estadistica e computacao científica
Año: 2016

- Discovering common features in a large set of disaggregates. Methodology, modeling and forecasting
Autores: CARLOMAGNO, G.
Director/Codirectores: ESPASA, A.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2016

- Dynamic portfolio selection with transaction costs and estimation error
Autores: MEI, X.
Director/Codirectores: NOGALES, F. J.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2016

- Essays on Expected Equity Returns and Volatility: Modeling and Prediction
Autores: DE ALMEIDA, D.
Director/Codirectores: RUIZ, E.; FUERTES, A.M.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE GETAFE
Año: 2016

- Estimación de Tablas de Mortalidad Dinámicas y Análisis Actuarial del Riesgo de Longevidad
Autores: BENCHIMOL, A.G.
Director/Codirectores: MARIN, J.M.; ALBARRAN, I.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2016

- Gráficos de control EWMA adaptativos con parámetro de suavizado variable en el tiempo.
Autores: UGAZ, W.E.
Director/Codirectores: ALONSO, A.M.; SANCHEZ, I.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2016

- New estimation methods for high dimensional inverse covariance matrices
Autores: AVAGYAN, V.
Director/Codirectores: ALONSO, A.M.; NOGALES, F. J.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2016

- Optimal design of nonlinear multifactor experiments
Autores: HUANG, Y.
Director/Codirectores: MYLONA, K.
Centro donde se presentó: University of Southampton
Año: 2016

- Smooth Generalized Linear Models for Aggregated Data
Autores: AYMA, D.A.
Director/Codirectores: DURBAN, M. L. ; LEE, D.-J.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2016

- Support vector machine tools for multi-class classification problems
Autores: LIU, L.
Director/Codirectores: PRIETO, F.J.; MARTIN, B.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2016

- The Multivariate Directional Approach: High Level Quantile Estimation and Applications to Finance and Environmental Phenomena
Autores: Torres, R.
Director/Codirectores: LILLO, R.E.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE LEGANES
Año: 2016

- Topics in density forecast in stationary parametric univariate time series models
Autores: GONÇALVES, J.H.
Director/Codirectores: RUIZ, E.; LOPES MOREIRA, M.H.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Centro donde se presentó: CAMPUS DE GETAFE
Año: 2016

Publicaciones y actividades de difusión de resultados

Publicaciones en revistas científicas nacionales

- CASCOS, I.; MOLCHANOV, I.
Multivariate risk measures: a constructive approach based on selections, *Mathematical Finance*, Vol. 26, Núm. 4, 2016, pp. 867-900, ESPAÑA.

- TORABI, H.; MONTAZERI, N.H.; GRANE, A.
A test for normality based on the empirical distribution function, *Statistics and Operations Research Transactions*, Vol. 40, Núm. 1, 2016, pp. 55-87, ESPAÑA.

Publicaciones en revistas científicas internacionales

- ABAD, P.; BENITO, S.; LOPEZ, C.; SANCHEZ , M.
Evaluating the performance of the skewed distributions to forecast value-at-risk in the global financial crisis, *Journal of risk*, Vol. 18, Núm. 5, 2016.
- AGUILERA, A.M.; AGUILERA, M.D.C.; PREDA, C.
Penalized versions of functional PLS regression, *Chemometrics and intelligent laboratory systems*, Vol. 154, 2016, pp. 80-92, HOLANDA - PAISES BAJOS.
- ALONSO, A.M.; BASTOS, G.; GARCIA-MARTOS, C.
Electricity price forecasting by averaging dynamic factor models, *Energies*, Vol. 9, Núm. 8, 2016, NACION DESCONOCIDA.
- ARMERO, C.; CABRAS, S.; CASTELLANOS, M.E.; PERRA, S.; QUIRÓS, A.; ORUEZABAL, M.J.; SANCHEZ-RUBIO, J.
Bayesian analysis of a disability model for lung cancer survival, *Statistical methods in medical research*, Vol. 25, Núm. 1, 2016, pp. 336-351, REINO UNIDO.
- AYMA, D.A.; DURBAN, M. L . ; LEE, D.-J.; EILERS, P.H.C.
Penalized composite link models for aggregated spatial count data: A mixed model approach, *Spatial statistics*, Vol. 17, 2016, pp. 179-198.
- BAHAMONDE, N.; LOPES MOREIRA, M.H.
A robust closed-form estimator for the GARCH(1,1) model, *Journal of statistical computation and simulation*, Vol. 86, Núm. 8, 2016, pp. 1605-1619, ESTADOS UNIDOS DE AMERICA.
- BARBOSA, S.M.; GOUVEIA, S.; GONZALEZ, M. ; ALONSO, A.M.
Wavelet-Based Clustering of Sea Level Records, *Mathematical geosciences*, Vol. 48, Núm. 2, 2016, pp. 149-162.
- CABRAS, S.
A Markov chain representation of the multiple testing problem, *Statistical methods in medical research*, Vol. 25, Núm. 1, 2016, pp. 1-25, REINO UNIDO.
- CABRAS, S.; CASTELLANOS, M.E.; STAFFETTI, E.
A random forest application to contact-state classification for robot programming by human demonstration, *Applied Stochastic Models in Business and Industry*, Vol. 32, Núm. 2, 2016, pp. 209-227, REINO UNIDO.
- CABRAS, S.; COMANDINI, O.; MARINI, E.
Birth registration and child undernutrition in sub-saharan Africa, *Public Health Nutrition*, Vol. 19, Núm. 10, 2016, pp. 1757-1767.

