The 13th International Conference

The Use of R in Official Statistics uRos2025

PROGRAMME

**On-site event
Hosted by Romanian National Institute of Statistics
Bucharest, Romania
24-26 November 2025**

http://urosconf.org/

SCIENTIFIC BOARD

Tudorel Andrei (President, National Institute of Statistics - Romania)
Roxana Adam (IMT Alti Studi Lucca, Italy)
Gergely Daróczi (RX Studio, USA/Hungary)
Adrian Dușa (University of Bucharest, Romania)
Claudiu Herteliu (Bucharest University of Economic Studies, EMOS Board, România)
Edwin de Jonge (Statistics Netherlands, The Netherlands)
Marius Nicolae Jula (University of Bucharest, Romania)
Kamarul Ariffin Mansor (MARA University of Technology, Malaysia)
Alina Matei (University of Neuchatel, Switzerland)
Esperanza Magpantay (International Telecommunication Union-ITU)
Bernhard Meindl (Statistics Austria, Austria)
Matyas Meszaros (Eurostat, Luxemburg)
Bogdan Oancea (University of Bucharest, Romania)
Marcello d'Orazio (Italian National Institute of Statistics - Rome, Italy)
Mihaela Păun (University of Bucharest)
Silvia Pisică (Statistics Romania)
Daniela Ștefănescu (Statistics Romania)
Matthias Templ (University of Applied Sciences and Arts Northwestern Switzerland)
Valentin Todorov (UNIDO, Vienna Austria)
Kazumi Wada (Ministry of Internal Affairs and Communications, Japan)
Sebastian Wójcik (Statistics Poland)

ORGANIZING COMMITTEE

Ana Maria Ciuhu (Statistics Romania and Institute of National Economy, Romanian Academy)
Ciprian Alexandru (Ecological University of Bucharest)
Alexander Kowarik (Statistics Austria)
Mark van der Loo (Statistics Netherlands)
Bogdan Oancea (University of Bucharest)
Marian Necula (National Research and Development Institute for Biological Sciences and University of Bucharest)
Silvia Pisică (Statistics Romania)
Daniela Ștefănescu (Statistics Romania)
Raluca-Mariana Drăgoescu (Statistics Romania)
Anna Smyk (INSEE, France)
Adriana Dârdală (Bucharest University of Economic Studies)
Sebastian Wójcik (Statistics Poland)

SECRETARIATE

Ana Maria Ciuhu, Monica Rafu, Simona Toma, Gabriela Deacu, Iuliana Negru
(National Institute of Statistics, Romania)

CONTACT

urosconf [at] gmail.com

PROGRAMME

Blue Hall and Conference Room, *National Institute of Statistics*, Ground Floor

November 24, Monday, Blue Hall

09^{00} – 09^{45} **Registration of participants**

09^{45} - 10^{00} **Welcome message**

10^{00} – 12^{00} **Tutorial session I**
 "Painlessly Improve Your Git History"
Maëlle SALMON, rOpenSci, France

12^{00} – 13^{00} **Lunch break**

13^{00} – 15^{00} **Tutorial session II**
"Hands-on Bayesian Demographic Accounting: A Practical Tutorial on the R Packages Behind the UK's Dynamic Population Model (DPM)**"**
Daniel WARD and Duncan ELLIOTT, Office for National Statistics, UK

15^{00} – 15^{30} **Coffee break**

15^{30} – 17^{30} **Tutorial session III**
"Introduction to Network Analyses for Official Statistics"
Mark van der Loo, Statistics Netherlands and University of Leiden

November 25, Tuesday, Conference Room

9^{00} – 9^{30} **Walk In**

9^{30} – 10^{30} *Keynote Speaker 1:* Maëlle SALMON, rOpenSci, France
Chairman: Alexander KOWARIK, Statistics Austria
Presentation – R packages, good vibes only

10^{30} – 11^{00} **Coffee break**

11^{00} – 12^{30} **EMOS Session**
Chairman: Tina Steenvoorden, Eurostat

Clusterwise Tensor GAM–NB for NUTS-3 Regional Air-Pollution Mortality in Italy
Francesca DEL DUCA, *University of the Study of Campania Luigi Vanvitelli, Italy*

