



**ROMANIAN
NATIONAL
INSTITUTE
OF
STATISTICS**



**NATIONAL
CENTRE FOR
TRAINING IN
STATISTICS**



**BUCHAREST
UNIVERSITY
OF
ECONOMIC
STUDIES**



**ECOLOGICAL
UNIVERSITY
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**NICOLAE
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**THE UNIVERSITY
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The 3rd International Conference

New Challenges for Statistical Software

- The Use of R in Official Statistics -

PROGRAMME

Bucharest, Romania

23-24 April 2015



<http://www.r-project.ro/conference2015/>

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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- Dorin JULA** – Romanian Academy – Institute for Economic Forecasting and Ecological University of Bucharest, Romania
- Bogdan OANCEA** – Nicolae Titulescu University and National Institute of Statistics, Bucharest, Romania
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- Elena DRUICA** – University of Bucharest, Romania
- Nicolae-Marius JULA** – Nicolae Titulescu University, Bucharest, Romania
- Ana Maria DOBRE** – National Institute of Statistics

ORGANIZING COMMITTEE

- Tudorel ANDREI** – National Institute of Statistics and University of Economic Studies
- Nicoleta CARAGEA** – National Institute of Statistics and Ecological University of Bucharest
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- Elena DRUICA** – University of Bucharest, Department of Economic and Administrative Sciences
- Mariana PIETREANU** – National Centre for Training in Statistics

SECRETARIATE

Ana Maria DOBRE, National Institute of Statistics

CONFERENCE VENUE

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

DETAILED PROGRAMME

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

April 23, Thursday

09³⁰ – 10⁰⁰ Registration of participants

10⁰⁰ – 10³⁰ Welcoming Address

Tudorel ANDREI, President of National Institute of Statistics, Romania
Nicoleta CARAGEA, President of Organizing Committee
Matthias TEMPL, Statistics Austria and Vienna University of Technology
Ciprian ALEXANDRU, Economics Faculty, Ecological University of Bucharest

Open Session

Adrian DUSA, University of Bucharest, Department of Sociology and Social Work

10³⁰ – 11³⁰ Working Session (I)

Chairman: Adrian DUSA

University of Bucharest, Department of Sociology and Social Work

1. Building R-based data editing systems: a practical case from Statistics Netherlands
Mark VAN DER LOO, Statistics Netherlands
2. sparkTable: Generating Graphical Tables for Websites and Documents with R
Bernhard MEINDL, Statistics Austria
Alexander KOWARIK, Vienna University of Technology
Matthias TEMPL, Statistics Austria and Vienna University of Technology
3. A comparative study of complex survey estimation software in ONS: R vs SAS
Andy FALLOWS, Office for National Statistics – United Kingdom
Megan POPE, Office for National Statistics – United Kingdom
Jonathan DIGBY-NORTH, Office for National Statistics – United Kingdom
Gary BROWN, Office for National Statistics – United Kingdom
Daniel LEWIS, Office for National Statistics – United Kingdom
4. Integration and imputation of survey data in R: the StatMatch package
Marcello D’ORAZIO, Italian National Statistical Institute - Istat

11³⁰ – 12⁰⁰ Coffee Break and Group Photo

12⁰⁰ – 13⁰⁰ Working Session (II)

Chairman: Alon FRIEDMAN

School of Information, University of South Florida, USA

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5. Simulation studies for small area estimation
Jan SEGER, Universität Trier, Germany
6. Variance Estimation Using Package vardpoor in R
Juris BREIDAKS, Central Statistical Bureau of Latvia
7. Usage of r in defining labour market areas
Paweł STOPIŃSKI, Statistical Office in Bydgoszcz, Poland
8. Calibration Approach in Surveys with Nonresponse using R software
Marcin SZYMKOWIAK, Center of Small Area Estimation - Statistical Office in Poznan, Poland
9. The Power of Lotka's Law Through the Eyes of R
Alon FRIEDMAN, School of Information, University of South Florida, USA

13⁰⁰ – 14³⁰ Lunch

14³⁰ – 16⁰⁰ Working Session (III)

Chairman: Mark VAN DER LOO
Statistics Netherlands

10. Accelerating R with high performance linear algebra libraries
Bogdan OANCEA, Nicolae Titulescu University of Bucharest
Tudorel ANDREI, Bucharest University of Economic Studies
Raluca Mariana DRAGOESCU, Bucharest University of Economic Studies
11. Estimation of standard error of parameter of change using simulations
Djordje PETKOVIC, Statistical Office of the Republic of Serbia
12. A study on factors influencing Muslim's consumers preferences towards Takaful products in Malaysia
Kamarul Ariffin MANSOR, Universiti Teknologi MARA, Kedah, Malaysia
Raden Mohd NGISOMUDDIN MASDUKI, Universiti Teknologi MARA, Kedah, Malaysia
Masilah MOHAMAD, Universiti Teknologi MARA, Kedah, Malaysia
Nursidrah ZULKARNAIN, Universiti Teknologi MARA, Kedah, Malaysia
Nor Atikah AZIZ, Universiti Teknologi MARA, Shah Alam, Malaysia
13. The Calibration of Weights by Calif Tool in the Practice of the Statistical Office of the Slovak Republic
Boris FRANKOVIC, Official Statistics, Slovak Republic
Robert VLACUHA, Official Statistics, Slovak Republic

