



IAOS 2026 VILNIUS CONFERENCE SHORT COURSES

Integrating Non-Probability Samples: A Modern Approach to Official Statistics

11 May 2026

Vilnius, Lithuania

Faculty of Mathematics and Informatics of Vilnius University
(Naugarduko g. 24, Vilnius, Lithuania)

Room 301

Instructors: Dr. Andrius Čiginas, Ieva Ramašauskienė, Donatas Šlevinskas
([State Data Agency Statistics Lithuania](#))

Agenda*

08:30-17:35

08:30-09:00 Registration, welcome coffee

09:00-09:20	Opening session	Decision tree for the three main course settings and how they arise in official statistics.
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9:20-10:50	Session 1 One non-probability source	When only a non-probability source is available, but auxiliary information is known for the whole population. Weighting based on estimated participation probabilities, doubly robust methods, and practical diagnostics. Applications: tourism statistics and a short-term statistics turnover example.
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10:50-11:05 Coffee Break**

11:05-12:30	Session 2 Sequential integration I	When a follow-up probability sample is drawn from the complement of a non-probability source. Integration estimators under the working assumption that selection can be explained by observed auxiliary
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		information. Applications: census variables and short-term statistics turnover.
12:30-14:00	Lunch Break***	
14:00-15:30	Session 3 Sequential integration II	Continuation of Session 2, focusing on situations where that working assumption becomes doubtful, on robust combinations of estimators, and on a design-based sequential alternative. Applications: census variables, short-term statistics turnover, and pharmacy sales.
15:30-15:45	Coffee Break**	
15:45-17:15	Session 4 Independent sources and a related measure	Independent probability and non-probability sources, where the external source provides a related rather than exact measure of the target variable. Model-assisted calibration and domain and small-area estimation. Applications: monthly turnover, annual investment, and quarterly job vacancies surveys.
17:15-17:35	Closing session	Return to the decision tree and discuss how participants can map their own production setting to the course approaches.

* Requirements: No advance preparation is required. However, participants are warmly encouraged to reflect on their institutions' experiences with administrative, alternative, or other non-probability data sources, should they wish to enrich the discussion.

**Training courses registration fee includes: participation in the chosen training, coffee breaks, training materials.

*** Lunch is not included in the short course participation fee.

More information is available [here](#).