- CABRAS, S.; TENA. J.D
A Bayesian non-parametric modeling to estimate student response to ICT investment, *Journal of applied statistics*, Vol. 43, Núm. 14, 2016, pp. 2627-2642, REINO UNIDO.

- CARNERO, M. A. ; PEREZ, A.; RUIZ, E.
Identification of asymmetric conditional heteroscedasticity in the presence of outliers, *Series. Journal of the Spanish Economic Association*, Vol. 7, Núm. 1, 2016, pp. 179-201, ALEMANIA.

- CASCOS, I.; LOPEZ, M.
On the uniform consistency of the zonoid depth, *Journal of Multivariate Analysis*, Vol. 143, 2016, pp. 394-397, ESTADOS UNIDOS DE AMERICA.

- D AURIA, B.; ADAN, I.
Sojourn time in a single-server queue with threshold service rate control, *SIAM Journal on Applied Mathematics*, Vol. 76, Núm. 1, 2016, pp. 197-216.

- David Delgado Gomez; BACA, E.; AGUADO, D.; COURTET, P.; LÓPEZ, J.
Computerized Adaptive Test vs. decision trees: Development of a support decision system to identify suicidal behavior, *Journal of affective disorders*, Vol. 206, 2016, pp. 204-209.

- David Delgado Gomez; CARMONA, C.; BAYONA, S.; ARDOY, J.; AGUADO, D.; BACA, E.; LOPEZ, J.
Improving impulsivity assessment using movement recognition: A pilot study, *Behavior Research Methods*, Vol. 48, Núm. 4, 2016, pp. 1575-1579.

- DE LA CRUZ, R.; MEZA, C.; ARRIBAS, A.; CARROLL, R.J.
Bayesian regression analysis of data with random effects covariates from nonlinear longitudinal measurements, *Journal of Multivariate Analysis*, Vol. 143, 2016, pp. 94-106, ESTADOS UNIDOS DE AMERICA.

- DEL GIACCO, S.R.; CAPPAI, A.; GAMBULA, L.; CABRAS, S.; PERRA, S.; MANCONI, P.E.; CARPINIELLO, B.; PINNA, F.
The asthma-anxiety connection, *Respiratory medicine*, Vol. 120, 2016, pp. 44-53.

- FLORES, R.; MOLINA, E. ; TEJADA, J.
Assessment of groups in a network organization based on the Shapley group value, *Decision support systems*, Vol. 83, 2016, pp. 97-105, HOLANDA - PAISES BAJOS.

- FRESOLI, D.E.; RUIZ, E.
The uncertainty of conditional returns, volatilities and correlations in DCC models, *Computational statistics and data analysis*, Vol. 100, 2016, pp. 170-185, HOLANDA - PAISES BAJOS.