Impact of Globalization on Macroeconomic Statistics
Fahad FAYAZ, *EMOS Student, Czech Republic*

Partial Correlation Network Analysis of Well-being Indicators in Italian Provinces Using EBICglasso
Francesca TAMBURRINO, *University of the Study of Campania Luigi Vanvitelli, Italy*

Small Area Estimation of Unemployment Rates Using Big Data: Integration of Labor Force Surveys with Geospatial Data
Joseph NYAJUOGA, *Örebro University School of Business, Sweden*

12³⁰ – 14⁰⁰   **Lunch Break & Group Photo**

14⁰⁰– 15⁰⁰   **Scientific Session *Automating and Operationalizing, Advanced Analytics and AI***
Chairman: Bogdan OANCEA, University of Bucharest

ARTIC: Automatic Random error Treatment and Imputation for Categorical variables
Simona TOTI, *Italian National Institute of Statistics (ISTAT)*
Romina FILIPPINI, *Italian National Institute of Statistics (ISTAT)*

procR: An R Package for Fast and Intuitive Custom Cross-Tabulations of Microdata
Younes SAIDANI, *Federal Statistical Office Germany (Destatis)*

Research Software Engineering in Official Statistics
Reijer IDEMA, *Statistics Netherlands (CBS)*

Validating data on education finance using R: a user-friendly tool for national statistical offices
Viktoria KIS, *Directorate for Education and Skills (OECD)*
Simon NORMANDEAU, *Directorate for Education and Skills (OECD)*
Erika LEE, *Directorate for Education and Skills (OECD)*

15⁰⁰ – 15³⁰   **Coffee break**

15³⁰ – 16⁴⁵   **Scientific Session *Core Methods for Official Statistics***
Chairman: Mark VAN DER LOO, Statistics Netherlands (CBS)

tRansparent deep/machine learners for official statistics
Violeta CALIAN, *Statistics Iceland*

dpmaccount: Fast and Flexible Bayesian Demographic Accounting in R with Template Model Builder
Daniel WARD, *Office for National Statistics (ONS), UK*
Duncan ELLIOTT, *Office for National Statistics (ONS), UK*

Using FH model for estimating AROP rate in small areas in Croatia
Ivana LEVAČIĆ, *Croatian Bureau of Statistics*
Lidija GLIGOROVA, *Croatian Bureau of Statistics*

Review of (some) R tools for seasonal adjustment of high frequency data
Anna SMYK, *Statistics France (INSEE)*

finitization: A New R Package for Efficient Approximation of Discrete Distributions
Bogdan OANCEA, *University of Bucharest and National Institute of Research and Development for Biological Sciences, Romania*
James J. COCHRAN, University of Alabama
Mihaela PAUN, *University of Bucharest and National Institute of Research and Development for Biological Sciences, Romania*

16⁴⁵ – 17⁴⁵   Scientific Session *Data Access, Integration, and Metadata*
Chairman: Anna SMYK, INSEE France

Robust and fast data synthesis with the synthesizer package
Mark VAN DER LOO, *Leiden University Medical Center (LUMC), Netherlands*
Marije SLUISKES, *Leiden University Medical Center (LUMC), Netherlands*
Mishca Jacobs, *Leiden University Medical Center (LUMC), Netherlands*
Maria Anthoulaki, *Leiden University Medical Center (LUMC), Netherlands*

The awesome official statistics software landscape: state of play and future directions
Olav TEN BOSCH, *Statistics Netherlands (CBS)*
Mark VAN DER LOO, *Statistics Netherlands (CBS)*

Spatial Interdependence of Firm Profitability in Romania: A Regional Econometric Analysis
Horațiu-Gabriel TIBREA-MARCU, *The Bucharest University of Economic Studies, Romania*
Ioana-Diana PETRE, *The Bucharest University of Economic Studies, Romania*
Marian DARDALA, *The Bucharest University of Economic Studies, Romania*
Titus Felix FURTUNA, *The Bucharest University of Economic Studies, Romania*

Developing a Composite Index Prototype with R: An Application for SDG Monitoring
Eduard LUCA, *Romanian National Institute of Statistics (INS)*
Ana-Maria CIUHU, *Institute of National Economy, Romanian Academy*
Ioan-Silviu VÎRVA, *Romanian National Institute of Statistics (INS)*

