The 5th International Conference

New Challenges for Statistical Software

- The Use of R in Official Statistics – uRos2017

PROGRAMME

Bucharest, Romania

6-7 November 2017

http://www.r-project.ro/conference2017/
The 5th International Conference - New Challenges for Statistical Software
- The Use of R in Official Statistics –
 uRos2017
6-7 November, 2017, Bucharest, Romania

SCIENTIFIC COMMITTEE
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Ana Maria CIUHU - National Institute of Statistics, Bucharest

SECRETARIATE
Ana Maria CIUHU, National Institute of Statistics

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

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Supporting the R Language and its Community
PROGRAMME
Conference Room of National Institute of Statistics, Blue Hall, Ground Floor.

November 6, Monday

1230 – 1300 Registration of participants

1300 – 1330 Welcoming Address
Tudorel ANDREI, President of National Institute of Statistics, Romania
Jean-Marc MUSEUX, Eurostat representative

Open Session
Nicoleta CARAGEA, President of Organizing Committee

Keynote Speakers Address
Bogdan OANCEA, National Institute of Statistics/ University of Bucharest, Romania
Ciprian ALEXANDRU, National Institute of Statistics/Ecological University of Bucharest, Romania

1330 – 1530 Workshops Session (I)

Statistical data cleaning with R
Mark van der Loo - Statistics Netherlands

Current developments in R-packages sdcMicro and sdcTable for statistical disclosure control
Bernhard Meindl - Statistics Austria

1530 – 1600 Coffee Break and Group Photo

1600 – 1800 Workshops Session (II)

Outlier detection in R: some remarks
Marcello D’Orazio - Food and Agriculture Organization of The United Nations

R in the statistical office: the UNIDO experience
Valentin Todorov - United Nations Industrial Development Organization (UNIDO)

1900 Dinner
November 7, Tuesday

9:00 – 9:15  Video-Conference, UROS2017 - ASIA PACIFIC, Universiti Teknologi MARA Kedah, Malaysia, www.icmskdh.net

Welcoming Address
Abd Razak Ahmad, Malaysia
Matthias Templ, Keynote Speaker, Austria
Kamarul Ariffin Mansor, Malaysia

9:15 – 11:00  Conference Working Session (I)

Chairman: Mark van der Loo, Statistics Netherlands

1. Towards a new architecture model for cooperation using shared algorithms
   Jean-Marc Museux
   EUROSTAT

   Alexander Kowarik, Statistics Austria
   Mark van der Loo, Statistics Netherlands

3. Methods library of embedded R functions at Statistics Norway
   Øyvind Langsrud
   Statistics Norway - Division for methods

4. Automation of publications using knitr
   Guido Schulz
   The Federal Statistical Office of Germany

5. Determination of the optimal stratum boundaries in the monthly retail trade survey in the Croatian Bureau of Statistics
   Ivana Jurina
   Croatian Bureau of Statistics
   Lidija Gligorova
   Croatian Bureau of Statistics

11:00 – 11:15  Coffee Break
# Conference Working Session (II)

**Chairman: Alexander Kowarik, Statistics Austria**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Authors</th>
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| 11:15 – 13:00 | Using a generalized beta of the second kind distribution to estimate gender wage discrimination | Mihaela-Catalina Anastasiade  
Alina Matei  
Yves Tillé  
Department of Statistics, University of Neuchâtel, Switzerland |
| 13:00 – 14:00 | Lunch                                                                   |                                                                                            |
| 14:00 – 15:45 | Workshops Session (III)                                                |                                                                                            |
| 14:00 – 15:45 | Survey sampling techniques with R                                       | Camelia GOGA, Institut de Mathématiques de Bourgogne, Université de Bourgogne, France  |
| 14:00 – 15:45 | Fast robust center estimation, clustering and Principal Components Analysis with large samples in high dimension with R | Hervé Cardot, Institut de Mathématiques de Bourgogne, Université de Bourgogn, France   |
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14:00 – 15:45 Conference Working Session (III) – parallel section (Protocol Room 1st floor)
Chairman: Ciprian Alexandru - National Institute of Statistics/Ecological University of Bucharest, Romania

1. R programming for the Quarterly National Accounts: Moroccan case
Houssam Hachimi
High Commission for Planning–National Account Department, Morocco

2. Small Area Estimation Methodology on Bogotá Multipurpose Survey
José F. Zea, National Planning Department/Statistics Department of Santo Tomás University, Colombia
Andrés F. Ortiz, Santo Tomás University, Colombia

3. The use of R in the implementation of indirect estimation of monthly unemployment rate (MUR)
Grzegorz Grygiel, Statistical Office Centre for Small Area Statistics Poznań, Poland

