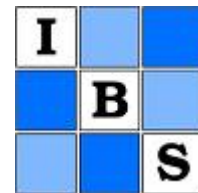


EASTERN MEDITERRANEAN REGION



6th EMR-IBS conference
Crete, 8-12 May 2011



Program

SUNDAY		May 8th, 2011	
10:00 - 17:00	Short Courses		
10:00 - 18:00	REGISTRATION		
19:00 - 22:00	WELCOME RECEPTION		
MONDAY		May 9th, 2011	
09:00 – 09:55	Session A		
	Opening – Keynote Speech, Co-chair: Ergun Karaagaoglu – Stergios Tzortzios One Man's Meat: Nutrition Biomarkers in Chronic Disease Prevention Research Larry Freedman		
10:00 – 10:30	Marvin Zelen: The Legacy of Steve Lagakos		
10:30 – 11:00	Coffee Break		
11:00 – 12:30	Parallel Sessions		
	Session B1 Missing Data Methods	Session B2 Survival Analysis I	
	Session B1 Missing Data Methods Chair: A. Tsiatis		
11:00 – 11:30	More Robust Doubly Robust Estimators Marie Davidian		
11:30 – 11:50	Marginal Structural Models under Different Mechanisms of Missingness Georgia Vourli, Giota Touloumi		
11:50 – 12:10	Handling Missing Data : A Strategy Based on Multiple Imputation and Bayesian Analysis Sebastien Marque		
12:10 – 12:30	Doubly Robust and Multiple Imputation Based Generalized Estimating Equations Teshome Birhanu, Geert Molenberghs, Cristina Sotto, Michael G. Kenward		
11:00 – 12:30	Session B2 Survival Analysis I Chair: K. Gray		
11:00 – 11:30	Use of Composite Endpoints in Cardiovascular Device Trials involving Coronary Stents Guadalupe Gómez, Urania Dafni, Moises Gómez		

11:30 – 11:50	Measuring Follow-up Completeness in Survival Studies <i>Erika Graf</i> , Elmar Abelein, Martin Schumacher
11:50 – 12:10	Reduced Rank Hazards Regression with Fixed and Time Varying Effects of the Covariates, <i>Aris Perperoglou</i>
12:10 – 12:30	Real time prediction for Dengue epidemic in Havana (2001) using model averaging methods <i>Ziv Shkedy</i>
12:30 – 14:00	Parallel Sessions
	Session C1 Session C2 Survival Analysis II Regression and Related Models
	Session C1 Survival Analysis II Chair: N. Breslow
12:30 – 13:00	Treatment Noncompliance in Studies of Adjuvant Chemotherapy for Breast Cancer <i>Bob Gray</i>
13:00 – 13:20	Censoring Biomarker Measurements due to Treatment Initiation: Ignorable or Not? <i>Nikos Pantazis, Giota Touloumi</i>
13:20 – 13:40	A Nonparametric Approach for Estimating the Survival Functions from Case-Control Family Data <i>Nadia Pogrebinsky, Malka Gorfine, Li Hsu</i>
13:40 – 14:00	Estimates of Clinically Useful Measures in Survival Analysis, <i>Federico Ambrogi, Elia Biganzoli, Patrizia Boracchi</i>
12:30 – 14:00	Session C2 Regression and Related Models Chair: B. Reiser
12:30 – 13:00	A Regularization/Extrapolation Corrected Score Method for Nonlinear Regression Models with Covariate Error <i>David M. Zucker, Malka Gorfine, Yi Li, Donna Spiegelman</i>
13:00 – 13:20	Inference in Generalized Linear Regression Models with a Censored Covariate <i>John V. Tsimikas, Leonidas E. Bantis, Stelios D. Georgiou</i>
13:20 – 13:40	Optimal variable Selection for Regression Models <i>Susana Pérez-Álvarez, Christian Brander, Guadalupe Gómez</i>
13:40 – 14:00	Calibration Comparison of Instruments for Measuring Particle- mass Concentrations, in the Presence of Random Effects <i>S. D. Oman, B. Maoz</i>
14:00 – 15:00	Lunch break
15:00 – 16:00	Lagakos Memorial Lecture 1 Chair: M. Zelen Inference on Treatment Effects from a Randomized Clinical Trial in the Presence of Premature Treatment Discontinuation: The SYNERGY Trial <i>Anastasios Tsiatis</i>
16:00 – 17:30	Panel Discussion Chair: M. Zelen Building Global Capacity in Statistics <i>Ron Laporte</i> Discussion: EMR Members
17:30 – 17:50	Coffee Break

