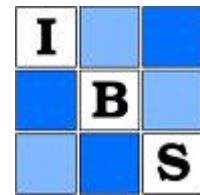


EASTERN MEDITERRANEAN REGION



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 Erika Graf , Elmar Abelein, Martin Schumacher	
11:50 – 12:10	Reduced Rank Hazards Regression with Fixed and Time Varying Effects of the Covariates, Aris Perperoglou	
12:10 – 12:30	Real time prediction for Dengue epidemic in Havana (2001) using model averaging methods Ziv Shkedy	
12:30 – 14:00	Parallel Sessions	
	Session C1 Survival Analysis II	Session C2 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 Bob Gray	
13:00 – 13:20	Censoring Biomarker Measurements due to Treatment Initiation: Ignorable or Not? Nikos Pantazis , Giota Touloumi	
13:20 – 13:40	A Nonparametric Approach for Estimating the Survival Functions from Case-Control Family Data Nadia Pogrebinsky , Malka Gorfine, Li Hsu	
13:40 – 14:00	Estimates of Clinically Useful Measures in Survival Analysis, Federico Ambrogi , Elia Biganzoli, Patrizia Boracchi	
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 David M. Zucker , Malka Gorfine, Yi Li, Donna Spiegelman	
13:00 – 13:20	Inference in Generalized Linear Regression Models with a Censored Covariate John V. Tsimikas, Leonidas E. Bantis , Stelios D. Georgiou	
13:20 – 13:40	Optimal variable Selection for Regression Models Susana Pérez-Álvarez , Christian Brander, Guadalupe Gómez	
13:40 – 14:00	Calibration Comparison of Instruments for Measuring Particle- mass Concentrations, in the Presence of Random Effects S. D. Oman , B. Maoz	
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 Anastasios Tsiatis	

16:00 – 17:30	Panel Discussion Chair: M. Zelen Building Global Capacity in Statistics <i>Ron Laporte</i> Discussion: TBA	
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 <i>Philip T. Reiss, Lei Huang</i>	
10:30 – 10:50	Longitudinal CART and its Application in Neuroimaging Studies <i>Jaroslav Harezlak, Madan G. Kundu, Constantin T. Yiannoutsos</i>	
10:50 – 11:10	Comparison of MB-MDR to BOOST and RAPID for Detecting Epistasis in Unrelated <i>T. Cattaert, F. Van Lishout, J. Rial, K. Van Steen</i>	
11:10 – 11:30	An Efficient Algorithm to Perform Multiple Testing in Epistasis Screening <i>Francois Van Lishout, Tom Cattaert, Jestinah M. Mahachie John, Louis Wehenkel, Kristel Van Steen</i>	
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		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #add8e6; width: 50%;">Session H1 Diagnosis and Screening</td> <td style="background-color: #add8e6; width: 50%;">Session H2 Biometry with Applications to Agriculture</td> </tr> </table>	Session H1 Diagnosis and Screening	Session H2 Biometry with Applications to Agriculture
Session H1 Diagnosis and Screening	Session H2 Biometry with Applications to Agriculture		
	Session H1 Diagnosis and Screening Chair: S. Lee		
10:00 – 10:30	Estimation of Sensitivity of Chest X-ray and Cancer Preclinical Sojourn Time for Lung Cancer Screening Trials <i>Ping Hu, Philip Prorok</i>		
10:30 – 11:00	Classification Accuracy Issues when Screening Externally Validated Cognition in Parkinson's Disease <i>C.T. Nakas, T.A. Alonzo, J.C. Dalrymple-Alford, T.J. Anderson</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 Njuho, P.M., Sewpersad, C.N., Redshaw K A	
10:30 – 10:50	Building Maintenance: A Time-to-event Approach and a Simulation study Carles Serrat	
10:50 – 11:10	Modeling Occupancy-abundance Patterns in Supra-specific Taxa of Soil Invertebrates from Zambia and India Legesse Kassa Debusho, G. Sileshi, Mujeeb Rahman	
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 Norman E. Breslow, Thomas Lumley, Jon A. Wellner	
12:30 – 12:50	The Presence of the Absence in a Geriatric Cohort: Functional Decline Curve Accounting for Attrition Geva, D, Shahar, D.R., Harris, T.B., Researchers of Health ABC, Friger, M.	
12:50 – 13:10	Statistical properties of heterogeneity measures in meta-analysis Bahi Takkouche, Polyna Khudyakov, Julian Costa-Bouzas, Donna Spiegelman	
13:10 – 13:30	Spatio-Temporal Analysis of Breast Cancer Mortality Risks Ugarte, M.D., Goicoa, T., Etxeberria, J., Militino, A.F., Pollán, M.	
12:00 – 13:30	Session I2 Design of Clinical Trials and Translational Research Chair: U. Dafni	
12:00 – 12:30	Statistics in a Translational Neuroscience Program Allan Sampson	
12:30 – 12:50	Bayesian Sample Size Estimates for One Sample Test in Clinical Trials with Dichotomous Outcomes Boris Zaslavsky	
12:50 – 13:10	A Graphical Approach for Adaptive Clinical Trials Testing Multiple Hypotheses Florian Klingmueller, Martin Posch	
13:10 – 13:30	Assessing Non-inferiority in a Gold Standard Design for Retention of Effect Hypotheses - A Semi-parametric Approach Karola Kombrink	
13:30 – 15:00	Lunch break	
15:00 – 16:00	Lagakos Memorial Lecture 3 Chair: D. DeMets An overview of screening programs for the early diagnosis of chronic diseases: Issues and problems Sandra Lee	

