LinStat'16

August 22-25, 2016

Congress and Culture Center of
Istanbul University, Istanbul

PROGRAMME

22 AUGUST 2016 - Monday

09:00-09:15 OPENING CEREMONY - HALL 1

09:00-10:45 INVITED LECTURES - HALL 1
Chair: Simo Puntanen (1)

09:15-10:00 **Exact Linear Inference for Component and System Lifetime Characteristics based on System Lifetime Data**
Narayanaswamy Balakrishnan

10:00-10:45 **A New Class of Distributions for Lifetime Data**
Serkan Eryılmaz

10:45-11:15 COFFEE BREAK

11:15-12:55 SPECIAL SESSION - LINEAR MODELS - HALL 2
Chair: Simo Puntanen (2a)

11:15-11:35 **Some Further Properties of the Linear Sufficiency**
Simo Puntanen

11:35-11:55 **Generalized Difference-based Weighted Mixed Almost Unbiased Ridge Estimator in Partially Linear Models**
Fikri Akdeniz

11:55-12:15 **Multivariate Semiparametric Regression Estimation with Errors in Variables**
Seçil Yalaz

12:15-12:35 **Linear Mixed Model Selection under Ridge Regression Based on The Conceptual Predictive Statistic**
Özge Kuran

12:35-12:55 **Assessing the Influential Observations for Linear Regression Model with Second-Order Autoregressive Errors**
Tuğba Söküt Açar

11:15-12:35 STATISTICAL INFERENCE I - HALL 3
Chair: Serkan Eryılmaz (2b)

11:15-11:35 **Statistical Inference for the Location Model when the Distribution of the Error Terms is Jones and Faddy's Skew t : Type II Censored Samples**
Talha Arslan

11:35-11:55 **Bayesian Estimation of Scale Parameter for the Fréchet Distribution with Known Shape Based on Type-II Censored Data**
Hanefi Gezer

11:55-12:15 **Bayesian Analysis of Beta-Hidden Markov Model**
Ceren Eda Can

12:15-12:35 **Estimation of the Weibull Renewal Function under Progressively Censored Data**
Ömer Altındağ

12:55-14:30 LUNCH (PROFESSOR'S HOUSE)

14:30-15:50 COMPUTATIONAL STATISTICS - HALL 2
Chair: Fikri Akdeniz (3a)

14:30-14:50 **Sufficient m-out-of-n (m/n) Bootstrap**
Aylin Alin

14:50-15:10 **Empirical Likelihood Inference for the Sen Index**
Sreelakshmi Namboothiri

15:10-15:30	**Modelling Multiple Correlated Data in a Longitudinal Family Based Framework by Using Latent Class Approach** Özge Karadağ
15:30-15:50	**Evaluation of Two-Compartment Model Parameter Estimates through Bootstrap Method** Özlem Türkşen
14:30-15:50	**BIOSTATISTICS - HALL 3** **Chair: Deniz İnan (3b)**
14:30-14:50	**Robust Estimation for Cox Regression Model based on Sufficient Jackknife-After-Bootstrap Method** *Deniz İnan*
14:50-15:10	**A Comparison Between Parametric Mixture Cure Models in Survival Analysis of Cirrhosis Patients** *Jamileh Abolghasemi*
15:10-15:30	**Application of Binary Logistic Regression on Coronary Heart Disease Risk Factors in North Cyprus** *Nuriye Sancar*
15:30-15:50	**The Success Factors of In Vitro Fertilization** *Simge Or*
15:50-16:20	**COFFEE BREAK**
16:20-17:00	**INGRAM OLKIN'S MEMORIAL SESSION - HALL 1** **Chair: Michael Greenacre (4)** **Michael Greenacre** **Simo Puntanen**
18:00-20:00	**WELCOME RECEPTION** *Mimar Sinan Fine Art University Fındıklı Social Facility*

23 AUGUST 2016 - Tuesday

09:00-10:30 INVITED LECTURES - HALL 1
Chair: Augustyn Markiewicz (5)

09:00-09:45 **On Prediction in Multivariate Mixed Linear Models with Structured Covariance Matrices**
Tatjana von Rosen

09:45-10:30 **Block-Circulant Matrices in Multivariate Data Analysis: Visualization and Modelling**
Michael Greenacre

10:30-11:00 COFFEE BREAK

11:00-12:20 SPECIAL SESSION - COMPUTATIONAL INTELLIGENCE IN FORECASTING - HALL 2
Chair: Erol Eğrioğlu (6a)

11:00-11:20 **Median-Pi Artificial Neural Network for Forecasting**
Erol Eğrioğlu

11:20-11:40 **A New Fuzzy Time Series Approach based on Recurrent Pi-Sigma Neural Network**
Cem Koçak

11:40-12:00 **Bootstrap Type-1 Fuzzy Functions Approach for Forecasting**
Ali Zafer Dalar

12:00-12:20 **Moving Block Bootstrap based ANFIS Approaches for Forecasting**
Busenur Sarıca

11:00 – 12:20 APPLIED STATISTICS - HALL 3
Chair: Birsen Erdoğan (6b)

11:00-11:20 **The Effect of Computer Assisted Instruction on Eight Grade Students' Permutation-Combination-Probability Achievement and Attitudes Towards Computer Assisted Learning**
Tuğba Kapucu

11:20-11:40 **Measures of Departure from Marginal Homogeneity Model in Square Contingency Tables**
Gökçen Altun

11:40-12:00 **Appraisal of the Performance of Recursive Partitioning, Conditional Inference Tree, and Evolutionary Learning Tree: A comparative study**
Huruy Debessay Asfha

12:00-12:20 **Ensemble Learning by Two Step-Margin based Model Selection: Case Study on Turkish Commercial Banks Bankruptcy Data**
Birsen Erdoğan