- GARCIA, E.; VAN KEILEGOM, I.; CRUJEIRAS, R.M.; GONZALEZ-MANTEIGA, W.
Testing parametric models in linear-directional regression, *Scandinavian journal of statistics*, Vol. 43, Núm. 4, 2016, pp. 1178 -1191, SUECIA.

- GONZÁLEZ, J.; MUÑOZ, A. ; MARTOS, G.A.
Asymmetric latent semantic indexing for gene expression experiments visualization, *ournal of bioinformatics and computational biology*, Vol. 14, Núm. 4, 2016.

- GUADARRAMA, M.; MOLINA, I.; RAO, J.N.K.
A comparison of small área estimation methods for poverty mapping, *Survey Methodology- Statistics in Transition*, Vol. 17 , Núm. 1, 2016, pp. 41-66.
- LILLO, R.E.; ROMO, J. ; MARTIN, B.
Functional boxplots based on epigraphs and hypographs, *Journal of applied statistics*, Vol. 43, Núm. 6, 2016, pp. 1088-1103, REINO UNIDO.
- LOPEZ, C.; ABAD, P.; BENITO, S.; SÁNCHEZ, M.A.
Evaluating the performance of the skewed distributions to forecast Value at Risk in the global financial crisis, *Journal of Risk Finance*, Vol. 18, Núm. 5, 2016, pp. 1-28, ESTADOS UNIDOS DE AMERICA.
- MAURO, F.; MOLINA, I.; GARCIA, A.; VALBUENA, R.; AYUGA, E.
Remote sensing estimates and measures of uncertainty for forest variables at different aggregation levels, *EnvironMetrics*, Vol. 27, Núm. 4, 2016, pp. 225-238, REINO UNIDO.
- MEI, X.; DE MIGUEL, V.; NOGALES, F. J.
Multiperiod portfolio optimization with multiple risky assets and general transaction costs, *Journal of banking and finance*, Vol. 69, 2016, pp. 108-120, HOLANDA - PAISES BAJOS.
- MORENO, M. ; ROMO, J.
Robust unit root tests with autoregressive errors, *Communications in statistics. Theory and methods*, Vol. 45, Núm. 20, 2016, pp. 5997-6021, ESTADOS UNIDOS DE AMERICA.
- NIETO, F.H.; PEÑA, D.; SABOYA, D.
Common seasonality in multivariate time series, *Statistica Sinica*, Vol. 26, Núm. 4, 2016, pp. 1389-1410, TAIWAN.
- NIETO, M.R.; RUIZ, E.
Frontiers in VaR forecasting and backtesting, *International journal of forecasting*, Vol. 32, Núm. 2, 2016, pp. 475-501, HOLANDA - PAISES BAJOS.
- PAPE, K.; WIED, D.; GALEANO, P.
Monitoring multivariate variance changes, *Journal of Empirical Finance*, Vol. 39, 2016, pp. 54-68, HOLANDA - PAISES BAJOS.
- PEÑA, D.
Rethinking statistics with Big Data: learning from George Box, *Quality technology and quantitative management*, Vol. 12, Núm. 1, 2016, pp. 4-7, TAIWAN.
- PEÑA, D.; YOHAI, V.
Generalized dynamic principal components, *Journal of the American Statistical Association*, Vol. 111, Núm. 515, 2016, pp. 1121-1131, ESTADOS UNIDOS DE AMERICA.
- PINO, G.; TENA. J.D; ESPASA, A.
Geographical disaggregation of sectoral inflation. Econometric modelling of the Euro area and Spanish economies, *Applied economics*, Vol. 48, Núm. 9, 2016, pp. 799-815, REINO UNIDO.

