The 11th International Conference

The Use of R in Official Statistics uRos2023

PROGRAMME

On-site event
Hosted by Romanian National Institute of Statistics
Bucharest, Romania
12-14 December 2023

http://urosconf.org/

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Roxana Petcu, The Bucharest University of Economic Studies & National Institute of Statistics, Romania

CONTACT

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PROGRAMME

Blue Hall, *National Institute of Statistics*, Ground Floor

December 12, Tuesday

10^{00} – 10^{45} **Registration of participants**

10^{45} - 11^{00} **Welcome message**

11^{00} – 13^{00} **Tutorial session I**
"data.table and Rcpp, two possibilities to speed up your R processing"
Alexander KOWARIK, Statistics Austria

13^{00} – 14^{00} Lunch break

14^{00} – 16^{00} **Tutorial session II**
"Parallel computing in R"
Bogdan OANCEA, Romanian National Institute of Statistics & University of Bucharest

16^{00} – 16^{30} Coffee break

16^{30} – 17^{30} **Tutorial session III**
"Elevating Data Documentation Proficiency: Harnessing the Power of DDI for Official Statistics"
Adrian DUȘA, University of Bucharest

December 13, Wednesday

9^{00} – 9^{15} **Walk In**

9^{15} - 9^{30} **Welcome message**

9^{30} – 10^{30} *Keynote Speaker 1:* Mark VAN DER LOO, Statistics Netherlands (CBS)
Chairman: Alexander KOWARIK, Statistics Austria
Presentation - Modernizing Statistical Production Systems Using R

10^{30} – 11^{00} Coffee break

11^{00} – 12^{30} **Scientific Session** *Sampling and estimation*
Chairman: Ciprian ALEXANDRU, Ecological University of Bucharest

Transitioning Sample Surveys to R: insights from Statistics Lithuania
Donatas ŠLEVINSKAS, *State Data Agency, Statistics Lithuania*

Variance estimation with the R package gustave: the experience of STATEC
Claude LAMBORAY, Statistics Luxembourg (STATEC)
Dmitri LEBRUN, Statistics Luxembourg (STATEC)
Guillaume OSIER, Statistics Luxembourg (STATEC)

Use of Extreme Gradient Boosting to predict census variables
Lorenzo ASTI, Statistics Italy (ISTAT)
Loredana DI CONSIGLIO, Statistics Italy (ISTAT)
Tiziana PICHIORRI, Statistics Italy (ISTAT)

Use of R at NIS Romania: Focus on Calibration in Household Surveys
Ana-Maria CIUHU, Romanian National Institute of Statistics
Monica-Ioana RAFU, Romanian National Institute of Statistics

12³⁰ – 14⁰⁰   Lunch Break & Group Photo

14⁰⁰– 15⁰⁰   Scientific Session *Data cleaning*
Chairman: Bogdan OANCEA, Romanian National Institute of Statistics

Split-Apply-Combine with Dynamic Grouping
Mark Van Der Loo, Statistics Netherlands (CBS)

R Shiny apps for asymmetry analysis via selective editing
Mauro BRUNO, Statistics Italy (ISTAT)
Maria Serena CAUSO, Statistics Italy (ISTAT)
Giulio MASSACCI, Statistics Italy (ISTAT)
Francesco ORTAME, Statistics Italy (ISTAT)
Giuseppina RUOCCO, Statistics Italy (ISTAT)
Simona TOTI, Statistics Italy (ISTAT)

Assessing coherence between estimated distributions in R
Marcello D'ORAZIO, Statistics Italy (ISTAT)

15⁰⁰ - 15³⁰   Coffee Break

15³⁰ - 16³⁰   Scientific Session *R in Organization*
Chairman: Ana-Maria CIUHU, Romanian National Institute of Statistics

Access to official statistics from R: an overview
Olav TEN BOSCH, Statistics Netherlands (CBS)
Edwin DE JONGE, Statistics Netherlands (CBS)

Managing our R infrastructure with 400+ users
Bernhard MEINDL, Statistics Austria
Alexander KOWARIK, Statistics Austria

From SAS to R: moving to open source solutions in Romanian NSI
Bogdan OANCEA, Romanian National Institute of Statistics
Marian NECULA, Romanian National Institute of Statistics

16³⁰ - 17³⁰   Scientific Session *R in Production: Automation*
Chairman: Mark VAN DER LOO, Statistics Netherlands (CBS)

An automated machine-learning pipeline for statistical matching
Theresa KÜNTZLER, Federal Statistical Office Germany (Destatis)

Integrating a System for Automatic Classification of Economic Activities into Statistical Production: Challenges and Solutions
Athanassia CHALIMOURDA, Swiss Federal Statistical Office (SFSO), Data Science, AI and Statistical Methods, Statistical Methods
Lorenz HELBLING, Swiss Federal Statistical Office (SFSO), Interoperability and Registers, Business Registers Data

R & Jenkins - Open Source for Open Government
Philipp Bosch, Statistical Office of the Canton of Zurich, Switzerland

