



12th European Conference on Quality in Official Statistics (Q2026)
Training course on
“Leveraging Administrative and Privately Held Data for Greater Quality and Scope “

Trainers: Ms Petra Posedel Šimović, Assistant Professor at the University of Zagreb Faculty of Agriculture and visiting Assistant Professor at the University of Zagreb Faculty of Electrical Engineering and Computing

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Course Description: As statistical institutions seek more efficient and granular insights, the integration of administrative and privately held data has become essential. This course offers a hands-on training for professionals aiming to modernize statistical production by reducing reliance on traditional surveys and embracing external data sources.

Participants begin by exploring the types and roles of administrative data (such as tax records, utility usage, and digital traces) alongside key governance and legal considerations. The course then focuses on practical techniques for cleaning and harmonizing these datasets using RStudio, addressing common challenges like error detection and standardization.

A major emphasis is placed on reconciling survey and administrative data, particularly in estimating income and wealth distributions. Through accessible methods like calibration, reweighting, and quantile alignment, participants learn to correct biases and improve data quality without complex modelling.

The training concludes with a full case study, allowing participants to apply their skills in a simulated institutional workflow. By the end, they gain both technical expertise and a strategic framework for integrating diverse data sources into official statistics.

Main goals: This course aims to equip statisticians and analysts with practical skills to integrate administrative and privately held data sources into official statistical production, enhancing both the quality and scope of outputs. Participants will gain hands-on experience in data cleaning, harmonization, and reconciliation techniques, aiming to resolve inconsistencies between survey and administrative data in income and wealth estimation. Participants will also gain hands-on experience with a full statistical workflow they can adapt to their own institutions.



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Target Audience: The course is intended for a wide range of public-sector professionals working with or planning to use administrative or privately held data, including statisticians, analysts, researchers, and data managers. Prior experience with data processing is desirable but not required; all statistical procedures will be explained through live demonstrations and practical sessions in R.

Laptop: Yes.

Maximum no. of participants: 40

Data & Tools: Participants are expected to bring a laptop with R and RStudio installed. All necessary data and scripts will be provided.

Suggested reading

- [European Statistics Code of Practice](#)
- [Guidelines for Assessing the Quality of Administrative Sources for Use in Censuses](#)
- [European statistical system handbook for quality and metadata reports](#)
- [Distributional National Accounts Guidelines Methods and Concepts used in the World Inequality Database](#)
- [R Studio Education](#)