17:50 – 18:30	IBS meeting	
18:30 – 19:30	Parallel Sessions	
	Session D1 Addressing the Multiplicity Issue	Session D2 Competing Risks
	Session D1 Addressing the Multiplicity Issue Chair: O. Davidov	
18:30 – 18:50	Hierarchical Testing of Subsets of Hypotheses <i>Yoav Benjamini, Marina Bogomolov</i>	
18:50 – 19:10	Statistical Methods for Evaluating Prognostic Features of Single Nucleotide Polymorphisms (SNPs) in Critical Signal Pathways for Renal Cell Carcinoma (RCC) P. Kathryn Gray	
19:10 – 19:30	Estimator for the Correlation of Recurrent Events in Comparison to the Wei Lin and Weissfeld Method Zakiyah Zain, John Whitehead	
18:30 – 19:30	Session D2 Competing Risks Chair: M. Davidian	
18:30 – 18:50	The Use of Multi-State Models in the Analysis of Semi-Competing Risks Data Fotios Siannis, Jessica Barrett, Vern Farewell	
18:50 – 19:10	Semi-competing Risks with Interval-censored Intermediate Event <i>Núria Porta, M. Luz Calle, Guadalupe Gómez</i>	
19:10 – 19:30	Marginal Distribution Estimation from Double-Sampled Competing Risks Data Constantin T. Yiannoutsos, Menggang Yu	
20:00 – 21:30	Poster Session - Reception	
TUESDAY May 10th, 2011		
09:00 – 9:55	Lagakos Memorial Lecture 2 Chair: G. Molenberghs Issues in Subgroup Analysis Rich Gelber	
10:00 – 11:30	Parallel Sessions	
	Session E1 Neuroimaging - Bioinformatics	Session E2 Discrete Data
	Session E1 Neuroimaging - Bioinformatics Chair: C. Yiannoutsos	
10:00 – 10:30	Massively Parallel Nonparametrics in Neuroimaging Philip T. Reiss, Lei Huang	
10:30 – 10:50	Longitudinal CART and its Application in Neuroimaging Studies Jaroslav Harezlak, Madan G. Kundu, Constantin T. Yiannoutsos	
10:50 – 11:10	Comparison of MB-MDR to BOOST and RAPID for Detecting Epistasis in Unrelated T. Cattaert, F. Van Lishout, J. Rial, K. Van Steen	
11:10 – 11:30	An Efficient Algorithm to Perform Multiple Testing in Epistasis Screening Francois Van Lishout, Tom Cattaert, Jestinah M. Mahachie John, Louis Wehenkel, Kristel Van Steen	
10:00 – 11:30	Session E2	

	Discrete Data Chair: D. Karlis	
10:00 – 10:30	Order Restricted Inference for Multivariate Binary Data with Applications <i>Ori Davidov, Shyamal Peddada</i>	
10:30 – 10:50	Marginalized Models For Bivariate Longitudinal Binary Data <i>Ozlem Ilk, Michael J. DANIELS</i>	
10:50 – 11:10	On a Poisson Mixture Model for Count Time Series <i>Konstantinos Fokianos</i>	
11:10 – 11:30	An Improved CUSUM Procedure for Detection of Outbreaks in Poisson Distributed Health Events <i>Robert Jonsson</i>	
11:30 – 11:50	Coffee Break	
11:50 – 13:30	Parallel Sessions	
	Session F1 Prevalence- Environmental exposure	Session F2 Longitudinal Data - Clinical Trials
	Session F1 Prevalence- Environmental exposure Chair: L. Freedman	
11:50 – 12:20	Inference under Biased Sampling with Application to Infection Data. <i>Micha Mandel</i>	
12:20 – 12:50	Accounting for Prediction Error in Environmental Exposure when Relating Public Health to Environmental Factors <i>Linda Young</i>	
12:50 – 13:10	Herd-prevalence based on Aggregate Testing of Animals <i>Christel Faes, Marc Aerts, Saskia Litiere</i>	
13:10 – 13:30	The influence of Rotation Type on the Repeatability of Dietary Patterns Derived through Principal Component Analysis <i>Vassiliki Bountziouka, Demosthenes B. Panagiotakos</i>	
11:50 – 13:30	Session F2 Longitudinal Data - Clinical Trials Chair: R. Gray	
11:50 – 12:20	Unbalanced and Partial Group Sequential Methods for Normal Responses in Clinical Trials <i>Atanu Biswas, Shirsendu Mukherjee, KyungMann Kim</i>	
12:20 – 12:50	Nonparametric Regression of Mean and Covariance Structures for Longitudinal Data <i>Jianxin Pan</i>	
12:50 – 13:10	Utilizing the Clinical DataFax System from Randomization to the Completion of a Clinical Trial <i>Zekai Otles, Xiang Li, Diane Pauk, KyungMann Kim</i>	
13:10 – 13:30	Modelling the Mean and Covariance Structure for Continuous Bounded Longitudinal Data <i>Mouna Akacha, Jane L. Hutton</i>	
13:30 – 15:00	Lunch break	
FREE AFTERNOON		

