

Program Overview

		Hall 1	Hall 2	
Sunday	15.00 – 18.00	Workshop		
	18.00 – 19.00	Registration		
	19.00 – 21.00	Reception		
Monday	8.00 – 9.00	Registration		
	9.00 – 9.10	Opening of the Conference		
	9.10 – 10.00	Invited Lecture		
	10.00 – 10.20	Break		
	10.20 – 11.40	Education		
	11.40 – 12.00	Break		
	12.00 – 13.20	Mathematical Statistics	Other Areas of Statistics I	
	13.20 – 15.00	Lunch		
	15.00 – 16.20	Econometrics	Data Collection and Data Mining	
	16.20 – 16.40	Break		
	16.40 – 18.00	Modeling and Simulation I	Statistical Applications I	
	Tuesday	9.10 – 10.00	Invited Lecture	
10.00 – 10.20		Break		
10.20 – 12.00		Network Analysis	Other Areas of Statistics II	
12.00 – 12.20		Break		
12.20 – 13.20		Modeling and Simulation II	Statistical Applications II	
13.20 – 14.30		Lunch		
14.30		Excursion		
Wednesday	9.10 – 10.00	Invited Lecture		
	10.00 – 10.20	Break		
	10.20 – 11.40	Biostatistics and Bioinformatics I	Social Science Methodology	
	11.40 – 12.00	Break		
	12.00 – 13.20	Biostatistics and Bioinformatics II	Design of Experiments and Measurements	
	13.30 – 13.40	Closing of the conference		

15.00–18.00 **Workshop**
Hall 1

1. **Permutation-based multiple testing with R**
Livio Finos

18.00–19.00 **Registration**

19.00–21.00 **Reception**

8.00–9.00 **Registration**

9.00–9.10 **Opening of the Conference**
Hall 1

Chair: Andrej Blejec

9.10–10.00 **Invited Lecture**
Hall 1

Chair: Andrej Blejec

1. How can data science improve statistics education?

Deborah Nolan

10.00–10.20 **Break**

10.20–11.40 **Education**
Hall 1

Chair: Deborah Nolan

1. Five myths about variable selection

Georg Heinze and Daniela Dunkler

2. Teaching convergence of random variables with down-to-earth examples

Nina Ružić Gorenjec and Maja Pohar Perme

3. Presentation of statistical concepts with dynamic graphics

Andrej Blejec

11.40–12.00 **Break**

12.00–13.20 **Mathematical Statistics**
Hall 1

Chair: Mihael Perman

1. Symbolic input-output analysis: A harmonic analysis approach to joint statistical distributions

Andrej Srakar

2. On the pricing barrier control in a regime-switching regulated market

Chihoon Lee

3. Two-sample rank test based on Lee distance

Nikolay I. Nikolov

12.00–13.20 **Other Areas of Statistics I**
Hall 2

Chair: Janez Stare

1. **Loss triangle: An application of copula regression**
Rümeysa Karataş and Uğur Karabey
2. **A comparison of hierarchical clustering of categorical data with and without a binary data transformation**
Jana Cibulková, Zdeněk Šulc, Hana Řezanková and Sergej Sirota
3. **The challenges of the official statistics by and after 2020**
Jaroslav Sixta
4. **A cograduation-based trend analysis of demographic, economic and social variables among European and African countries**
Maurizio Brizzi and Francesco Scalone

13.20–15.00 **Lunch**

15.00–16.20 **Econometrics**
Hall 1

Chair: Maurizio Brizzi

1. **Panel analysis of impact of economic development on female labor force participation rate**
Stojanka Dakić and Mirko Savić
2. **Bayesian inference of local projections with roughness penalty priors**
Masahiro Tanaka
3. **Household debt and its ripple effects on wellbeing in rural Thailand**
Thanawit Bunsit
4. **Technical profitability in a large motor insurance market: national vs. local drivers**
Giovanni Millo

15.00–16.20 **Data Collection and Data Mining**
Hall 2

Chair: Livio Finos

1. **Maximize profitability of the retention campaign in the banking sector using data mining methods**
Iveta Stankovicova
2. **Analysing migration trajectories using dynamic topological data analysis**
Ulrich Pötter and Ingrid Schockaert
3. **Big data statistics and modeling for biopotential optimization**
Zelimir Kurtanjek
4. **Literature-based discovery for interpretation of next-generation sequencing data**
Dimitar Hristovski, Gaber Bergant, Andrej Kastrin and Borut Peterlin

16.20–16.40 **Break**

16.40–18.00 **Modeling and Simulation I**
Hall 1

Chair: Matevž Bren

1. **Hidden Markov model for earthquake forecasting in Aegean Sea**
Ozgur Danisman and Umay Uzunoglu Kocer
2. **Khmaladze transform and randomness tests in model diagnostic**
Kilani Ghoudi
3. **A multilevel approach in the study in milk production in Portuguese dairy farms**
Pedro Oliveira, Elisabete G. Martins, Denisa Mendonça, Bruno M. Oliveira and João Niza-Ribeiro

16.40–18.00 **Statistical Applications I**
Hall 2

Chair: Giovanni Millo

1. **Revisiting CAPM model with quantile regression: Creating investment strategies on Zagreb Stock Exchange**
Tihana Škrinjarić and Marina Slišković
2. **Optimal switching hedging strategy in equity-linked products with guarantees**
Ana Zalokar and Mihael Perman
3. **Model averaging in discrete choice analysis of hotel selection**
Antti M. Liski and Erkki P. Liski
4. **An analysis of factors affecting Thai exports in ASEAN**
Anas Yusoh and Thanawit Bunsit