12:30-12:40 *PHOTO (PROFESSOR'S HOUSE)*

12:40-14:00 LUNCH (PROFESSOR'S HOUSE)

14:00-15:20 COMPUTATIONAL INTELLIGENCE - HALL 2
Chair: Kadri Ulaş Akay (7a)

14:00-14:20 **A New Robust Training Algorithm for Multiplicative Neuron Model Artificial Neural Network and Bootstrap Inferences for Weights and Forecasts**
Özge Gündoğdu

14:20-14:40	**Recurrent Type-1 Fuzzy Regression Function for Time Series Forecasting**	
	Nihat Tak	

14:40-15:00	**Modified Particle Swarm Optimization Approach in Portfolio Optimization**	
	Ilgım Yaman	

15:00-15:20	**Ensemble Clustering Selection with Additional Bound Constraints**	
	Süreyya Özöğür Akyüz	

14:00-15:20 SPECIAL SESSION- HIGH-DIMENSIONAL STATISTICAL ANALYSIS- HALL 3
Chair: Dietrich Von Rosen (7b)

14:00-14:20	**Growth Curve Model with Bilinear Random Coefficients**	
	Shinpei Imori	

14:20-14:40	**Estimation of the Mean Parameters in the Growth Curve Model When the Size of theDispersion Matrix is Large**	
	Dietrich von Rosen	

14:40-15:00	**On p/n-Asymptotics Applied to Traces of 1st and 2nd Order Powers of Wishart Matrices with Application to Goodness-of-Fit Testing**	
	Jolanta Pielaszkiewicz	

15:00-15:20	**Optimal Neighbor Designs under Mixed Models**	
	Augustyn Markiewicz	

15:20-15:50 COFFEE BREAK

15:50-16:20   *POSTER SESSION (8)*

Application of Competing Risks Models for Evaluation of Effective Factors for Risk/Survival of Cirrhotic Patients
Jamileh Abolghasemi

A New Two-parameter Ridge Estimator in the Logistic Regression Model
Yasin Asar

Evaluation of Performance Effectiveness of Textile Companies by means of Data Envelopment Analysis
Ceyda Erdem and Sibel Dinc

Poisson-Pseudo Lindley Distribution(PPsLD) and its Application
Sihem Nedjar

Investigating the Association Structure Parametrisation within the Joint Modelling of Longitudinal and Survival Data Framework
Ayca Pamukcu

Investigate the Factors Influencing on Endometriosis in Women of Reproductive Age Using Logistic Regression
Shahnaz Rimaz

24 AUGUST 2016 - Wednesday

09:00-10:30 INVITED LECTURES - HALL 1
Chair: Aylin Alin (9)

09:00-09:45 **Residual Empirical Processes**
Hira Koul
09:45-10:30 **Recent Optimal Design Strategies in Applied Regression Modelling**
Timothy O'Brien

10:30-11:00 COFFEE BREAK

11:00-11:45 YOUNG SCIENTIST AWARD - BEST PRESENTATION - HALL 1
Marrying Survey Sampling and Scalable Inference
Matias Quiroz

12:00-13:00 LUNCH (PROFESSOR'S HOUSE)

14:00-16:00 *EXCURSION*

19:30-23:00 GALA DINNER

25 AUGUST 2016 -Thursday

09:00-10:00 LINEAR MODELS I - HALL 2
Chair: M. Revan Özkale (10a)

09:00-09:20 **Jackknife-type Ridge Estimator in Semiparametric Regression Models**
Esra Akdeniz

09:20-09:40 **Ridge Type-Modified Maximum Likelihood Estimators in Linear Regression Model**
Şükrü Acıtaş

09:40-10:00 **On Biased Estimators in the Negative Binomial Regression Model**
Yasin Asar

10:00-10:20 **Finite mixtures of multivariate skew Laplace distributions**
Fatma Zehra Doğru

09:00-10:20 STATISTICAL INFERENCE II - HALL 3
Chair: Tatiana von Rosen (10b)

09:00-09:20 **Exact Similar Kolmogorov-Smirnov Goodness-of-Fit Test for Discrete Distributions**
Abdeljelil Farhat

09:20-09:40 **Generalized Bimodal Gamma Distribution on R**
Mehmet Niyazi Çankaya

09:40-10:00 **A Note on m-consecutive-k-out-of-n: F systems**
Cihangir Kan

10:00-10:20 **Reliability Properties of Systems with Marshall - Olkin Bivariate Weibull Distribution**
Fatih Kızılaslan

10:20 – 10:50 COFFEE BREAK

10:50-11:50 LINEAR MODELS II - HALL 2
Chair: Özlem Türkşen (11a)

10:50-11:10 **Parameter Estimation Of Interaction Effect in Generalized Measurement Error Models**
Rukiye Dağalp

11:10-11:30 **Alternative Approaches for the Use of Uncertain Prior Information to Overcome the Rank-Deficiency of a Linear Model**
Burkhard Schaffrin

11:30-11:50 **Censored Regression with Measurement Error in Covariates**
Sudheesh Kattumannil

10:50-11:50 STATISTICAL INFERENCE III - HALL 3
Chair: Müjgan Tez (11b)

10:50-11:10 **Estimation of the Quantiles of Two-parameter Gumbel Distribution**
Demet Aydın

11:10-11:30 **The Generalized Inverse Weibull Distribution: Properties and Different Estimation Methods**
Fatma Gül Akgül

11:30-11:50 **Finite Sample α- Similar Linear Procedures for Inference on AR(2) Processes;**
Approach based on Full Information
Malika Neifar

11:50-12:20 *CLOSING (12)*

12:20-14:00 LUNCH

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