

Workshop of the Advisory Committee on Statistical Methods



Workshop

PROGRAM

ROME - ITALY

19th NOVEMBER 2018

9.00 AM

ISTAT | AULA MAGNA

VIA CESARE BALBO 14

19th NOVEMBER 2018

8.45 **Registration**

9.00 **Welcome**

Monica Pratesi | University of Pisa | President of the Italian Statistical Society - SIS

SESSION I BIG DATA

Chair: Giovanni Alfredo Barbieri | Director of Directorate for development of statistical information and culture | Istat

9.15 **Sampling schemes using scanner data for the consumer price index**

Claudia De Vitiis | Directorate for methodology and statistical process design | Istat

9.30 **Text mining and machine learning techniques for text classification**

Francesco Scafati, Fabiana Bianchi | Directorate for methodology and statistical process design | Istat

9.45 **Use of Internet data in Official Statistics: a proposal for a methodological framework**

Paolo Righi | Directorate for methodology and statistical process design | Istat

10.00 **Discussion**

Li-Chun Zhang | University of Southampton | Statistics Norway | University of Oslo
Maria Giovanna Ranalli | University of Perugia

10.30 **Floor discussion**

10.45 *Coffee break*

SESSION II ESTIMATION METHODS AND ACCURACY

Chair: Pierre Lavallée | External consultant formerly at Statistica Canada

11.15 **The anticipated variance as a measure for the accuracy of complex multisource statistics**

Piero Demetrio Falorsi | Directorate for methodology and statistical process design | Istat

11.30 **Balancing methods for ensuring time and space consistency of demographic estimates in the Italian integrated system of statistical registers**

Marco Di Zio | Directorate for methodology and statistical process design | Istat

11.45 **Integration of administrative sources and survey data through Hidden Markov Models for the production of labour statistics**

Daniela Filippini | Directorate for methodology and statistical process design | Istat

12.00 **Estimation of criminal populations from administrative registers in the presence of linkage errors**
Valentina Chiariello | formerly with a scholarship at Directorate for methodology and statistical process design | Istat

12.15 **Discussion**
Brunero Liseo | Sapienza University of Rome
Li-Chun Zhang | University of Southampton | Statistics Norway | University of Oslo

12.45 **Floor discussion**

13.00 *Lunch break*

SESSION III
CENSUS AND REGISTERS

Chair: Monica Pratesi | University of Pisa | President of the Italian Statistical Society - SIS

14.00 **Census and Social Surveys Integrated System**
Stefano Falorsi | Directorate for social statistics and population census | Istat

14.15 **Data fusion of EU-SILC and HBS at ISTAT**
Mauro Scanu | Directorate for methodology and statistical process design | Istat

14.30 **The Italian Integrated System of Statistical Registers: Design and Implementation of an Ontology-based Data Integration Architecture**
Monica Scannapieco | Directorate for methodology and statistical process design | Istat

14.45 **Discussion**
Maurizio Lenzerini | Sapienza University of Rome

15.15 **Floor discussion**

15.30 *Coffee break*

SESSION IV
QUALITY ISSUES AND GENERALIZED BUSINESS PROCESSES

Chair: Piero Demetrio Falorsi | Director of Directorate for methodology and statistical process design | Istat

16.00 **Generalized Process for Business Statistics**
Mauro Bruno | Directorate for methodology and statistical process design | Istat

16.15 **A new framework for quality assessment of processes based on integrated administrative data**
Roberta Varriale | Directorate for methodology and statistical process design | Istat

16.30 **Methods for treating bias deriving from different sources of nonsampling errors in mixed mode social surveys**
Claudia De Vitiis | Directorate for methodology and statistical process design | Istat

16.45 **Discussion**
Monica Pratesi | University of Pisa | President of the Italian Statistical Society - SIS
Pierre Lavallée | External consultant formerly at Statistica Canada

17.15 **Floor discussion**