Official statistics and report automation and replication using R
Athanassios STAVRAKOUDIS, Applied Informatics and Computational Economics Lab, Department of Economics, Univesity of Ioannina, Greece

19⁰⁰   **Official DinneR**

December 14, Thursday

9⁰⁰ – 9³⁰   **Walk In**

9³⁰ – 10³⁰   *Keynote Speaker 2:* Isabella GOLLINI, UCD School of Mathematics and Statistics, Ireland
Chairman: Ciprian ALEXANDRU, Ecological University of Bucharest
Presentation - Programming and collaborations: roles and tools when using R

10³⁰ – 11⁰⁰   Coffee break

11⁰⁰ – 12⁰⁰   **Scientific Session *Disclosure control, dissemination and visualization***
Chairman: Marian NECULA, Romanian National Institute of Statistics

The bbkplot package: Deutsche Bundesbank Corporate Design in R – Motivation, Challenges, Benefits
Hendrik DOLL, Deutsche Bundesbank, Research Data and Service Centre
Daniel OLLECH, Deutsche Bundesbank, Research Data and Service Centre

At the coRe of UNIDO's revamped statistical publications
Martin Haitzmann, UNIDO, Austria

Improvements on sdcSpatial: privacy protected maps
Edwin DE JONGE, Statistics Netherlands

12⁰⁰ – 13⁰⁰   **Scientific Session *Using R in new data sources & R in production: data analysis***
Chairman: Bogdan OANCEA, Romanian National Institute of Statistics, University of Bucharest

New data sources and official statistics: An exemplary research workflow in R using different API wrapper packages
Yannik BUHL, Federal Statistical Office Germany (Destatis)

Difference on Evaluation Scores Considering Image Descriptions
Yukako TOKO, National Statistics Center, Japan
Mika SATO-ILIC, Institute of Systems and Information Engineering, Japan

Survey Monitoring with Paradata: Leveraging the Survey Solutions Paradata Viewer Application in R
Michael WILD, World Bank, Austria
Ciprian ALEXANDRU, Ecological University of Bucharest, Romania

Renewable energy and GHG emissions in European Union countries
Nicolae-Marius JULA, Faculty of Business and Administration, University of Bucharest
Dorin JULA, Institute of Economic Forecasting, Romanian Academy and Faculty of Financial Management, Ecological University of Bucharest

13^{00} Closing Remarks

Contact:

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BRIEF AGENDA

Tuesday, 12 December 2023
10:00 - 10:45 Registration
10:45 – 11:00 Welcome message
11:00 - 13:00 Tutorial session I "data.table and Rcpp, two possibilities to speed up your R processing" by Alexander Kowarik
13:00 - 14:00 Lunch break
14:00 - 16:00 Tutorial session II "Parallel computing in R" by Bogdan Oancea
16:00-16:30 Coffee break
16:30-17:30 Tutorial session III "Elevating Data Documentation Proficiency: Harnessing the Power of DDI for Official Statistics" by Adrian Dusa
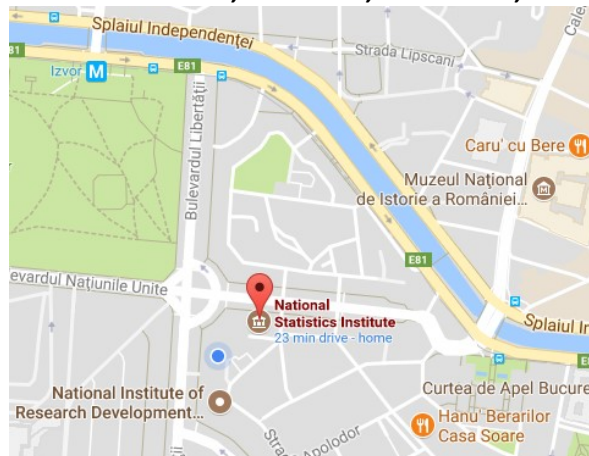
Wednesday, 13 December 2023
09:00 – 09:15 Walk in
09:15 - 09:30 Welcome message
09:30 - 10:30 Keynote speaker 1 "Modernizing Statistical Production Systems Using R" by Mark van der Loo
10:30-11:00 Coffee break
11:00 - 12:30 Scientific session I Sampling and estimation
12:30 - 14:00 Lunch break and Group photo
14:00 - 15:00 Scientific session II Data cleaning
15:00-15:30 Coffee break
15:30-16:30 Scientific session III R in Organization
16:30-17:30 Scientific session IV R in production: automation
19:00 Official dinner

Thursday, 14 December 2023
09:00 – 09:30 Walk in
09:30 - 10:30 Keynote speaker 2 "Programming and collaborations: roles and tools when using R" by Isabella Gollini
10:30-11:00 Coffee break
11:00 - 12:00 Scientific session I Disclosure control, dissemination and visualization
12:00 - 13:00 Scientific session II Using R in new data sources & R in production: data analysis
13:00 Closing remarks

CONFERENCE VENUE

National Institute of Statistics, Bucharest, Romania
Address of National Institute of Statistics:
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GPS: 44°25'47.5"N 26°05'37.0"E