

30th Polish-Slovak-Ukrainian Scientific Seminar
Kraków, 24th–25th October, 2024

**STATISTICAL METHODS IN MODERN
SOCIETY: THEORY AND APPLICATIONS**

Honorary patronage



dr hab. Bernard Ziębicki, prof. UEK
Rector of the Krakow University of Economics

The Seminar is co-financed by the National Science Centre granted as part of the grant No. 2019/5/B/HS4/01185, entitled “Determinanty i możliwości ograniczenia emisji CO₂ przy zachowaniu wzrostu gospodarczego – badanie dla krajów o różnym poziomie rozwoju”, project manager dr hab. Monika Papież, prof. UEK



KRAKOW
UNIVERSITY
OF ECONOMICS

30th Polish-Slovak-Ukrainian Scientific Seminar

Statistical Methods in Modern Society: Theory and Applications

Kraków, 24th–25th October, 2024

SEMINAR PROGRAMME

October 24th (Thursday)

9:00	Opening Ceremony: Rector of the Krakow University of Economics Director of Institute of Quantitative Methods in Social Sciences, Krakow University of Economics
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The First Session

Chair: Erik Šoltés, prof. mgr., PhD.

9:15–10:00	Józef Pociecha, prof. dr hab., Krakow University of Economics Polish-Slovak-Ukrainian Scientific Seminars – 30 Years of Mutual Cooperation Discussion
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The Second Session

Chair: Paweł Ulman, dr hab., prof. UEK

10:00–10:30	Tetiana Kmytiuk, PhD, Kyiv National Economic University named after Vadym Hetman Risk Factors Analysis and Assessment in the Agriculture Sector of Ukraine Discussion
10:30–11:00	Mária Vojtková, doc. ing., PhD., University of Economics in Bratislava The Influence of Income Poverty on Household Consumer Behavior in the Slovak Republic Discussion
11:00–11:30	Marcin Salamaga, dr hab., prof. UEK, Krakow University of Economics Modeling the Impact of Socio-economic Factors on the Diffusion of Wind Energy in Selected EU Countries Discussion
11:30–11:45	Coffee break

The Third Session

Chair: Mária Vojtková, doc. ing., PhD.

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| 11:45–12:15 | Anatol Pilyavskyy, prof. dr hab., Lviv University of Trade and Economics
Multicriteria Optimization with Data Envelopment Analysis
Discussion |
| 12:15–12:45 | Erik Šoltés, prof. mgr., PhD., University of Economics in Bratislava
Changes in the At-risk-of-poverty in Poland and Slovakia in the Crisis Period After 2019
Discussion |
| 12:45–13:15 | Roman Huptas, PhD, Krakow University of Economics
A comparison of alternative Bayesian ACV models via density and interval forecasts: Evidence from intraday volume data of equity markets
Discussion |
| 13:15–14:15 | Lunch break |

The Fourth Session

Chair: Anatol Pilyavskyy, prof. dr hab.

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| 14:15–14:45 | Paweł Ulman, dr hab., prof. UEK, Krakow University of Economics
Multidimensional Analysis of the Housing Situation in Poland
Discussion |
| 14:45–15:15 | Ľubica Hurbánková, ing., PhD., University of Economics in Bratislava
Comparison of European Union Countries Based on Selected Indicators of Poverty and Social Exclusion Before and After the COVID-19 Pandemic
Discussion |
| 15:15–15:45 | Barbara Pawełek, dr hab., prof. UEK, Maria Sadko, MSc, Krakow University of Economics
Bankruptcy prediction: bibliometric analysis of publications in the Scopus database
Discussion |
| 15:45–16:00 | Coffee break |
| 16:00–17:30 | Kraków sightseeing |
| 19:00 | Concert |

19:30 | Ceremonial dinner

October 25th (Friday)

The Fifth Session

Chair: Monika Papież, dr hab., prof. UEK

9:00–9:30

Viera Labudová, doc. RNDr., PhD., Daniela Sivašová, RNDr., PhD., University of Economics in Bratislava

Digitalization and Its Impact on Poverty in EU Countries

Discussion

9:30–10:00

Kornelia Kłopecka, MSc, Krakow University of Economics

Energy poverty and the share of food and energy expenditures in households in Poland in 2021

Discussion

10:00–10:30

Marharyta Mazur, PhD, Kyiv National Economic University named after Vadym Hetman

Statistical Analysis of Tendencies and Regularities in Ukraine's Foreign Trade of Dairy Products

Discussion

10:30–10:45

Coffee break

The Sixth Session

Chair: Tetiana Kmytiuk, PhD

10:45–11:15

Małgorzata Ćwiek, PhD, Krakow University of Economics, Kamila Trzcińska, PhD, University of Lodz

Comparison of the Three-parameter Models of Income Distribution Based on Selected European Countries

Discussion

11:15–11:45

Olha Osypova, PhD, Kyiv National Economic University Vadym Hetman

Convergence of Ukrainian Regions in Staple Food Consumption: Implications for Food Security

Discussion

11:45–12:15

Agnieszka Wałęga, dr hab., prof. UEK, Grzegorz Wałęga, dr hab., prof. UEK, Krakow University of Economics

The Influence of Child Benefits on Debt Repayment: A Case Study of households in Poland

Discussion

12:15–12:30 **Closing ceremony**

13:00–14:00 Lunch break

Notice: the speakers are requested to present their papers in **20 minutes**, 10 minutes are planned for the discussion on each paper.

Seminar language: English (Polish, Slovak and Ukrainian are also allowed).

Seminar presentations: only in English

Place of meeting:

Krakow University of Economics; Rakowicka 27; Krakow

24.10.2024 Museum hall, Main Building

25.10.2024 Professor Hall, Main Building