

MIÉRCOLES 19

9:30-10:30			APERTURA
10:30-11:30			
Plenaria			
<u>Salón de actos</u>	Analysis of interval-censored data: Methods, software, and real world examples		Klaus Langohr <i>Universitat Politècnica de Catalunya</i>
<i>Chairperson: Carmen Armero</i>			
			CAFÉ
12:00-13:30			
Young Statistician Showcase			
<u>Salón de actos</u>	A nonparametric two-sample class of statistics for time-to-event and binary outcomes		Marta Bofill Roig <i>Universitat Politècnica de Catalunya</i>
<i>Chairperson: Klaus Langhor</i>	Addressing alternative approaches for spatial modeling of herbicide retention in soil		Franca Giannini Kurina <i>Universidad Nacional de Córdoba</i>
	The integrated nested Laplace approximation in order to fit Bayesian Dirichlet regression		Joaquín Martínez-Minaya <i>Universitat de València</i>
	Analysis of 2D foot morphology by functional archetypal analysis		Aleix Alcacer <i>Universitat Jaume I</i>
	ORI: An Order Restricted Inference framework to analyse chronobiological rhythms		Yolanda Larriba <i>Universidad de Valladolid</i>
			COMIDA
15:00-15:54			
Sesión SYNTAX for Science I: Métodos estadísticos en Medicina I			
<u>Salón de actos</u>	A bootstrap hypothesis test to select the optimal categorization of the lymph node ratio for patients with colon cancer		Irantzu Barrio <i>Universidad del País Vasco UPV/EHU</i>
<i>Chairperson: Pere Puig</i>	A functional diagnostic test: how to classify an individual as healthy or disease from a functional biomarker?		Graciela Estevez Perez <i>Universidade da Coruña</i>
	Constructing a deprivation index at a census tract level from the Spanish national census of 2011		Carlos Vergara-Hernández <i>FISABIO</i>
Sesión Emilio Carbonell			
<u>Aula 0.1</u>	Spatial Bayesian modelling applied to the surveys of <i>Xylella fastidiosa</i> in Alicante		Martina Cendoya <i>Inst.Valenciano de Inv. Agrarias (IVIA)</i>
<i>Chairperson: Julio di Rienzo</i>	Development and evaluation of a sequential adaptive sampling strategy to delimiting the distribution of <i>Xylella fastidiosa</i> : a case study in Alicante		Elena Lázaro <i>Inst.Valenciano de Inv. Agrarias (IVIA)</i>
	Multi environment trial analysis to determine the resistance of cereal varieties to <i>Pratylenchus neglectus</i> in Australia		Isabel Muñoz Santa <i>Universitat de València</i>
16:06-17:00			
Estadística espacial y espacio-temporal I			
<u>Salón de actos</u>	Smoothing methods for 'very' large data in spatio-temporal disease mapping: estimating mortality risks in Spanish municipalities		Aritz Adin <i>Universidad Pública de Navarra</i>
<i>Chairperson: Lola Ugarte</i>	Additive multidimensional disease mapping models: a case study on the Valencia city mortality		Paloma Botella-Rocamora <i>Direc.Gral.Salud Pública CV-FISABIO</i>
	Multidimensional Adaptive Penalised Splines Models: Application to Neurons' Activity Studies		María Xosé Rodríguez-Álvarez <i>BCAM, Basque Center for Applied Mathematics</i>
Sesión Biostatnet			
<u>Aula 0.1</u>	Exploring the randomness of mentally generated head-tail sequences in healthy older adults		Sergio Baena-Mirabete <i>Universitat Autònoma de Barcelona</i>
<i>Chairperson: Lupe Gómez</i>	A Bayesian longitudinal study of European sardine fishing		Gabriel Calvo <i>Universitat de València</i>
	Error-Rate Estimation in Discriminant Analysis of Non--Linear Longitudinal Data: A Comparison of Resampling Methods		Vicente Núñez-Antón <i>Universidad del País Vasco UPV/EHU</i>
			CAFÉ
17:30-19:30			
SESIÓN DE PÓSTERES			

JUEVES 20

9:00-10:30

EMR-POR-ESP

Salón de actos

Chairperson: Inmaculada Arostegui

Construction of confidence intervals for the maximum of the Youden index and its corresponding optimal cutoff point.

Benjamin Reiser
University of Haifa

Survival Analysis taking competing risks into account

Laetitia Teixeira
University of Porto

Strategies for integrated analysis in Imaging Genetics

Natalia Vilor-Tejedor
C.Genomic Regul.(CRG)-BBRC

Marginalized Frailty-Based Illness-Death Model: Application to the UK-Biobank Survival Data

Nir Keret
Tel-Aviv University

Methods for checking the Markovian assumption in Multi-state models

Gustavo Soutinho
University of Porto

10:30-11:24

Análisis de datos longitudinales I

Salón de actos

Chairperson: Luis Fernando Grajales

Latent growth curve models for analysing body image over time among women with breast cancer

