



FIFTH WORKSHOP ON METHODOLOGIES FOR OFFICIAL STATISTICS

10-11 DECEMBER 2026

Istat | Aula Magna

Via Cesare Balbo, 14 – Rome, Italy

THURSDAY, 10 DECEMBER

8:30 am

Participant Registration

9:00 – 9:30 am

President's Welcome

Francesco Maria Chelli | President | Istat

SESSION 1

Integration of probability and non-probability sources in official statistics

9:30 – 11:00 am

Master Class

Data integration in the presence of incomplete information, with special reference to nonprobability samples

by P.L. Conti | Sapienza Università di Roma, Italy

Master Class Chair

P.D. Falorsi | formerly at Istat

11:00 – 11:20 am *Coffee Break*

11:20 am – 12:50 pm

Invited Talks

Aggregated-Level integration of probability and nonprobability data

T. De Waal | CBS, the Netherlands

Labour market experimental indicators based on OJA data: a validation approach

A. Lucarelli, M. Amarone, P. di Padova, F. Inglese | Istat

Machine learning for probabilistic record linkage

L. Tosco, T. Tuoto | Istat

A statistical calibration framework for subnational health surveillance from routine data and survey audits

A. Allorant | University of Southampton, U.K.

L.-C. Zhang | University of Southampton, U.K. and Statistics Norway

Invited Talks Chair

B. Liseo | Sapienza Università di Roma

Invited Talks Discussant

M.G. Ranalli | University of Perugia

12:50 – 2:10 pm *Lunch*

SESSION 2

Statistical Modelling/Model-based estimation for official statistics

2:10 – 3:40 pm

Master Class

Weighting non-probability samples using parametric and machine learning methods

by J.-F. Beaumont, C. Bocci and K. Bosa | Statistics Canada, Ottawa, Canada

Master Class Chair

D. Cocchi | University of Bologna

3:40 – 4:00 pm *Coffee Break*

4:00 – 5:30 pm

Invited Talks

Small Area Estimation Methods for Labour Force Indicators: An Application to Labour Market Area

A. Fasulo, A. Martini | Istat

Small area estimation with non-probability survey samples: a doubly robust approach

F. Schirripa Spagnolo, N. Salvati, M. Pratesi, C. Giusti | Università di Pisa

A. D'Agostino | Università di Siena

Applying Bayesian networks in official statistics: the case of the ESS survey for modelling voter turnout and structural learning challenges

P. Vicard, F. Musella | Università Rome Tre

D. Marella | Sapienza Università di Roma

Costly to survey merchants? Sampling and asking consumers — indirect sampling with incomplete ancestry

H. Chen | Bank of Canada

J. Wu | University of Michigan, U.S.

L.-C. Zhang | University of Southampton, U.K. and Statistics Norway

Invited Talks Chair

D. Cocchi | University of Bologna

Invited Talks Discussant

D. Haziza | University of Ottawa, Canada

FRIDAY, 11 DECEMBER

SESSION 3

AI/ML for official statistics

9:30 – 11:00 am

Master Class

Recent developments in AI/ML for production steps in (German) official statistics

by F. Dumpert | DESTATIS, Germany

Master Class Chair

L.-C. Zhang | University of Southampton, U.K. and Statistics Norway

11:00 – 11:20 am *Coffee Break*

11:20 am – 12:50 pm

Invited Talks

An experimental framework to assess the utility-privacy trade-off in models trained on synthetic data

M. De Cubellis, D. Papa, F. Spagnuolo | Istat

F. Ricciato | Eurostat

Measuring occupational exposure to artificial intelligence through patent based semantic matching

L. Shcharbak, B.D. Bernhardt, M. Guarracino | Università di Cassino, Italy

From models to production: methodology implementation and monitoring of machine learning processes in official statistics

S. Barragan | INE Spain

Minerva, the Italian public and open Large Language Model: from research to deployment in public administration

R. Navigli | Sapienza Università di Roma

Invited Talks Chair

N. Shlomo | University of Manchester, U.K.

Invited Talks Discussant

M. Alfò | Sapienza Università di Roma

12:50 – 1:00 pm

CLOSING SESSION

O. Luzzi | Head of Directorate for Methodology and Statistical Process Design | Istat