- QUINTO, E.J.; MARIN, J.M.; SCHAFFNER, D.W.
Effect of the competitive growth of *Lactobacillus sakei* MN on the growth kinetics of *Listeria monocytogenes* Scott A in model meat gravy, *Food control*, Vol. 63, 2016, pp. 34-45, HOLANDA - PAISES BAJOS.
- RODRIGUEZ, J.V.; LILLO, R.E.; RAMÍREZ, J.
Analytical issues regarding the lack of identifiability of the non-stationary MAP2, *Performance evaluation*, Vol. 102, 2016, pp. 1-20, HOLANDA - PAISES BAJOS.
- RODRIGUEZ, J.V.; LILLO, R.E.; RAMIREZ, P.
Nonidentifiability of the Two-State BMAP, *Methodology and computing in applied probability*, Vol. 18, Núm. 1, 2016, pp. 81-106, HOLANDA - PAISES BAJOS.
- RODRIGUEZ, J.V.; LILLO, R.E.; RAMIREZ, P.
Dependence patterns for modeling simultaneous events, *Reliability Engineering and System Safety*, Vol. 154, 2016, pp. 19-30, REINO UNIDO.
- RUIZ, D.; David Delgado Gomez
The stochastic capacitated branch restructuring problem, *Annals of Operations Research*, Vol. 246, Núm. 1, 2016, pp. 77-100, HOLANDA - PAISES BAJOS.
- SARHADI, A.; AUSIN, M. C. ; WIPER, M. P.
A New Time-varying Concept of Risk in a Changing Climate, *Scientific reports*, Vol. 6, 2016, REINO UNIDO.
- SARHADI, A.; BU, D.H.; AUSIN, M. C. ; WIPER, M. P.
Time-varying nonstationary multivariate risk analysis using a dynamic Bayesian copula, *Water Resources Research*, Vol. 52, Núm. 3, 2016, pp. 2327-2349.
- SGUERA, C.; GALEANO, P. ; LILLO, R.E.
Functional outlier detection by a local depth with application to NO_x levels, *Stochastic environmental research and risk assessment*, Vol. 30, Núm. 4, 2016, pp. 1115-1130, ALEMANIA.
- VIRBICKAITE, A.; AUSIN, M. C. ; GALEANO, P.
A Bayesian non-parametric approach to asymmetric dynamic conditional correlation model with application to portfolio selection, *Computational statistics and data analysis*, Vol. 100, 2016, pp. 814-829, HOLANDA - PAISES BAJOS.
- ZHU, W.; MARIN, J.M.; LEISEN, F.
A Bootstrap Likelihood Approach to Bayesian Computation, *Australian & New Zealand journal of statistics*, Vol. 58, Núm. 2, 2016, pp. 227-244.

Libros

- BENITO, M. ; CASANI, F.; ROMERA, M. R. ; SANZ, E.
El impacto económico y social de las Universidades públicas madrileñas en la región. Análisis en el corto plazo, ESPAÑA, 2016.

- ROMO, J.
Co-editor. Proceedings de la II Conference of the International Society for Nonparametric Statistic. Springer, 2016, SPRINGER , 2016.

Colaboraciones en obras colectivas

- MOLINA, I.; RAO, J.N.K.
Empirical bayes and hierarchical bayes estimation of poverty measures for small areas, en: Analysis of poverty data by small area methods, Ed. John Wiley & Sons, Inc, pp. 315-324, 2016.
- NIÑO-MORA, J.
Whittle's index policy for multi-target tracking with jamming and nondetections, en: Analytical and Stochastic Modelling Techniques and Applications. ASMTA 2016. Lecture Notes in Computer Science, SPRINGER , pp. 210-222, 2016.
- PONCELA, M. D. P. ; RUIZ, E.
Small- versus big-data factor extraction in dynamic factor models: an empirical assessment, en: Dynamic factor models, EMERALD GROUP PUBLISHING LIMITED, REINO UNIDO, 2016.

Documentos de trabajo

- AVAGYAN, V.
D-Trace precision matrix estimator with eigenvalue control, *UC3M Working papers. Statistics and Econometrics 16-08* UNIVERSIDAD CARLOS III DE MADRID, 2016.
- AYMA, D.A.; DURBAN, M. L. ; LEE, D.-J.; VAN DE KASSTEELE, J.
Modelling latent trends from spatio-temporally grouped data using composite link mixed models, *UC3M Working papers. Statistics and Econometrics 16-07*, 2016.
- BENCHIMOL, A.G.; ALONSO, P. J. ; MARIN, J.M.; ALBARRAN, I.
Model uncertainty approach in mortality projection with model assembling methodologies, *UC3M Working papers. Statistics and Econometrics 16-06* UNIVERSIDAD CARLOS III DE MADRID, 2016.
- CORONA, F.; PONCELA, M. D. P. ; RUIZ, E.
Determining the number of factors after stationary univariate transformations, *UC3M Working Papers Statistics and Econometrics 16-02* UNIVERSIDAD CARLOS III DE MADRID, 2016.
- DENG, Y.; LOPEZ MOREIRA, M.H.; WIPER, M. P.
Efficiency evaluation of Spanish hotel chains, *UC3M Working papers. Statistics and Econometrics 16-13*, 2016.
- GOLDEN, M.; GARCIA, E.; SØRENSEN, M.; MARDIA, K.V.; HAMELRYCK, T.; HEIN, J.
A generative angular model of protein structure evolution, 2016.
- GOMEZ, M.; AUSIN, M. C. ; DOMINGUEZ, M.C.
Vine copula models for predicting water flow discharge in Antarctic glaciers, *UC3M Working papers. Statistics and Econometrics 16-12*, 2016.