WEDNESDAY May 11th, 2011

08:30 – 10:00 **Session G:
Biometrics Showcase**

Chair: D. Zucker	
08:30 – 09:00	Dependence Calibration in Conditional Copulas: A Nonparametric Approach <i>Elif F. Acar, Radu V. Craiu, Fang Yao</i>
09:00 – 09:30	A measure of Explained Variation for Event History Data <i>Janez Stare, Maja Pohar Perme, Robin Henderson</i>
09:30 – 10:00	k-FWER Control without p-value Adjustment, with Application to Detection of Genetic Determinants of Multiple Sclerosis in Italian Twins <i>Livio Finos, Alessio Farcomeni</i>
10:00 – 11:40	Parallel Sessions
	Session H1 Diagnosis and Screening
	Session H2 Biometry with Applications to Agriculture
	Session H1 Diagnosis and Screening Chair: S. Lee
10:00 – 10:30	Issues in ROC surface analysis with an application to externally validated cognition in Parkinson disease screening <i>C.T. Nakas, T.A. Alonzo, J.C. Dalrymple-Alford, T.J. Anderson</i>
10:30 – 11:00	Estimation of Sensitivity of Chest X-ray and Cancer Preclinical Sojourn Time for Lung Cancer Screening Trials <i>Ping Hu, Philip Prorok</i>
11:00 – 11:20	Trends in Mammographic Breast Density and Risk of Breast Cancer <i>Carles Forné, Marisa Baré, Núria Tor, Montserrat Rué</i>
11:20 – 11:40	Using Scan Statistics on Multiple Processes With Dependent Signals and Assessing its Distribution, with Application to Sequence Search Along the Genome <i>Anat Reiner-Benaim</i>
10:00 – 11:40	Session H2 Biometry with Applications to Agriculture Chair: S. Tzortzios
10:00 – 10:30	Formulation of Recommendation Domains for Sugarcane Varieties: Using Modified Stability Analysis and Best Linear Unbiased Predictor <i>Njuho, P.M., Sewpersad, C.N., Redshaw K A</i>
10:30 – 10:50	Building Maintenance: A Time-to-event Approach and a Simulation study <i>Carles Serrat</i>
10:50 – 11:10	Modeling Occupancy-abundance Patterns in Supra-specific Taxa of Soil Invertebrates from Zambia and India <i>Legesse Kassa Debusho, G. Sileshi, Mujeeb Rahman</i>
11:40 – 12:00	Coffee Break
12:00 – 13:30	Parallel Sessions
	Session I1 Epidemiological Methods
	Session I2 Design of Clinical Trials and Translational Research
	Session I1 Epidemiological Methods Chair: Ping Hu
12:00 – 12:30	Improved Estimation of Survival Probabilities from Two-phase Stratified Samples <i>Norman E. Breslow, Thomas Lumley, Jon A. Wellner</i>
12:30 – 12:50	The Presence of the Absence in a Geriatric Cohort: Functional Decline Curve Accounting for Attrition <i>Geva, D, Shahar, D.R., Harris, T.B., Researchers of Health ABC, Friger, M.</i>
12:50 – 13:10	Statistical properties of heterogeneity measures in meta-analysis <i>Bahi Takkouche, Polyna Khudyakov, Julian Costa-Bouzas, Donna Spiegelman</i>