17⁴⁵ – 18⁰⁰   Handover to uRos 2026 Organizers

19⁰⁰   Official dinner

November 26, Wednesday, Conference Room

8^{30} **– 9**^{00} **Walk In**

9^{00} **– 10**^{00} ***Keynote Speaker 2:*** Tobias Schoch, *University of Applied Sciences Northwestern Switzerland (FHNW)*
Chairman: *Mark VAN DER LOO, Statistics Netherlands (CBS)*
Presentation - Robust estimation with survey data

10^{00} **– 10**^{30} **Coffee break**

10^{30} **– 12**^{00} **Scientific Session** ***Sampling, Estimation, and Data***
Chairman: Bernhard MEINDL, Statistics Austria

Mapping poverty at the level of subregions using a univariate Fay-Herriot model
Marcin SZYMKOWIAK, *Poznań University of Economics and Business, Statistics Poland*

vimpute(): An extension of the imputation methods in the VIM package
Eileen VATTHEUER, Statistics Austria
Nina NIEDERHAMETNER, *Statistics Austria*
Alexander KOWARIK, *Statistics Austria*
Johannes GUSSENBAUER, *Statistics Austria*

UnitMix: An R Package for Detecting and Correcting Unity Measure Errors via Gaussian Mixture Modeling
Cristina FARICELLI, *Italian National Institute of Statistics (ISTAT)*
Renato MAGISTRO, *Italian National Institute of Statistics (ISTAT)*

NMAR: An R Package for Estimation under Non-ignorable Non-response in Sample Surveys
Igor KOŁODZIEJ, *Warsaw University of Technology, Poland*
Mateusz IWANIUK, *Warsaw University of Technology, Poland*
Maciej BERĘSEWICZ, *Poznań University of Economics and Business, Poland*

Lightning talk: *surveysd - Overview with a Focus on New Features*
Johannes GUSSENBAUER, *Statistics Austria*
Alexander KOWARIK, *Statistics Austria*
Eileen VATTHEUER, *Statistics Austria*

Lightning talk: *Standardizing variance estimation in statistical production processes*
Claude LAMBORAY, *Statistics Luxembourg (STATEC)*
Lisa BORSI, *Statistics Luxembourg (STATEC)*
Guillaume OSIER, *Statistics Luxembourg (STATEC)*

12^{00} **– 13**^{00} **Lunch Break**

13⁰⁰ – 14³⁰   Scientific Session *Automating and Operationalizing, Advanced Analytics and AI*
Chairman: Alexander KOWARIK, Statistics Austria

Using the EurostatRTool for generating Turkiye's Human Development dashboard
Antonio GROSSO, *Eurostat, Unit C.1 – Macroeconomic Indicators, Luxembourg*
Rosa Ruggeri CANNATA, *Eurostat, Unit C.1 – Macroeconomic Indicators, Luxembourg*
Fethi Saban OZBEK, *Turkish Statistical Institute*

Seeing Red: Using R to Detect Survey Anomalies Before It's Too Late
Thomas DELCLITE, *Statistics Belgium* (Statbel)

How to build a statistics bot in almost no time?
Bernhard MEINDL, *Statistics Austria*
Johannes GUSSENBAUER, *Statistics Austria*
Alexander KOWARIK, *Statistics Austria*

XML Generator R-Shiny Web App: Using Case in Central Bank of Malta
Ibrahim Cagan KAYA, *Central Bank of Malta*

Harmonizing Greek Census Data Across Time
Athanasios STAVRAKOUDIS, *University of Ioannina, Greece*

14³⁰ – 15⁰⁰   Scientific Session *Reproducibility and Open Science*
Chairman: Ana-Maria CIUHU, Romanian National Institute of Statistics

scimetr: An R Package for Bibliometric Assessment of Countries, Institutions, and Researchers Using WoS Data
Borja LAFUENTE-REGO, *MODES group, Universidade da Coruña, Spain*
Rubén FERNÁNDEZ-CASAL, *MODES group, CITIC, Department of Mathematics, Faculty of Computer Science, Universidade da Coruña, Spain*
María José LOMBARDÍA-CORTIÑA, *MODES group, CITIC, Department of Mathematics, Faculty of Computer Science, Universidade da Coruña, Spain*
Julián COSTA, *MODES group, Department of Mathematics, Faculty of Computer Science, Universidade da Coruña, Spain*
Javier Tarrío SAAVEDRA, *MODES group, CITIC, INDITEX-UDC Chair in Artificial Intelligence for Green Algorithms, Department of Mathematics, Ferrol Engineering Polytechnic University College, Universidade da Coruña, Spain*