- GONÇALVES, J.H.; GONZÁLEZ-RIVERA, G.; RUIZ, E.; LOPES MOREIRA, M.H.
A Bootstrap Approach for Generalized Autocontour Testing, *UC3M Working papers. Statistics and Econometrics* 16-11, 2016.
- GUADARRAMA, M.; MOLINA, I.; RAO, J.N.K.
Small area estimation of general parameters under complex sampling designs, *UC3M Working Papers Statistics and Econometrics* 16-05 UNIVERSIDAD CARLOS III DE MADRID, 2016.
- LIU, L.; MARTIN, B.; PRIETO, F.J.
A Partial parametric path algorithm for multiclass classification, *UC3M Working Papers Statistics and Econometrics* 16-03 UNIVERSIDAD CARLOS III DE MADRID, 2016.
- MARIN, J.M.; RODRIGUEZ, M. T. ; ROMERO, E.
ABC and Hamiltonian Monte-Carlo methods in COGARCH models, *UC3M Working Papers Statistics and Econometrics* 16-01 UNIVERSIDAD CARLOS III DE MADRID, 2016.
- Torres, R.; MICHELE, C.D.; LANIADO, H.; LILLO, R.E.
Directional multivariate extremes in environmental phenomena, *UC3M Working papers. Statistics and Econometrics* 16-10 UNIVERSIDAD CARLOS III DE MADRID, 2016.
- UGAZ, W.E.; ALONSO, A.M.; SÁNCHEZ, I.
Monitoring variance by EWMA charts with time varying smoothing parameter, *UC3M Working papers. Statistics and Econometrics* 16-09 UNIVERSIDAD CARLOS III DE MADRID, 2016.
- VICENTE, J.D.; RUIZ, E.
Measuring the uncertainty of Principal Components in Dynamic Factor Models, *UC3M Working papers. Statistics and Econometrics* 16-14, 2016.

Ponencias y Comunicaciones a congresos

- AGUILERA, M.D.C.; AGUILERA, A.M.
Multi-classification of human body motions from acceleration curves, 22nd International Conference on Computational Statistics (COMPSTAT 2016), OVIEDO, ESPAÑA, 2016.
- AGUILERA, M.D.C.; AGUILERA, A.M.; ROLDAN, J.B.; JIMENEZ, F.
Functional modelling of reset processes in Resistive Random AccessMemories (RRAMs); en: XXXVI Congreso Nacional de Estadística e Investigación Operativa. X Jornadas de Estadística Pública, UNIVERSIDAD CASTILLA - LA MANCHA, , 2016.
- ALMEIDA, P.; HOTTA, L.; RUIZ, E.
MGARCH models: trade-off between feasibility and flexibility, The 36th International Symposium on Forecasting, ESPAÑA, 2016.
- ALONSO, A.M.; PEÑA, D.
A procedure for clustering time series, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.

