

PROGRAM

Program Overview

		Hall 1	Hall 2
Sunday	10.30 – 11.00	Registration	
	11.00 – 11.10	Opening of the Conference	
	11.10 – 12.00	Invited Lecture	
	12.00 – 12.20	Break	
	12.20 – 13.40	Social Science Methodology	Data Mining
	13.40 – 15.00	Lunch	
	15.00 – 16.20	Design of Experiments	Education
	19.00	Reception	
Monday	9.10 – 10.00	Invited Lecture	
	10.00 – 10.20	Break	
	10.20 – 11.40	Biostatistics and Bioinformatics I	Statistical Applications I
	11.40 – 12.00	Break	
	12.00 – 13.20	Biostatistics and Bioinformatics II	Network Analysis
	13.20 – 14.30	Lunch	
	14.30	Excursion	
Tuesday	9.10 – 10.00	Invited Lecture	
	10.00 – 10.20	Break	
	10.20 – 11.40	Modeling and Simulation I	Sampling Techniques and Data Collection
	11.40 – 12.00	Break	
	12.00 – 13.20	Econometrics	Mathematical Statistics I
	13.20 – 15.00	Lunch	
	15.00 – 16.40	Modeling and Simulation II	Mathematical Statistics II
Wednesday	9.10 – 10.30	Statistical Applications II	Statistical Applications III
	10.30 – 10.50	Break	
	10.50 – 11.50	Modeling and Simulation III	
	12.00 – 12.20	Closing of the conference	
	12.30 – 14.00	Lunch	
	14.00 – 18.00	Workshop	

10.30–11.00 **Registration**

11.00–11.10 **Opening of the Conference**

11.10–12.00 **Invited Lecture** (Hall 1)

Chair: Vasja Vehovar

1. **Direct and Indirect Causal Effects: A Helpful Distinction?**
Donald Rubin

12.00–12.20 **Break**

12.20–13.40 **Social Science Methodology** (Hall 1)

Chair: Donald Rubin

1. **Integration of Item Response Theory and Structural Equation Modeling with Dichotomous Data. An Application of Measurement Invariance in Political Preferences**
Lluís Coromina
2. **Functional Independence Measure from the Classical Test Theory Perspective with an Eye on the Item Response Theory Approach**
Gaj Vidmar and Helena Burger
3. **Comparing Student Grading Distributions**
Matevž Bren and Darko Zupanc
4. **Integrated Modelling of European Migration**
James Raymer, Jonathan J. Forster, Peter W.S. Smith, Jakub Bijak, Arkadiusz Wiśniowski and Guy J. Abel

12.20–13.40 **Data Mining** (Hall 2)

Chair: Aleš Žiberna

1. **Comparison of Rough Sets and Discriminant Analysis in the Study of Intangible Assets**
Agnes Maciocha
2. **Yellow Pages Analysis by Using Web Mining**
Umman Tugba Simsek Gursoy and Serap Sahin
3. **Association Rules Analysis for E-Commerce Data: An Application in Turkey**
Serap Sahin and Umman Tugba Simsek Gursoy

13.40–15.00 **Lunch**

15.00–16.20 **Design of Experiments** (Hall 1)

Chair: Janez Stare

1. **A Construction Method of Incomplete Split-Block Designs Supplemented by Control Treatments**
Shinji Kuriki, Stanisław Mejza and Iwona Mejza

15.00–16.00 **Education** (Hall 2)

Chair: Andrej Blejec

1. **Trends of Inequal Gender Proportions in Most Demanding Educational Tracks**
Gašper Cankar

19.00 **Reception**

MONDAY, September 20, 2010

9.10–10.00 **Invited Lecture** (Hall 1) *Chair: Janez Stare*

1. **Models, Assumptions and Confidence Limits**

John Copas

10.00–10.20 **Break**

10.20–11.40 **Biostatistics and Bioinformatics I** (Hall 1) *Chair: John Copas*

1. **Evaluation of Multiple Allele Probabilities at a Single Locus for Ungenotyped Members of Complex Pedigrees**