9.10–10.00 **Invited Lecture**
Hall 1

Chair: Anuška Ferligoj

1. **Reconstructing networks with heterogeneous and unknown errors**
Tiago de Paula Peixoto

10.00–10.20 **Break**

10.20–12.00 **Network Analysis**
Hall 1

Chair: Tiago de Paula Peixoto

1. **Spatial and network decomposition of electoral volatility**
Aleksandar Tomašević, Valentina Sokolovska and Bojana Dinić
2. **The emergence of the core-cohesive blockmodel**
Marjan Cugmas, Aleš Žiberna and Anuška Ferligoj
3. **Adapting k -means like approach for blockmodeling one-mode and linked networks**
Aleš Žiberna
4. **The Zipf-PE Distribution. An alternative distribution for modeling the degree sequence of real networks**
Ariel Duarte-López, Ziva Ramšak and Marta Pérez-Casany
5. **Social network analysis: The evolution of the field**
Daria Maltseva and Vladimir Batagelj

10.20–12.00 **Other Areas of Statistics II**
Hall 2

Chair: Maja Pohar Perme

1. **Statistical comparison of machine learning algorithms with respect to multiple performance measures**
Lara Dular and Ljupčo Todorovski
2. **Comparison of the efficiency of obtaining double haploid lines of wheat with and without rye translocation**
Zygmunt Kaczmarek, Tadeusz Adamski, Maria Surma, Stanislaw Mejza, Anetta Kuczynska, Piotr Ogradowicz and Krzysztof Mikolajczak
3. **Statistical approach to evaluate of phenotypic variation of barley varieties regarding roots and shoots characteristics**
Anetta Kuczynska, Maria Surma, Krzysztof Mikolajczak, Piotr Ogradowicz, Zygmunt Kaczmarek, Iwona Mejza and Michal Kempa
4. **Adjustment to a chronic disease: Are optimism and social support mediators between psychosocial factors and quality of life?**
Estela Vilhena, José Luís Pais Ribeiro and Denisa Mendonça

12.00–12.20 **Break**

12.20–13.20 **Modeling and Simulation II**

Hall 1

Chair: Aleš Žiberna

1. **Adaptive estimation for multifactor polynomial regression**
Aysen Dener Akkaya and Ozlem Turker Bayrak
2. **Bootstrap and heuristic methodologies in the statistical analysis of extreme values**
Helena Penalva, M. Manuela Neves and Sandra Nunes
3. **Fuzzy mortality models based on orthonormal expansion of membership functions**
Agnieszka Rossa and Andrzej Szymanski
4. **Statistical description of particle movement in a Chladni experiment**
Igor Grabec and Nikolaj Sok

12.20–13.20 **Statistical Applications II**

Hall 2

Chair: Nataša Kejžar

1. **Establishing activity levels and prescribing lower-limb prostheses using walking tests: Statistical approaches and clinical considerations**
Gaj Vidmar, Neža Majdič and Helena Burger
2. **Adjusting a subject-specific timing of event in longitudinal studies**
Myung Hee Lee, Hyunkeun Ryan Cho and Seonjin Kim
3. **Joint modelling for longitudinal and time-to-event in health sciences**
Inês Sousa
4. **Providing patients visiting Emergency Departments with useful information using public real time data: A case study based on Italian data**
Lara Lusa and David Bukovšek

13.20–14.30 **Lunch**

14.30 **Excursion**

9.10–10.00 **Invited Lecture**
Hall 1

Chair: Lara Lusa

1. **Multivariate permutation tests**
Fortunato Pesarin

10.00–10.20 **Break**

10.20–11.40 **Biostatistics and Bioinformatics I**
Hall 1

Chair: Fortunato Pesarin

1. **Liquid association for large scale data analysis**
Ker-Chau Li
2. **A Bayesian semiparametric approach for analysing the effect of longitudinal covariate profiles on a continuous outcome**
Dhiman Bhadra
3. **A comprehensive study on assessing the predictive accuracies of longitudinal biomarkers in intensive care unit setting**
Naime Meric Konar, Eda Karaismailoglu and Ahmet Ergun Karaagaoglu

10.20–11.40 **Social Science Methodology**
Hall 2

Chair: Gaj Vidmar

1. **Panel attrition modelling based on cadastral register data — help or hype?**
Kerstin Lippert and Ulrich Pötter
2. **Creating child well-being index: Methodological aspect**
Mateja Nagode and Urban Boljka
3. **Indicator weighting in composite scores: An old wisdom revisited**
Gregor Sočan

11.40–12.00 **Break**

12.00–13.20 **Biostatistics and Bioinformatics II**
Hall 1

Chair: Georg Heinze

1. **Joint modelling of longitudinal and survival data taking competing risks into account**
Denisa Mendonça, Inês Sousa, Anabela Rodrigues and Laetitia Teixeira
2. **Crude mortality and net survival**
Maja Pohar Perme

3. Optimal integration of heterogeneous cohorts for global prostate cancer risk assessment

Johanna E. Straubinger and Donna P. Ankerst

12.00–13.20 Design of Experiments and Measurements

Hall 2

Chair: TBD

1. So, who is pregnant? Automatic identification of pregnancy from infertility support forum posts

Vanja Erčulj

2. Smartphone application? Moving towards new methods in data collection

Darka Jezeršek Žerjal

3. Transition to Web data collection in household surveys at SURS—what have we learned so far

Marta Arnež, Eva Belak, Nataša Bučar, Mihaela Nemeč, Katja Rutar and Luka Zupanc

13.30–13.40 Closing of the conference

Hall 1

Chair: Andrej Blejec