27th Young Statisticians Meeting

Friday, 29 September 2023 - Sunday, 1 October 2023

School of Applied Mathematics and Informatics, University of Osijek, Croatia

Scientific Programme

Programme of the 27th Young Statisticians Meeting

Friday, September 29, 2023

18:00 – 19:30 Registration at School of Mathematics and Informatics, University of Osijek

Saturday, September 30, 2023

8:00 – 8:30 Registration at School of Mathematics and Informatics, University of Osijek

8:30 – 9:00 Opening of the Conference

9:00 – 10:30 Session 1: Statistics in Finance and Energy Markets

Chair: Ksenija Dumičić
Ivana Cunjak Mataković (Croatia):
Selected statistical methods for outliers' detection for discovering financial manipulations with crypto–assets
Dominik Mihalčić (Croatia): *Models for natural gas consumption*
Anja Žavbi Kunaver (Slovenia): *The challenge of multiple testing: Case of emission coupons trading*

10:30-11:00 Coffee break

11:00 – 12:30 Session 2: Statistics in Social Sciences

Chair: David Simon and Luka Kronegger
Vili Smolič (Slovenia):
Linguistic analysis of suicide related questions in the online counselling service This is me
Michaela Bersia (Italy): *A Bayesian framework assessing temporal trends of suicidality among hospitalized adolescents during COVID-19 pandemic*
Bendeguz Zaboretzky (Hungary): *Depression in times of a pandemic – the impact of COVID-19 on the lay discourses of e-mental health communities*

12:30-13:30 Lunch break

13:30-14:30 Session 3: Mathematical Statistics

Chair: Peter Filzmoser
Daniel Strenger (Austria): *Measuring dependence between a scalar response and a functional covariate*
Patrick Benjamin Langthaler (Austria): *Quantifying and estimating dependence via sensitivity of conditional distributions*

14:30-15:00 Coffee break

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15:00-16:00 Session 4: Mathematical Statistics

Chair: Nenad Šuvak
Andrea Vlahek Štrok (Croatia): *Asymptotic behavior of an approximate maximum likelihood estimator of drift parameters in a multidimensional diffusion model*
Michael Suja (Hungary): *Asymptotic theorems for contaminated runs of heads in the coin tossing experiment*

18:00-20:00 Guided city tour (start from the School of Applied Mathematics and Computer Science)

20:00 Conference dinner (Hotel Osijek, Šamačka 3, 31000 Osijek)

Sunday, October 1, 2023

10:00 – 11:30 Session 5: Statistical Methodology and Medical Statistics

Chair: Paola Berchialla
Maria Vittoria Chiaruttini (Italy): *Sample size calculation algorithm in two-stage three-arm sequential non-inferiority clinical trials: A simulation study*
Piercesare Grimaldi (Italy): *Study of Risk Factors for Pulmonary Exacerbations in Patients with Cystic Fibrosis and the Effects of New CFTR Modulator Therapy on Chronic Bronchial Infection and Pulmonary Exacerbations in a Real-Life Study*
Stefan Embacher (Austria): *Modelling antibody kinetics – When and how often to measure?*

11:30 Refreshment and closing of the conference