

PROGRAMME



BRATISLAVA UNIVERSITY OF ECONOMICS AND BUSINESS
FACULTY OF ECONOMIC INFORMATICS
DEPARTMENT OF STATISTICS



31th Slovak-Polish-Ukrainian Scientific Seminar

Quantitative Methods

in Socio-Economic Research – from Theory to Impact

Bratislava, 23rd – 24th October, 2025



22nd October (Wednesday)

Afternoon
18:30 | Registration of participants
Dinner

23rd October (Thursday)

8:00 | Breakfast
Opening Ceremony:
Mária Vojtková, *Head of Department of Statistics, Bratislava University of Economics and Business*
9:00 | **Erik Šoltés**, *Dean of Faculty of Economic Informatics, Bratislava University of Economics and Business*

The First Session

Chairperson: Paweł Ulman (Krakow University of Economics)

9:15-9:45 | Erik Šoltés (Bratislava University of Economics and Business)
MAPPING VULNERABILITY TO SEVERE MATERIAL AND SOCIAL DEPRIVATION IN SLOVAKIA AND CZECHIA DURING THE POLYCRISIS ERA
Discussion

9:45-10:15 | Józef Pociecha - Barbara Pawełek - (Krakow University of Economics)
CO-OCCURRENCE NETWORKS, AND THEMATIC EVOLUTION MAPPING OF KEYWORDS IN PUBLICATIONS ON MACHINE AND STATISTICAL LEARNING
Discussion

10:15-10:45 | Tetiana Kmytiuk (Kyiv National Economic University named after Vadym Hetman)
APPLICATIONS OF MACHINE LEARNING FOR SUSTAINABLE AGRICULTURE
Discussion

10:45-11:15 | Marcin Salamaga (Krakow University of Economics)
APPLICATION OF CONJOINT ANALYSIS IN THE STUDY OF GREEN BEHAVIOUR AMONG ENTERPRISES IN THE SOUTHERN REGION OF POLAND
Discussion

11:15-11:30 | Coffee break

Note | the authors are requested to present their papers in 20 minutes and leave 10 minutes for discussion.

The Second Session

Chairperson: Józef Pociecha (Krakow University of Economics)

11:30-12:00	Paweł Ulman (Krakow University of Economics) <i>DISABILITY IN POLISH AND EUROPEAN STATISTICAL RESEARCH</i> Discussion
12:00-12:30	Silvia Komara – Martina Košíková (Bratislava University of Economics and Business) <i>MACHINE LEARNING AND EXPLAINABLE AI FOR ASSESSING INCOME POVERTY RISK IN SLOVAKIA: EVIDENCE FROM EU-SILC 2023</i> Discussion
12:30-13:00	Malgorzata Ćwiek – Kamila Trzcińska (Krakow University of Economics) <i>INCOME DISPARITIES AMONG PEOPLE WITH DISABILITIES: THE ROLE OF EDUCATION</i> Discussion
13:15-14:15	Lunch
15:30-17:00	Sightseeing in Bratislava
18:30 –	Dinner

24th October (Friday)

8:00 | Breakfast

The Third Session

Chairperson: Tetiana Kmytiuk (Kyiv National Economic University named after Vadym Hetman)

9:00-9:30	Patrik Mihalech (Bratislava University of Economics and Business) <i>TECHNICAL PRICING OF NATCAT RISKS IN PRIVATE PROPERTY PORTFOLIOS</i> Discussion
9:30-10:00	Agnieszka Wałęga – Grzegorz Wałęga (Krakow University of Economics) <i>SOCIOECONOMIC FACTORS AFFECTING FINANCIAL FRAGILITY IN CENTRAL AND EASTERN EUROPE</i> Discussion
10:00-10:30	Ádám Csápai (Bratislava University of Economics and Business) <i>FORECASTING IN A SMALL OPEN ECONOMY: LESSONS FROM MACHINE LEARNING</i> Discussion
10:30-10:45	Coffee break

24th October (Friday)

The Forth Session

Chairperson: Mária Vojtková (Bratislava University of Economics and Business)

10:45-11:15

Sabina Augustin – Janusz Niezgoda (Krakow University of Economics)

*THE IMPACT OF INTENTIONAL NONRESPONSE ON SURVEY ESTIMATES: A
POPULATION-SAMPLE COMPARATIVE ANALYSIS*

Discussion

11:15-11:45

Yaroslava Ishchuk (Kyiv National Economic University named after Vadym
Hetman)

*CHALLENGES AND PROSPECTS OF UKRAINE'S CORN EXPORT POTENTIAL UNDER
WARTIME CONDITIONS*

Discussion

11:45-12:15

Lívia Krajčíková (Bratislava University of Economics and Business)

*DELAYED HOUSING INDEPENDENCE OF YOUNG ADULTS IN SLOVAKIA IN 2019
AND 2023*

Discussion

12:15-12:30

Closing

12:30-14:00

Lunch

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

Seminar presentations: only in English



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PARTNERS OF CONFERENCE