Andrea Conchado
Universitat Politècnica de València

Antedependence Skew-Normal Linear Models for Longitudinal Data

Martha Corrales
Universidad Sergio Arboleda

Longitudinal Zero-Inflated Regression Model for Missing Count Data

Oscar O.Melo Martínez
Universidad Nacional de Colombia

Estadística espacial y espacio-temporal II

Aula 0.1

Chairperson: Paloma Botella-Rocamora

An adaptive CAR proposal to model spatial dependence in disease mapping studies

Francisca Corpas-Burgos
FISABIO

Modeling the mortality risk of a disease from total mortality

Lidia Herrero Huertas
Direc.Gral.Salud Pública CV

Age-space-time analysis of ovarian cancer mortality in Spain

Paula Camelia Trandafir
Universidad Publica de Navarra

Sesión SYNTAX for Science II: Métodos estadísticos en Medicina II

Aula 1.3

Chairperson: Olga Susana Filippini

DNA methylation signatures and incident cardiovascular disease in the Strong Heart Study

Arce Domingo-Relloso
Columbia University Mailman School of Public Health

Distribution-Test Estimation and Topic Modeling from Big-Data Analytics from Heterogeneous Hospital Records in Ovarian Cancer

José Luis Rojo-Álvarez
Universidad Rey Juan Carlos

Machine learning methods for assessing and predicting low muscle quantity and/or quality in HIV infected individuals

Nuria Pérez-Alvarez
Fundacion Lucha contra la SIDA

CAFÉ

12:00-13:30

Modelos lineales generalizados

Salón de actos

Chairperson: Vicente Núñez-Antón

Mixture-based clustering for ordinal data: A Bayesian approach

Daniel Fernández
Institut de Recerca Sant Joan de Déu

A doubly restricted exponential dispersion model

Luis Fernando Grajales
Universidad Nacional de Colombia

Generalized partially linear models on Riemannian manifolds

M.Victoria Ibáñez
Universitat Jaume I

Dealing with missing predictor variables in logistic regression models with complex survey data

Amaia Iparragirre
Universidad del País Vasco UPV/EHU

Zero-Inflated models for regression analysis of count data applied to an experiment in agronomy

Sandra E. Melo Martínez
Universidad Nacional de Colombia

Sesión Sociedad Española de Epidemiología

Aula 0.1

Chairperson: Miguel A. Martínez-Beneito

Bayesian shared component models for incidence predictions based on mortality

Jaione Etxeberria
Universidad Publica de Navarra

Estimation of Cancer Incidence from Mortality Data: A Validation Study within a Population-Based Cancer Registry

Miguel Rodríguez-Barranco
Escuela Andaluza de Salud Pública

Estimation of life expectancy among persons with a given disease and the importance of different causes of death: the Life Years Lost method, developed R functions, and example on mental disorders

Oleguer Plana-Ripoll
Aarhus University

Labour market participation patterns as predictors for sickness absence trajectories

Julio C. Hernando Rodríguez
Universidad Pompeu Fabra, Barcelona

Estimation of an energy poverty index at small area level based on the Barcelona health survey

Marc Mari-Dell'Olmo
Agència de Salut Pública de Barcelona

COMIDA

15:00-16:00

Plenaria

Salón de actos

Chairperson: María Durbán

Statistics with a human face

Adrian Bowman
University of Glasgow, United Kingdom

16:06-17:00

Análisis de datos longitudinales II

Salón de actos

Chairperson: Josep Xavier Barber

A continuous-time hidden Markov model for the detection of hepatocellular carcinoma onset using serum biomarkers

Ruben Amoros
University of Edinburgh

Understanding the gender gap in STEM careers: A longitudinal data analysis

Anabel Forte
Universitat de València

SISSREM: Shiny Interactive, Supervised and Systematic report from REpeated Measurements data

Pablo Hernández-Alonso
IBIMA (Málaga) - URV (Reus)

Estudios de causalidad y asociación

Aula 0.1

Chairperson: Erik Cobo

Estimating health conditions of Andalusian healthcare professionals using online surveys with Propensity Score Adjustment

Ramón Ferri-García
Universidad de Granada

Is arsenic, cadmium and zinc exposure causally associated with renal function? A Mendelian Randomization study

Maria Grau-Perez
Institute for Biomedical Research INCLIVA

Role of aspirin in primary prevention of cardiovascular disease in real world data. A propensity score match.