16:00 – 17:20	Parallel Sessions	
	Session J1 Student Competition I	Session J2 General Methodology I
	Session J1 Student Competition I Chair: G. Chlouverakis	
16:00 – 16:20	Forecasting Longitudinal Multivariate Binary Data Ozgur Asar, Ozlem Ilk	
16:20 – 16:40	Effects of Covariate Omission when Fitting the Fine-Gray Model to Data from Randomized controlled trials Giorgos Bakoyannis, Giota Touloumi	
16:40 – 17:00	Modeling the Non-inherited Maternal Antigens Effect in Multi-case Families B. Balliu, R. Tsonaka, D. van der Woude, S. Bohringer, J.J. Houwing- Duistermaat	
17:00 – 17:20	A Classification of the Main Biometrical Methodologies Applied in Agricultural Experimentation and Research V. Gousios, S. Tzortzios	
	Session J2 General Methodology I Chair: C. Faes	
16:00 – 16:20	Analysis of Multirater Ordinal Data: An IRT Application Refik Burgut, Yasar Sertdemir, Ilker Unal	
16:20 – 16:40	Importance of Hazard Functions for Lifetime Data Pinar Gunel Karadeniz, Nural Bekiroglu	
16:40 – 17:00	Cross-validation Prior Choice in Bayesian Probit Regression with Many Covariates Demetris Lamnisos, Jim E. Griffin, Mark F.J. Steel	
17:00 – 17:20	One-Way ANOVA and Its Some Alternatives Cases Mehmet Mendes, Soner Yigit Erkut Akkartal, Hamit Mirtagioglu	
17:20 – 17:40	Coffee Break	
17:40 – 19:00	Parallel Sessions	
	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 Saracbasi	
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 Xanthi Pedeli, Dimitris Karlis
12:00 – 12:20	Augmented Cross-Sectional Studies with Abbreviated Follow-up for Estimating HIV Incidence Brian Cladgett
12:20 – 12:40	Nonparametric Estimation of Distribution Functions in Measurement Errors Models Itai Datner
12:40 – 13:40	Lagakos Memorial Lecture 4: Plenary Talk Chair: C. Gatsonis Clinical trials and the growth of regulations David DeMets
13:40 – 14:00	Student Awards - Closing Session

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 Tsigoulis, 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 Rosaedora 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