



**ROMANIAN
NATIONAL
INSTITUTE OF
STATISTICS**



**BUCHAREST
UNIVERSITY
OF ECONOMIC
STUDIES**



**ECOLOGICAL
UNIVERSITY
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BUCHAREST**



**NICOLAE
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**UNIVERSITATEA
DIN BUCUREȘTI
— VIRTUTE ET SAPIENTIA —
THE UNIVERSITY
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The 4th International Conference

New Challenges for Statistical Software

- The Use of R in Official Statistics -

PROGRAMME

Bucharest, Romania

7-8 April 2016



<http://www.r-project.ro/conference2016/>

SCIENTIFIC COMMITTEE

- Tudorel ANDREI** – National Institute of Statistics and Bucharest University of Economic Studies, Bucharest, Romania
- Matthias TEMPL** – Statistics Austria & Vienna University of Technology
- Ralf MÜNNICH** – University of Trier, Germany
- Risto LEHTONEN** – University of Helsinki, Finland
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- Ana Maria DOBRE** – National Institute of Statistics
- Monica ROMAN** - Bucharest Academy of Economic Studies

ORGANIZING COMMITTEE

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- Nicoleta CARAGEA** - National Institute of Statistics and Ecological University of Bucharest
- Bogdan OANCEA** – “Nicolae Titulescu” University, Bucharest
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- Marius Nicolae JULA** - “Nicolae Titulescu” University, Bucharest
- Ana Maria DOBRE** - National Institute of Statistics, Bucharest

SECRETARIATE

Ana Maria DOBRE, National Institute of Statistics

CONFERENCE VENUE

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

PROGRAMME

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

April 7, Thursday

12³⁰ – 13⁰⁰

Registration of participants

13⁰⁰ – 13³⁰

Welcoming Address

Tudorel ANDREI, President of National Institute of Statistics, Romania
Matthias TEMPL, Statistics Austria and Vienna University of Technology

Open Session

Adrian DUȘA, University of Bucharest, Department of Sociology and Social Work, Romania
Nicoleta CARAGEA, President of Organizing Committee

Petru JUCOVSCI, Microsoft, Romania

R-based predictive models and solutions in commercial environments – in practice

13³⁰ – 15³⁰

Working Session (I)

Chairman: Matthias TEMPL

Statistics Austria and Vienna University of Technology, Austria

1. Stratification in business and agriculture surveys with R
M. BALLIN, G. BARCAROLI, Elena CATANESE, Marcello D'ORAZIO, Italian National Institute of Statistics, Italy
2. Gender Wage Inequalities in Switzerland: the Public versus the Private Sector
Yves TILLÉ, Mihaela-Catalina ANASTASIADÉ, Institute of statistics, University of Neuchâtel, Switzerland
3. Statistical data processing with R – metadata driven approach
Rudi SELJAK, Jerneja PIKELJ, Statistical Office of the Republic of Slovenia, Slovenia
4. Integrating R and Java for enhancing interactivity of algorithmic data analysis software solutions
Titus Felix FURTUNĂ, Bucharest University of Economic Studies, Romania
Claudiu VINȚE, Bucharest University of Economic Studies, Romania

15³⁰ – 16⁰⁰

Coffee Break and Group Photo

16⁰⁰ – 17⁰⁰

Working Session (II)

Chairman: Adrian DUȘA

University of Bucharest, Department of Sociology and Social Work, Romania

1. Multidimensional sampling of farms proportional to size within "R": a successful Kazakh-German cooperation
Sven SCHMIEDEL, Federal Statistical Office of Germany (DESTATIS)
Zhandos KOZBANOV, (DESTATIS), Committee on Statistics, Kazakhstan
Meiram SEIDAZIMOV, Committee on Statistics, Republic of Kazakhstan
2. A variance estimation R-package for repeated surveys — useful for estimates of changes in quarterly and annual averages
Øyvind LANGSRUD, Statistical Office of Norway, Norway
3. Data editing for complex surveys in presence of administrative data: an application to FSS 2013 livestock data based on the joint sequential use of different R packages
Elena CATANESE, Italian National Institute of Statistics, Italy

19⁰⁰

Dinner

April 8, Friday

9⁰⁰ – 10³⁰

Working Session (III)

Chairman: Martijn TENNEKES
Statistics Netherlands

1. An R implementation of a Recurrent Neural Network trained by Extended Kalman Filter
Bogdan OANCEA, University of Bucharest and National Institute of Statistics, Romania
Tudorel ANDREI, National Institute of Statistics, Romania
2. RR by R in Official Statistics
Ciprian-Antoniade ALEXANDRU, Ecological University of Bucharest, NIS, Romania
Nicoleta CARAGEA, Ecological University of Bucharest, NIS, Romania
3. Estimation of Household Waste in the Republic of Serbia using R software
Melinda TOKAI, Statistical Office of the Republic of Serbia, Sample methodology and data quality control unit, Serbia
4. Use of R in the Statistics Lithuania
Tomas RUDYS, Statistics Lithuania
5. Public perceptions of migration in Germany: a survey analysis using R
Elena-Maria PRADA, Bucharest University of Economic Study, Romania
Monica ROMAN - Bucharest Academy of Economic Studies

10³⁰ – 11⁰⁰ Coffee Break

11⁰⁰ – 12³⁰ Working Session (IV)

Chairman: Ciprian ALEXANDRU

University of Bucharest, Department of Economics, Romania

1. Seasonal Unit Root Test. R Solutions.
Nicolae-Marius JULA, Nicolae Titulescu University, Romania
2. On the visualization of hierarchical, tabular, and spatial data in R
Martijn TENNEKES, Statistics Netherlands
3. Influence Factors of the Economical Development Level Across European Countries
Diana POPA, NIS, Romania
4. A Structural Equations Model of Corporate Reputation
Mihaela Cornelia SANDU, University of Bucharest, Romania
Rodica IANOLE, University of Bucharest, Romania

12³⁰ – 13⁰⁰ Discussions and closing conference

Contact

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