Cristina López Zumel
Institute for Biomedical Research INCLIVA

CAFÉ

ASAMBLEA SEB

VIERNES 21

10:00-11:00

Plenaria

Salón de actos

Chairperson: David Conesa

Statistical challenges in air pollution health risk assessment

Michaela Cameletti

University of Bergamo

CAFÉ

11:30-12:24

Análisis de supervivencia

Salón de actos

Chairperson: Mario Trottini

Cox elastic-net regularization for mRNA identification as predictors of HIV viral rebound

Yovaninna Alarcón-Soto

Universitat Politècnica de Catalunya

Detecting violations to the conditional independence assumption in joint modelling of longitudinal data and time to the event

Alberto García-Hernandez

Universidad Complutense de Madrid

A comparison of variable selection methods in high-dimensional survival analysis: an application to professional sports injuries

Lore Zumeta Olaskoaga

BCAM - Basque Center for Applied Mathematics

Estadística espacial y espacio-temporal III

Aula 0.1

Chairperson: Virgilio Gómez

Rubio

Predicting rainfall soil erosivity and soil properties in the Basque Country with Geoadditive models

Dae-Jin Lee

BCAM - Basque Center for Applied

Mathematics

Multivariate Bayesian areal data models using R-INLA : MuBAMo R-Package

Francisco Palmí Perales

Universidad de Castilla-La Mancha

On the need of smoothing life expectancies in small areas studies

Jordi Pérez-Panadés

Dirrec.Gral.Salud Pública CV

Métodos estadísticos en Biología

Aula 1.3

Chairperson: Susana

Eyheramendy

Bayesian based algorithm for the optimization of biological clocks in humans

Juan R Gonzalez

Inst.de Salud Global Barcelona

Bootstrap-based methods for testing linear combinations of proportions.

María Álvarez Hernández

Application to length distribution samples of the cod in NAFO Division 3M.

Centro Universitario de la Defensa

12:36-13:30

Estadística bayesiana

Salón de actos

Chairperson: Emilio Carbonell

A Bayesian epidemiological compartmental model for labour (in)stability in Spain

Juan Antonio Carbonell

Universitat de València

A Bayesian regression model for the non-standardized t distribution with location, scale and degrees of freedom parameters

Margarita Marín Jaramillo

Universidad Nacional de Colombia

Spatial conditional overdispersion models: Modelling infant mortality rates

Mabel Morales Otero

Universidad del País Vasco UPV/EHU

Estadística temporal

Aula 0.1

Chairperson: Antonio López-

Quílez

Analysing stability of the human microbiome by a Dirichlet autoregressive model

Irene Creus-Martí

Universitat de Valencia-CSIC. Ins.

Biología Integ.Sist. (I2Sysbio)

Misreported diagnosis of the Attention Deficit Hyperactivity Disorder

Amanda Fernández-Fontelo

Humboldt-Universität zu Berlin

Modeling microbiota time-series data

Jesúa López

Universitat de València

COMIDA

15:00-15:54

Sesión CIO UMH: Análisis Multivariante

Salón de actos

Chairperson: María Victoria Ibáñez

Multivariate contributions to the mining or textual data, program in R

MTMM. Case study, social problems in Mexico

Detection of anomalies by gender in foot shapes

Orthogonal two-way Projections to Latent Structures (O2PLS) regression in an integrative omics application

Claudio Castro

Universidad Veracruzana

Irene Epifanio

Universitat Jaume I

Jesús Gutiérrez Botella

Universitat de València

Sesión Campus Habitat 5U: Modelos estadísticos para el bienestar social

Aula 0.1

Chairperson: Ana Debón

Comparison of spatio-temporal models with Matlab and R. Study of European for ages after retirement.

Surveys on the use of time with a gender approach, considering paid and unpaid work

Multivariate disease mapping for crime-related outcomes

Patricia Carracedo

Universidad Internacional de Valencia

Giorgini Diana

Universidad Nacional de Lujan

Antonio López-Quílez

Universitat de València

16:06-17:00

Modelos estadísticos en Ecología y Ciencias Ambientales

Salón de actos

Chairperson: Francisco Santonja

Co-occurrence: modelling species simultaneously using a coregionalization approach

Seen once and more than once: a Bayesian approach to estimate the species richness

Integrated models to correct the partial monitoring problem in Ecology

Xavier Barber

Universidad Miguel Hernández

Anabel Blasco-Moreno

Universitat Autònoma de Barcelona

Blanca Sarzo

Universitat de València

Métodos estadísticos en Medicina III

Aula 0.1

Chairperson: María Eugenia Castellanos

Assessing Surgical Procedures Using Quality Control Charts

Technical performance variability of imaging biomarkers during acquisition of image

Assessing the predictive performance of the Cariogram

Blanco Alonso, Pilar

Universidad de León

Jose Miguel Carot

Universitat Politècnica de València

Mario Trottni

Universidad de Alicante

CAFÉ

17:30-19:00

Sesión Iberoamericana Jhonny Demey

Salón de actos

Chairperson: Raúl Macchiavelli

A Control chart based on a Negative Binomial model to detect irregular values in infant mortality in Ecuador

Bayesian Antedependence Model Proposals for Longitudinal Data

The segmentation of series with a functional effect: a Bayesian approach

Goodness of fit for models with intractable likelihood

Statistical challenges of present plant breeding programs

Sandra García-Bustos

Escuela Superior Politécnica del Litoral

Edilberto Cepeda-Cuervo

Universidad Nacional de Colombia

Cristian Meza

Universidad de Valparaíso

M.Eugenia Castellanos

Universidad Rey Juan Carlos

Julio A. Di Rienzo

Universidad Nacional de Córdoba

19:0-19:30

CLAUSURA Y ENTREGA DE PREMIOS