16⁰⁰ – 16¹⁵ Coffee break

16¹⁵ – 17⁰⁰ Working Session (IV)

Chairman: Kamarul Ariffin MANSOR
Universiti Teknologi MARA, Kedah, Malaysia

14. Usage of R in official statistics – survey data analysis at Statistical Office of the Republic of Slovenia
Jerneja PIKELJ, Statistical Office of the Republic of Slovenia
15. Fast aggregation on big datasets. A case study using dplyr and data.table R packages
Gabriel GAIDUCHEVICI, National Bank of Romania, Financial Stability Department
16. Using R for Identification of Data Inconsistency in Electoral Models
Nicolae-Marius JULA, Nicolae Titulescu University
17. Overview of demographic evolution in Romania
Valentina VASILE, Institute of National Economy, Romanian Academy
Ana Maria DOBRE, National Institute of Statistics & Institute of National Economy, Romanian Academy

April 24, Friday

09⁰⁰ – 10⁰⁰

Workshop (topic to be announced)

Lecture: Matthias TEMPL, Statistics Austria and Vienna University of Technology

10⁰⁰ – 11³⁰

Working Session (V)

Chairman: Marcin SZYMKOWIAK

Center of Small Area Estimation - Statistical Office in Poznan, Poland

1. Interactive R App for carrying out an elicitation process applied to prostate cancer in Colombia
Andrés Felipe Flórez RIVERA, Escuela de Estadística, Facultad de Ciencias, Universidad Nacional de Colombia, Medellín, Colombia
Juan Carlos CORREA MORALES, Escuela de Estadística, Facultad de Ciencias, Universidad Nacional de Colombia, Medellín, Colombia
Manuel GARCÍA, Facultad de Medicina, Universidad Sur Colombiana, Neiva, Colombia
2. A Time Series Analysis of Macroeconomic Determinants of Corporate Births in Romania in the period 2008-2013
Marusa BECA, Faculty of Accounting and Management Information Systems, Bucharest University of Economic Studies
Ileana NIȘULESCU-ASHRAFZADEH, Faculty of Accounting and Management Information Systems, Bucharest University of Economic Studies
3. Volatility spillover across energy indices of the European stock markets
Marius ACATRINEI, Postdoctoral Program, Romanian Academy

4. Using R in Generalized Linear Models
Mihaela COVRIG, Bucharest University of Economic Studies
Iulian MIRCEA, Bucharest University of Economic Studies
Gheorghiu ZBĂGANU, University of Bucharest
Alexandru COȘER, Vodafone Romania
Alexandru TINDECHE, BCR Asigurări de viață

11³⁰ – 11⁴⁵ Coffee Break

11⁴⁵ – 13⁰⁰ Working Session (VI)

Chairman: Elena DRUICA

University of Bucharest, Department of Economics

5. Statistical-Based Insights in Spence's Theory of Honest Signaling
Mihaela GRECU, Bucharest University of Economic Studies, Department of Statistics
Elena DRUICA, University of Bucharest
6. Genetic matching for estimating overeducation impact on earnings
Monica Mihaela MAER MATEI, Bucharest University of Economic Studies, National Scientific Research Institute for Labour and Social Protection, Romania
7. Statistical Insights from Romanian Data on Higher Education
Andreea ARDELEAN, University of Bucharest
8. Using R and Excel for detecting patterns in Dacia Pitesti sales between 2007-2014
Mihaela Cornelia SANDU, University of Bucharest
Elena DRUICA, University of Bucharest
Rodica IANOLE, University of Bucharest

Discussions and closing conference

April 24, Friday (Parallel Session)

10⁰⁰ – 11³⁰ Working Session (VII)

Chairman: Nicolae-Marius JULA

Nicolae Titulescu University

9. Factors of life quality material dimension
Andreea CAMBIR, National Institute of Statistics, Romania
10. Computational consideration for selection of social classes in Romania
Andoria IONITA, National Institute of Statistics, Romania
11. Determinants of Labor Force Potential in Romania
Silvia PISICA, National Institute of Statistics, Romania
Nicoleta CARAGEA, Ecological University of Bucharest and National Institute of Statistics, Romania

12. Increasing social inclusion through computer and internet access
*Roxana ADAM, National Institute for Economic Research "Costin C. Kirițescu",
Romanian Academy & National Institute of Statistics
Ana Maria DOBRE, National Institute of Statistics & Institute of National
Economy, Romanian Academy*
13. Analysis of the labor market in Romania in relation with working time
*Nicoleta CARAGEA, Ecological University of Bucharest and National
Institute of Statistics, Romania*
14. Analysis of social services by local budgets using R
Daniel VARDOL, National Institute of Statistics, Romania

Contact

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