- AUSIN, M. C. ; GALEANO, P. ; WILSON, S.
Approximate bayesian computation for phase-type distributions, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.
- AYMA, D.A.; DURBAN, M. L. ; EILERS, P.H.C.
Disaggregation of spatial and spatio-temporal counts in epidemiology: a penalized composite link model approach, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.
- BOOMSMA, W.; GARCIA, E.; WOOD, E.
Rank-regularized estimation of mixtures of multivariate von Mises; en: 10th International Conference on Computational and Financial Econometrics (CFE 2016) and 9th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (CMStatistics 2016), , 2016.
- CABANA, E.
Robust and scalable methods in fMRI statistical analysis; en: XXXVI Congreso Nacional de Estadística e Investigación Operativa. X Jornadas de Estadística Pública, UNIVERSIDAD CASTILLA - LA MANCHA, , 2016.
- CARBALLO, A.; DURBAN, M. L. ; LEE, D.-J.; EILERS, P.H.C.
The memory of extrapolating P-splines, II Jornadas Científicas de Estudiantes de la Sociedad Española de Biometría, BARCELONA, ESPAÑA, 2016.
- CARBALLO, A.; DURBAN, M. L. ; LEE, D.-J., EILERS, P.H.C.
The memory of extrapolating P-splines; en: Proceedings of the 31st International Workshop on Statistical Modelling : July 4&-8, 2016, Rennes, France, Department of Mathematical Engineering. Institut National des Sciences Appliquées (Rennes), , 2016.
- CARLOMAGNO, G.; ESPASA, A.
Discovering common trends in a large set of disaggregates: statistical procedures and their properties, IAAE 2016 Annual Conference, Milán, ITALIA, 2016.
- CASTELLANOS , M.E.; CABRAS, S.; RATMANN, O.
Goodness of fit in ABC setting; en: ISBA 2016 (International Society for Bayesian Analysis) : book of abstracts, ITALIA, 2016.
- CORONA, F.J.; PONCELA, M. D. P. ; RUIZ, E.
Determining the number of factors after stationary univariate transformations, The 36th International Symposium on Forecasting, SANTANDER, ESPAÑA, 2016.
- CZELLAR, V.; MAO, X.; RUIZ, E.; LOPES MOREIRA, M.H.
Asymmetric stochastic volatility models: properties and estimation, 48th Scientific Meeting of the Italian Statistical Society (SIS 2016), Salerno, ITALIA, 2016.
- DURBAN, M. L. ; RODRIGUEZ, M.X.; LEE, D.-J.; EILERS, P.H.C.
Fast estimation of adaptive P-spline models, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.

- ESPASA, A.
The Spanish Economic Perspectives, EUI-Nomics 2016: Debating the economic conditions in the Euro area and beyond, ITALIA, 2016.
- GALEANO, P. ; PEÑA, D.
Outlier detection in high-dimensional time series, Workshop "New developments in Econometrics and time series", MADRID, ESPAÑA, 2016.
- GALEANO, P. ; PEÑA, D.
Outlier detection in high-dimensional time series, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.
- GARCIA, E.; LEY, C.; VERDEBOUT, T.
Nonparametric density estimation with directional data under rotational symmetry, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.
- GONÇALVES, J.H.; GONZALEZ, M.G.; RUIZ, E.; LOPES MOREIRA, M.H.
A bootstrap approach for generalized autocontour testing, The 36th International Symposium on Forecasting, SANTANDER, ESPAÑA, 2016.
- GONÇALVES, J.H.; GONZALEZ, M.G.; RUIZ, E.; LOPES MOREIRA, M.H.
A bootstrap approach for Generalized autocontour testing, Workshop in New Developments in Econometrics and Time Series, MADRID, ESPAÑA, 2016.
- GONZALEZ-MANTEIGA, W.; CUESTA-ALBERTOS, J.A.; GARCIA, E.; FEBRERO, M.
Goodness-of-fit tests for models with functional data; en: 10th International Conference on Computational and Financial Econometrics (CFE 2016) and 9th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (CMStatistics 2016), , 2016.
- GUADARRAMA, M.; MOLINA, I.; RAO, J.N.K.
Small area estimation of general parameters under complex sampling designs, Small Area Estimation Conference 2016, Maastricht, HOLANDA - PAISES BAJOS, 2016.
- IEVA, F.; ROMO, J.
Analyzing dependence for multivariate functional data, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.
- LEE, D.-J.; AYMA, D.A.; DURBAN, M. L. ; KASSTEELE, J.V.D.
Smooth composite link models for spatio-temporal disaggregation of epidemiological data, 31st International workshop on Statistical Modelling, Rennes, FRANCIA, 2016.
- LILLO, R.E.; RODRÍGUEZ, J.; RAMÍREZ, J.
Dependence patterns related to the BMAP, Ninth International Conference on Matrix-Analytic Methods in Stochastic Models (MAM9), Budapest, HUNGRÍA, 2016.