17:40 – 19:00	Parallel Sessions		
	<table border="0"> <tr> <td>Session K1 Student Competition II</td> <td>Session K2 General Methodology II</td> </tr> </table>	Session K1 Student Competition II	Session K2 General Methodology II
Session K1 Student Competition II	Session K2 General Methodology II		
	Session K1 Student Competition II Chair: K. Kim		
17:40 – 18:00	Quality Adjusted Survival Analysis of Postmenopausal Breast Cancer Sevilay Karahan, Osman Saracbası		
18:00 – 18:20	A Simulation Study Based on Nonlinear Mixed Effects Models Mehmet N. Orman, Selcuk Korkmaz		
18:20 – 18:40	A Longitudinal Study of the Effect of Physical Activity on Risk of Heart Failures: Methods and Applications Daniela Mariosa, Rino Bellocco, Ylva Lagerros, Olof Nyrén, Weimin Ye, Johan Sundström, Hans-Olov Adami, Erik Ingelsson		
18:40 – 19:00	Variable Selection and Computation of the Prior Probability of a Model Christos Koukouvinos, Christina Parpoula		
17:40 – 19:00	Session K2 General Methodology II Chair: R. Burgut		
17:40 – 18:00	Bayesian Semi-parametric Modeling for Nonignorably Missing Covariates Zeynep I. Kalayloglu, Olcay Öztürk		
18:00 – 18:20	Penalized Likelihood Methodology and Applications E. Androulakis, C. Koukouvinos, F. Vonta		
18:20 – 18:40	Adaptive Policies for Sequential Sampling under Incomplete Information and Side Constraints Apostolos Burnetas, Odysseas Kanavetas		
18:40 – 19:00	Robust Estimation in Cox Proportional Hazards Model Hande Konsuk, Meral Cetin, Oniz Toktamis		
20:00 – 24:00	Conference Dinner		
THURSDAY	May 12th, 2011		
09:00 – 10:40	Session L: Spanish-Italian Session Chair: L. Gomez – A. Decarli		
09:00 – 09:30	Generation Times in Epidemic Models Gianpaolo Scalia Tomba		
09:30 – 10:00	Performance of Markers for Censored Failure Time Outcome: Nonparametric Approach Based on Proportions Laura Antolini		
10:00 – 10:20	Modeling Reductions in Breast Cancer Mortality Ester Vilapriño, Montserrat Rue		
10:20 – 10:40	Cost-effectiveness of HIV Tropism Testing to Inform Antiretroviral Treatment with Maraviroc N. Pérez-Álvarez, G. Gómez, R. Paredes, B. Clotet		
10:40 – 11:10	Coffee Break		
11:10 – 12:40	Session M: Comparative Effectiveness Studies -Student Awards Chair: S.L. Normand		
11:10 – 11:40	Comparative Effectiveness Research: A Methodologic Introduction Constantine Gatsonis		

11:40 – 12:00	Modeling Health Surveillance Data via a Bivariate INAR(1) Process <i>Xanthi Pedeli, Dimitris Karlis</i>
12:00 – 12:20	Augmented Cross-Sectional Studies with Abbreviated Follow-up for Estimating HIV Incidence <i>Brian Cladgett</i>
12:20 – 12:40	Nonparametric Estimation of Distribution Functions in Measurement Errors Models <i>Itai Datner</i>
12:40 – 13:40	Lagakos Memorial Lecture 4: Plenary Talk Chair: C. Gatsonis Clinical trials and the growth of regulations <i>David DeMets</i>
13:40 – 14:00	<i>Student Awards - Closing Session</i>

Poster Session: Monday 20:00-21:30

- P1 *David M. Zucker, Sarit Agami, Donna Spiegelman*
Testing for a Changepoint in the Cox Survival Regression Model
- P2 *GN Tzagarakis, SD Tsivgoulis, NA Kampanis, PG Katonis, GI Chlouverakis*
Development and evaluation of an entropy index as a gait variability measure in orthopaedic patients
- P3 *Eleni Verykoui, Philip D. O'Neill and Theodore Kypraios*
Effects of antibiotics on MRSA carriage dynamics
- P4 *Skoura L, Haidich AB, Metallidis S, Buckton AJ, Mbisa JL, Pilalas D, Papadimitriou E, Papoutsi A, Valagouti D, Tsachouridou O, Antoniadou ZA, Kollaras P, Nikolaidis P, Arvanitidou M, Malisiovas N*
Molecular and epidemiological characterisation of HIV-1 infection networks involving transmitted drug resistance mutations in Northern Greece
- P5 *Anna Karakosta, Maria Vassilaki, Sotiris Plainis, Nazik Hag Elfadl, Miltiadis Tsilimbaris, Joanna Moschandreas*
Analytic approaches for eye-specific outcomes: one eye or two?
- P6 *Amílcar Oliveira, Teresa A. Oliveira*
Visualization in Joint Regression Analysis using R
- P7 *Teresa A.Oliveira, Roberval M. B. Lima, Amílcar Oliveira*
Confounding Techniques in Experimental Design: Results of an experiment on Aniba Rosaeodora in the Central Amazon
- P8 *M.C. Pardo, R. Alonso*
A GEE approach for Poisson correlated data
- P9 *Stavroula Pouloupoulou, Dimitris Karlis, Constantin T. Yiannoutsos, Urania Dafni*
Adaptive Hypothesis Multi-stage Phase II Design for Time-to-event Endpoint
- P10 *Albert Roso, Carles Forne, Montserrat Rue*
Estimation of Catalan Breast Cancer Survival Functions, Corrected for Lead Time and Length Bias
- P11 *Georgia Pistolla, Poulikos Prastakos, Maria Vassilaki, Anastas Philalithis*
Spatial -Mathematic Methods for Analysis of Indicators Of Mortality
- P12 *Spyridonidou Christina, Samoli Evi, Stasinopoulos M., Touloumi Giota*
Modelling long-term trends in cancer mortality in Greece using jointpoint regression