4. Sample allocation in Business Surveys
Tomas Rudys, Statistics Lithuania

5. Application of profit-based credit scoring models using R
Selçuk Bayracı
R&D Centre, C/S Information Technologies, Istanbul, TURKEY

6. Ethnic, Linguistic and Religious Diversity Analysis in Romania through R and GIS interoperability
Claudiu Vințe, Marian Dârdală, Titus Felix Furtună
Bucharest University of Economic Studies

7. Correspondence Analysis in R to Support Study of Comparative Migration Intentions among Balkan’s Youth
Claudiu Vințe, Monica Roman
Bucharest University of Economic Studies

15:45 – 16:00 Coffee Break

16:00 – 17:30 Workshops Session (IV)

From unstructured data to structured data - Web scraping for Official Statistics
Bogdan Oancea - National Institute of Statistics/University of Bucharest, Romania
Ciprian Alexandru - National Institute of Statistics/Ecological University of Bucharest, Romania

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Conference Working Session (IV) – parallel section (Protocol Room 1st floor)

Chairman: Bogdan OANCEA, National Institute of Statistics/University of Bucharest

1. **Modelling the potential human capital on the labor market using logistic regression in R**
   Ana Maria Ciuhu, Institute of National Economy, Romanian Academy/ National Institute of Statistics, Romania
   Nicoleta Caragea, National Institute of Statistics/Ecological University of Bucharest, Romania
   Ciprian Alexandru, Ecological University of Bucharest/National Institute of Statistics, Romania

2. **An R GPU implementation of the GMRES method**
   Richard Pospisil
   Palacky University of Olomouc, Czech Republic
   Bogdan Oancea
   National Institute of Statistics/University of Bucharest, Romania

3. **Foreign trade impact on employment efficiency – an analysis using R**
   Elena Bânică
   National Institute of Statistics, Romania
   Valentina Vasile
   Institute of National Economy-Romanian Academy, Bucharest, Romania

4. **Gender Differences in Romanian Rural Migration, 2007-2017**
   Serban Zodian
   Faculty of Agrifood and Environmental Economics-Bucharest University of Economic Studies

5. **Identify Relative importance of covariates in Bayesian lasso quantile regression via new algorithm in statistical program R**
   Fadel Hamid Hadi Alhusseini
   Department of Statistics and Informatics, University of Craiova, Romania
   Taha al Shaybawee
   Faculty of Economics and Business Administration, Al-Qadiseya University, Iraq
   Fedaa Abd Almajid Sabbar Alaraje
   Department of accounting, University of Craiova, Romania

Discussions and closing conference
The 5th International Conference - New Challenges for Statistical Software
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**Attendance list (without papers or presentations)**

- Joachim Schork, STATEC - Institut national de la Statistique et des Etudes Economiques-Conditions de vie, Luxembourg
- Silvia PISICĂ
  National Institute of Statistics, Romania
- Joël Bissonnette
  Statistics Canada
- Florentina-Viorica GHEORGHE
  National Institute of Statistics, Romania
- Kerstin LANGE
  Federal Statistical Office of Germany
- Maria-Laura (Jianu) DĂNILĂ
  National Institute of Statistics, Romania
- Elisa ESTEBAN SEGURADO, Instituto Nacional de Estadística, Departamento de Metodología y Desarrollo de la Producción Estadística, Spain
- Ionela-Roxana GLĂVAN
  National Institute of Statistics, Romania
- Cornelia BARTI
  National Institute of Statistics, Romania
- Artur-Emilian SIMION
  National Institute of Statistics, Romania
- Diana-Ioana POPA
  National Institute of Statistics, Romania
- Simona TOMA
  National Institute of Statistics, Romania
- Rodica IOAN
  Spiru Haret University, Romania
- Cristina SIMION
  National Institute of Statistics, Romania

**Contact**

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

November 6, Monday
12:30 - 13:00  Registration of participants
13:00 - 13:30  Welcoming Address and Open Session
13:30 - 15:30  Workshops Session I
15:30 - 16:00  Coffee Break & Group Photo
16:00 - 18:00  Workshops Session II
19:00          Conference Dinner

November 7, Tuesday
09:00 - 11:00  Working Session I
11:00 - 11:15  Coffee Break
11:15 - 13:00  Working Session II
13:00 - 14:00  Lunch
14:00 - 15:45  Working Session III (paralell section)
14:00 - 15:45  Workshops Session III
15:45 - 16:00  Coffee Break
16:00 - 17:30  Working Session IV (paralell section)
16:00 - 17:30  Workshops Session IV
17:30          Closing conference

VENUE
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