



81st International Scientific
Conference of the
University of Latvia 2023

Mathematical Statistics and Data Science

Thursday, 30 March 2023, 2:30 PM
House of Science, Jelgavas street 3, Riga

Programme

Chair: Prof. Jānis Valeinis		
2:30 – 2:40 PM	Opening	
2:40 – 3:00 PM	Jānis Valeinis <i>Laboratory of Statistical Research and Data Analysis, University of Latvia</i>	Collaboration perspectives and future research directions in Laboratory of Statistical Research and Data Analysis
3:00 – 3:20 PM	Māra Delesa-Vēliņa <i>Laboratory of Statistical Research and Data Analysis, University of Latvia</i>	Covariate adjustment using robust estimation
3:20 – 3:40 PM	Leonora Pahirko <i>Laboratory of Statistical Research and Data Analysis, University of Latvia</i>	Restricted mean survival time for two samples
3:40 – 4:00 PM	Artis Alksnis <i>Laboratory of Statistical Research and Data Analysis, University of Latvia</i>	Practical recommendations for the empirical likelihood method
4:00 – 4:20 PM	Artis Luguzis <i>Laboratory of Statistical Research and Data Analysis, University of Latvia</i>	Use of meta-analysis methods to combine results from studies with weighted data
4:20 – 4:40 PM	Emīls Siliņš <i>Faculty of Physics, Mathematics and Optometry, University of Latvia</i>	Statistical inference problems for long-range dependent data
4:40 – 5:00 PM	Coffee break	

5:00 – 5:20 PM	Reinis Alksnis <i>Laboratory of Statistical Research and Data Analysis, University of Latvia</i>	Empirical Likelihood method for quantile inference
5:20 – 5:40 PM	Emīls Kalugins <i>Faculty of Physics, Mathematics and Optometry, University of Latvia</i>	Bartlett corrections for the two-sample empirical likelihood function
5:40 – 6:00 PM	Jānis Gredzens <i>Laboratory of Statistical Research and Data Analysis, University of Latvia</i>	Optimal smoothing parameter for empirical likelihood
6:00 – 6:20 PM	Dace Pētersone <i>Laboratory of Statistical Research and Data Analysis, University of Latvia</i>	Fuzzy Logic in AI
6:20 – 6:40 PM	Rūdolfs Krēgers <i>Faculty of Physics, Mathematics and Optometry, University of Latvia</i>	Rejection inference in predictive modelling
6:40 – 7:00 PM	Elvijs Avenītis <i>Laboratory of Statistical Research and Data Analysis, University of Latvia</i>	Advances in generative deep learning models for financial sector
7:00 PM	Conclusions and discussion over a coffee	