- LILLO, R.E.; Torres, R.; LANIADO, H.; DE MICHELE, C.
Directional multivariate extremes in environmental phenomena, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.
- LOPES MOREIRA, M.H.; RAMOS, S.
Energy industry's market value and oil price, 10th International Conference on Computational and Financial Econometrics (CFE 2016), ESPAÑA, 2016.
- LOPEZ, C.
An Application of the Extreme Value Theory in the Estimating of Liquidity Risk, VII Jornadas AECA, LUGO, ESPAÑA, 2016.
- LOPEZ, C.; ABAD, P.; BENITO , S.
The role of the loss function in value?at?risk comparisons, 4th International Conference on Dynamics, Games and Science: Decision models in a complex economy, MADRID, ESPAÑA, 2016.
- MARHUENDA, Y.; MOLINA, I.; MORALES, D.; RAO, J.N.K.
Poverty mapping in small areas under a twofold nested error regression model, 22nd International Conference on Computational Statistics (COMPSTAT 2016), OVIEDO, ESPAÑA, 2016.
- MYLONA, K.
Supersaturated multi-stratum designs: construction and modelling, Model-Oriented Data Analysis and Optimum Design (mODa11), Hamminkeln-Dingden, ALEMANIA, 2016.
- MYLONA, K.; BORROTTI, M.; SAMBO, F.; GILMOUR, S.
Un algoritmo de optimización multiobjetivo para el diseño de experimentos de estratos múltiples, XXXVI Congreso Nacional de Estadística e Investigación Operativa (SEIO 2016). X Jornadas de Estadística Pública, TOLEDO, ESPAÑA, 2016.
- MYLONA, K.; GILMOUR, S.; GOOS, P.
Optimal restricted-randomised response surface designs allowing for pure-error estimation of the variance components, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.
- MYLONA, K.; MATTHEWS, E.; WOODS, D.C.
Applying supersaturated designs under restricted randomization to a tribocorrosion experiment, The Fourth International Conference on the Interface between Statistics and Engineering, Palermo, ITALIA, 2016.
- NGUYEN, H.
Modelling Stock Dependence using Factor Copulas; en: [ISBA 2016: International Society for Bayesian Analysis. Book of abstracts](#), ITALIA, 2016.
- NGUYEN, H.
Modelling high dimensional stock dependence using factor copulas, Workshop in Bayesian Econometrics, GETAFE, ESPAÑA, 2016.

- NGUYEN, H.; AUSIN, M. C. ; GALEANO, P.
Modelling high dimensional stock dependence using factor copulas, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016)
, SEVILLA, ESPAÑA, 2016.
- NIÑO-MORA, J.
Un teorema de verificación para la indexabilidad de restless bandits con estado real, XXXVI Congreso Nacional de Estadística e Investigación Operativa (SEIO 2016). X Jornadas de Estadística Pública, TOLEDO, ESPAÑA, 2016.
- PEÑA, D.
Clasificación en series temporales multivariantes, Congreso de clasificación en honor de Carlos Cuadras, ESPAÑA, 2016.
- PEÑA, D.
Robust dynamic principal components, ICORS'16, Ginebra, 2016.
- PEÑA, D.; NIETO, F.H.; SABOY, D.
Common seasonality in multivariate time series, JSM2016, Chicago, ESTADOS UNIDOS DE AMERICA, 2016.
- PEÑA, D.; NIETO, F.H.; SABOYÁ, D.
Common seasonality in multivariate time series, Joint Statistical Meetings 2016, Chicago, ESTADOS UNIDOS DE AMERICA, 2016.
- RAMOS, S.; LOPES MOREIRA, M.H.; WANG, C.W.
Energy industry's market value and oil price, ECOMFIN2016: Energy & Commodity Finance Conference 2016, París, FRANCIA, 2016.
- ROMERA, M. R.
Capital injection strategy in the classical risk process controlled by reinsurance and investment in the financial market, International Workshop on Applied Probability (IWAP16), Toronto, CANADA, 2016.
- ROMO, J.
Analyzing dependence for multivariate functional data, 10th International Conference on Computational and Financial Econometrics (CFE 2016), SEVILLA, ESPAÑA, 2016.
- ROMO, J.
Recent advances in robust statistics, 10th International Conference on Computational and Financial Econometrics (CFE 2016)
, SEVILLA, ESPAÑA, 2016.
- ROMO, J.
Robust functional data analysis, III International Society for Nonparametric Statistics Conference, Avignon, FRANCIA, 2016.
- ROMO, J.
Recent advances in robust statistics, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.