Gregor Gorjanc

2. **Marginal Structural Models: Treatment in Reach Study**

Nursel Koyuncu and Emmanuel Lesaffre

3. **Anisotropic and Inhomogeneous Hidden Markov Models for the Analysis of Water Quality Spatio-Temporal Data on a Cylindrical Lattice**

Luigi Spezia

10.20–11.40 **Statistical Applications I** (Hall 2) *Chair: Germa Coenders*

1. **Determining the Risk of Contracting Cancer Using Logistic Regression**

Berna Yazıcı, Betül Kan, Gonca Mert and Aynur Küçükçongar

2. **Inflation and Market Power in Agriculture: A Case Study in the Banana Industry in Israel**

Tal Shahor

11.40–12.00 **Break**

12.00–13.20 **Biostatistics and Bioinformatics II** (Hall 1) *Chair: Gaj Vidmar*

1. **Threshold Calibration for High-Dimensional Classification with Class Imbalanced Data**

Lara Lusa and Rok Blagus

2. **A Nonparametric Generalized Additive Model for a Dichotomous Dependent Variable on Forest Fire Data**

Ahmet Sezer, Betül Kan and Berna Yazıcı

12.00–13.00 **Network Analysis** (Hall 2) *Chair: Nataša Kežar*

1. **Using Social Network to Predict Behavior of Active Members of Web Forums**

Aleš Žiberna and Vasja Vehovar

2. **Single and Multiple Name Generators for Measuring Social Support Networks**

Maja Mrzel and Valentina Hlebec

3. **On Fide Network(s) of Chess Players**

Kristijan Breznik and Vladimir Batagelj

4. **Structures of Collaboration in Slovenian Science System**

Luka Kronegger, Patrick Doreian, Anuška Ferligoj and Franc Mali

13.20–14.30 **Lunch**

14.30 **Excursion**

9.10–10.00 **Invited Lecture** (Hall 1) *Chair: Lara Lusa*

1. **Three-sided Hypothesis Testing: Simultaneous Testing of Superiority, Equivalence and Inferiority**
Jelle Goeman

10.00–10.20 **Break**

10.20–11.40 **Modeling and Simulation I** (Hall 1) *Chair: Jelle Goeman*

1. **Hunting for Significance with the False Discovery Rate**
Sonja Zehetmayer, Martin Posch and Peter Bauer
2. **A Permutation Test for Random Effect Models**
Dario Basso, Livio Finos and Gianmarco Altoè
3. **Rank Tests in Measurement Errors Models**
Radim Navratil
4. **Permutation Test for Partial Regression Coefficient on First-Order Autocorrelation**
Pradthana Minsan and Pachitjanut Siripanich

10.20–11.40 **Sampling Techniques and Data Collection** (Hall 2) *Chair: Lluis Coromina*

1. **Algorithms for the Stratification of Skewed Populations**
Jane M. Horgan and Sebnem Er
2. **Adaptive Cluster Sampling Based on Ranked Sets**
Girish Chandra and Hukum Chandra
3. **Bayesian Bootstrap Approximation to Sampling Distributions**
Naoto Niki and Yoko Ono
4. **Statistical Analyses of the Experimental Results on the Bond Behaviour of Reinforcing Steel and Concrete**
M. Sami Donduren, M. Tolga Cogurcu, Mustafa Altin and Mehmet Kamanli

11.40–12.00 **Break**

12.00–13.20 **Econometrics** (Hall 1) *Chair: Aleša L. Dolinar*

1. **There is Only One Statistical SoftwaRe**
Giovanni Millo
2. **Non-linearity, Complexity and Limited Measurement in the Relationship Between Domain and Overall Life Satisfaction**
Monica Gonzalez, Germa Coenders, Marc Saez and Ferran Casas

3. Plurality of Methods for the Categorical Variables: Empirics of Microfinance Impacts on Happiness in Thailand and Brazil