A framework for adopting/developing R packages that implement sound statistical methods for production of official statistics
Marcello D'ORAZIO, *Italian National Institute of Statistics (ISTAT)*

15⁰⁰ – 15³⁰   **Coffee break**

15³⁰– 16¹⁵   Scientific Session *Visualization, Mapping, and Dissemination*
Chairman: Ciprian ALEXANDRU, Ecological University of Bucharest

The use of R tools to synthetize microdata using classical and differential privacy methods
Andrzej MŁODAK, *Statistics Poland, Statistical Office in Poznań, Centre of Small Area Estimation, University of Kalisz, Inter-Faculty Department of Mathematics and Statistics, Poland*
Tomasz JÓZEFOWSKI, *Statistics Poland, Statistical Office in Poznań, Centre of Small Area Estimation, Poznań University of Economics and Business, Chair of Statistics, Poznań*
Grzegorz GRYGIEL, *Statistics Poland, Statistical Office in Poznań, Centre of Small Area Estimation*

Automatic Enforcement of Data Confidentiality in Official Statistics Using R Shiny
Fethi Saban OZBEK, *Turkish Statistical Institute*

Designing Effective Visualizations: Principles and Color in Practice
Madoyan HABET, *American University of Armenia*

16¹⁵ **Closing remarks**

Contact:

Address of National Institute of Statistics:
No.16 Libertatii Bvd., District 5, Bucharest, Romania
Telephone center: +4021 3181824; +4021 3181842
e-mail: urosconf [at] gmail.com

BRIEF AGENDA

Monday, 24 November 2025
9:00 - 9:45 Registration
9:45 – 10:00 Welcome message
10:00 - 12:00 Tutorial session I "Painlessly Improve Your Git History" by Maëlle Salmon, France
12:00 - 13:00 Lunch break
13:00 - 15:00 Tutorial session II "Hands-on Bayesian Demographic Accounting: A Practical Tutorial on the R Packages Behind the UK's Dynamic Population Model (DPM)" by Daniel Ward and Duncan Elliott, UK
15:00-15:30 Coffee break
15:30-17:30 Tutorial session III "Introduction to Network Analyses for Official Statistics" by Mark van der Loo, Statistics Netherlands and University of Leiden

Tuesday, 25 November 2025
09:00 – 09:30 Walk in
09:30 - 10:30 Keynote speaker 1 "R packages, good vibes only" by Maelle Salmon, France
10:30-11:00 Coffee break
11:00 - 12:30 EMOS Session
12:30 - 14:00 Lunch break and Group photo
14:00 - 15:00 Scientific session I Automating and Operationalizing, Advanced Analytics and AI
15:00-15:30 Coffee break
15:30-16:45 Scientific session II Core Methods for Official Statistics
16:45-17:45 Scientific session III Data Access, Integration, and Metadata
17:45-18:00 Handover to uRos 2026 Organizers
19:00 Official dinner

Wednesday, 26 November 2025
08:30 – 09:00 Walk in
09:00 - 10:00 Keynote speaker 2 "Robust estimation with survey data" by Tobias Schoch, Switzerland
10:00-10:30 Coffee break
10:30 - 12:00 Scientific session I Sampling, Estimation, and Data
12:00 – 13:00 Lunch break
13:00 - 14:30 Scientific session II Automating and Operationalizing, Advanced Analytics and AI
14:30 – 15:00 Scientific session III Reproducibility and Open Science
15:00-15:30 Coffee break
15:30-16:15 Scientific session IV Visualization, Mapping, and Dissemination
16:15 Closing remarks

CONFERENCE VENUE

National Institute of Statistics, Bucharest, Romania
Address of National Institute of Statistics:
No.16 Libertatii Bvd., District 5, Bucharest, Romania

GPS: 44°25'47.5"N 26°05'37.0"E