- ROMO, J.
Statistical techniques for the analysis of complex biomedical signals, SIMAI 2016, Milano, ITALIA, 2016.
- ROMO, J. ; ARRIBAS, A.
Analyzing high-dimensional functional data, 22nd International Conference on Computational Statistics (COMPSTAT 2016), OVIEDO, ESPAÑA, 2016.
- RORÍGUEZ, M.X.; DURBAN, M. L. ; LEE, D.-J.; EILERS, P.H.C.
Spatio-temporal adaptive penalized splines with application to Neuroscience, 31st International workshop on Statistical Modelling, Rennes, FRANCIA, 2016.
- RUIZ, C.; NOGALES, F. J. ; PRIETO, F.J.
Retail equilibrium with switching consumers in electricity markets, Informs Annual Meeting , Nashville, ESTADOS UNIDOS DE AMERICA, 2016.
- RUIZ, E.; ALBARRAN, I.; DE VICENTE, J.
Measuring the uncertainty of principal components in dynamic factor models, 10th International Conference on Computational and Financial Econometrics (CFE 2016), SEVILLA, ESPAÑA, 2016.
- Torres, R.; DI BERNARDINO, E.; LANIADO, H.; LILLO, R.E.
Estimation of directional multivariate extremes at high level, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2016), SEVILLA, ESPAÑA, 2016.
- VELILLA, S.
Colinealidad y tipificación en regresión lineal; en: XXXVI Congreso Nacional de Estadística e Investigación Operativa. X Jornadas de Estadística Pública Universidad de Castilla-La Mancha : Toledo, del 5 al 7 de Septiembre 2016, SERVICIO DE PUBLICACIONES DE LA UNIVERSIDAD DE NAVARRA, S.A., , 2016.
- WIPER, M. P. ; GALEANO, P. ; GARCIA DE LA, C.
Inferencia bayesiana para modelos GARCH con errores SNI; en: XXXVI Congreso Nacional de Estadística e Investigación Operativa, X Jornadas de Estadística Pública : Universidad de Castilla-La Mancha, Toledo, del 5 al 7 de Septiembre 2016, , 2016.

Actividades de formación y movilidad de personal investigador

Estancias en otros centros

- ANTONI ESPASA TERRADES
Título: Estancia en el Departamento de Estadística de Análisis Económico de la Facultad de CCEE de la Universidad de Valencia. Enero y Febrero 2016
Centro Externo: Universidad de Valencia
País: ESPAÑA
Duración: 01/2016 a 02/2016.

- ANTONI ESPASA TERRADES
Título: Estancia en el Dipartimento di Economia e Finanza de la Università Di Roma "Tor Vergata". Marzo a junio
Centro Externo: Università di Roma "Tor Vergata"
País: ITALIA
Duración: 03/2016 a 06/2016.

- AUREA GRANE CHAVEZ
Título: Estancia de investigación en el Department of Statistics, Haken School of Economics
Centro Externo: Hanken School of Economics
País: FINLANDIA
Duración: 24/06/2016 a 10/07/2016.

- DANIEL PEÑA SANCHEZ DE RIVERA
Título: Visitas para trabajo conjuntos a Nuno Crato (ISPRA, Italia)
Centro Externo: ISPRA
País: ITALIA
Duración: 02/2016 a 02/2016.

- DANIEL PEÑA SANCHEZ DE RIVERA
Título: Visitas para trabajos conjuntos a George Tiao y Ruey Tsay (Universidad de Chicago-USA)
Centro Externo: Universidad de Chicago
País: ESTADOS UNIDOS DE AMERICA
Duración: 01/2016 a 01/2016.