Thanawit Bunsit

12.00–13.20 **Mathematical Statistics I** (Hall 2)

Chair: Mihael Perman

1. Asymptotic Behavior of the Kernel Regression Estimator Under Different Rates of Censoring and Dependence

Zohra Guessoum and Elias Ould Said

2. Minimal Sufficiency in Rare Populations

Mohammad Moradi, Jennifer Brown and Miriam Hodge

3. Asymptotic Behavior of a Smooth Conditional Quantile Kernel Estimator for Censored and Dependent Data

Ourida Sadki and Elias Ould Said

13.20–15.00 **Lunch**

15.00–16.40 **Modeling and Simulation II** (Hall 1)

Chair: Germa Coenders

1. Loglinear Models for Contingency Table

Justyna J. Brzezińska

2. A Comparison of the Most Commonly Used Measures of Association for Doubly Ordered Contingency Tables Via Simulation

Atilla Göktaş and Öznur İşçi

3. A Comparison of the Most Commonly Used Measures of Association for Doubly Non-Squared Ordered Contingency Tables Via Simulation

Öznur İşçi and Atilla Göktaş

4. On Robust Ridge Regression and Robust Liu Estimator

Betül Kan, Berna Yazıcı and Özlem Alpu

15.00–16.20 **Mathematical Statistics II** (Hall 2)

Chair: Damjan Škulj

1. A Class of Asymptotically Normal Degenerate Quasi U-Statistics

Aluisio Pinheiro, Pranab Kumar Sen and Hildete Prisco Pinheiro

2. Ordering Life Distributions Through Interval Entropy Function

Fakhroddin Misagh, Gholam Hossein Yari and Rahman Farnoosh

9.10–10.30 **Statistical Applications II** (Hall 1) *Chair: Katarina Košmelj*

1. **The Effects of Body Mass Index on Pregnancy Outcomes in the Rural Areas of North of Iran**
Karam Nazari, Raheleh Kardel and Manoochehr Babanezhad
2. **A Bayesian Approach to Inferring the Contribution of Unobserved Ground Conditions to Observed Scores in Sports: The Example of Cricket**
Scott R. Brooker and Seamus Hogan
3. **Mendelian Randomisation using Instrumental Variable**
Magid Maatallah
4. **Individual Prediction Mathematical Models of Motor Activity Development of Children with the Cerebral Paralysis**
Alexander Wildemann, Anatoly Tashkinov and Vladimir Bronnikov

9.10–10.30 **Statistical Applications III** (Hall 2) *Chair: Simona Korenjak-Černe*

1. **Hierarchical Clustering of Population Pyramids Presented as Histogram Symbolic Data**
Nataša Kejžar, Simona Korenjak-Černe and Vladimir Batagelj
2. **The Survey Study about the Lifestyle of Young Generations in Thailand**
Vacharaporn Suriya-bhivadh
3. **Numerical Realization Nonlinear Regressions Dependences**
Lyumkis Victor
4. **Applications of Heavy Tailed Distributions for Modeling Human Behavior and Activities in Cyber Space**
Mohammad Ali Baradaran Ghahfarokhi, Parvin Baradaran Ghahfarokhi and Rahim Bahramian Dehkordi

10.30–10.50 **Break**

10.50–11.50 **Modeling and Simulation III** (Hall 1) *Chair: Giovanni Millo*

1. **Control Charts For Weibull, Gamma and Lognormal Distributions**
Derya Çalışkan and Canan Hamurkaroglu
2. **Statistical Modulation of a Human Health Problem in Albania**
Lueta Prifti, Etleva Beliu and Shpetim Shehu
3. **Non-linear Dimensionality Reduction for Functional Computer Code Modeling**
Benjamin Auder

12.00–12.20 **Closing of the conference** (Hall 1)

12.30–14.00 **Lunch**

14.00–18.00 **Workshop** (Hall 1)

1. **Practical Applications of Permutation Tests**
Phillip Good

