UNECE EXPERT MEETING ON STATISTICAL DATA CONFIDENTIALITY

26 to 28 September 2023

Hochschule RheinMain, Building A ("Audimax" room), Kurt-Schumacher-Ring, 18 65197 Wiesbaden

24 August 2023

Tentative timetable

Tuesday, 26 September 2023

Time	Item
08:45	Registration
09:30	**Welcome and opening** Initial remarks from UNECE
09:45	**Updates from the UNECE High Level Group on the Modernisation of Official Statistics**
09:55	***Topic: Innovative approaches in granting access to microdata*** *Organizers: Aleksandra Bujnowska (Eurostat) & Eric Schulte Nordholt (Statistics Netherlands)*
10:00	**Remote Access for Scientific Use Files – a New Pathway for German Official Statistics Microdata Access** Speaker: Hanna Brenzel, Destatis
10:15	**Remote access to European microdata** Speaker: Frank Espelage, Eurostat
10:30	**Governance of confidential research data in low- and middle-income countries** Speaker: Pedro Ferrer-Breda, University of the West of England
10:45	Questions to the authors
11:00	Topic: General discussion and conclusions
11:15	***Break (20 minutes)***
11:35	***Topic: Producing useful microdata files*** *Organizers: Tomasz Klimanek (Statistical Office in Poznań, Poland) & Eric Schulte Nordholt (Statistics Netherlands)*
11:40	**An overview of data protection strategies for individual-level geocoded data** Speaker: Maike Steffen, Institute for Employment Research (IAB)
11:55	**Smoothing the way for secure data access using synthetic data** Speakers: Emily Oliver, Administrative Data Research UK, Richard Welpton, Economic and Social Research Council
12:10	Questions to the authors
12:20	***Lunch break***
13:30	***Topic: Producing useful microdata files (continued)***
13:35	**Overview of the AnigeD Project and Potentials of Dataset Synthetization for Official Statistics and Research** Speaker: Yannik Garcia Ritz, Destatis
13:55	**Study and analysis for the elaboration and dissemination of microdata of sociodemographic information** Speaker: Marta Mas Moreno, Ana Maria Miranda Ligüerzana, Basque Statistics Office
14:10	Questions to the authors
14:20	Topic: General discussion and conclusions

Time	Item
14:40	**_Topic: Challenges in publishing safe tables and maps_** _Organizer: Sarah Giessing (Destatis)_

14:45	**Protecting High-Resolution Poverty Statistics against Disclosure using Differential Privacy** Speaker: Raphaël de Fondeville, Swiss Federal Statistical Office
15:00	**An overview of used methods to protect the European Census 2021 tables** Speaker: Marieke de Vries, Statistics Netherlands, Reinhard Tent, Destatis
15:15	**A Disclosure-Based Framework for Comparing Frequency Table Protection** Speaker: Daniel Lupp, Statistics Norway

15:30	Questions to the authors
15:45	**_Break (20 minutes)_**

16:05	**Spatial SDC experiments and evaluations – multiple countries comparison** Speaker: Johannes Gussenbauer, Statistics Austria
16:20	**What is Reconstruction and Reidentification? Illustrations from the 2010 US Census Tabular Data Release** Speaker: Krish Muralidhar, University of Oklahoma
16:35	**The Potential of Differential Privacy Applied to Detailed Statistical Tables Created Using Microdata from the Japanese Population Census** Speaker: Shinsuke Ito, Chuo University

16:50	Questions to the authors
17:05	Topic: General discussion and conclusions
17:25	Group photo
17:30	**End of Day 1**

17:30	**Reception, RheinMain campus**

Wednesday, 27 September 2023

Time	Item
09:00	Reflections from day 1
09:15	**_Topic: Risk assessment: Privacy, confidentiality, and disclosure vs utility_** _Organizers: Josep Domingo-Ferrer (Universitat Rovira i Virgili) & Krish Muralidhar (University of Oklahoma)_

09:20	**Assessing the utility of synthetic data: A density ratio perspective** Speaker: Thom Volker, Utrecht University, Statistics Netherlands
09:35	**Intruder testing for Census 2021 England and Wales– checking risk and utility in Build Your Own system** Speaker: Samantha Trace, Office for National Statistics

09:50	Questions to the authors

10:00	**Making Attribute Information of Synthetic Data Interpretable With the Aggregation Equivalence Level** Speaker: Lotte Pater, Ministry of Education, Culture and Science (the Netherlands)
10:15	**Generating Synthetic Microdata and Assessing Statistical Disclosure Risk Measures** Speaker: Aivin V. Solatorio, World Bank

Time	Item
10:30	**Do samples of synthetic microdata population replicate the relationship between samples taken from an original population and that population?** Speaker: Mark Elliot, University of Manchester
10:45	Questions to the authors
11:00	*Break (20 minutes)*
11:20	**Confidence-ranked reconstruction of census records does not reflect privacy risks or reidentifiability** Speaker: Josep Domingo-Ferrer, Universitat Rovira i Virgili
11:35	**Differential privacy for microdata** Speaker: Thijs Benschop, World Bank
11:50	Questions to the authors
12:00	**The case of bounds in noisy protection methods: Selected risk and utility perspectives from official population statistics** Speaker: Fabian Bach, Eurostat
12:15	**Dissemination of agricultural geo-referenced data within the context of the 50x30 initiative: an overview of the tradeoff between disclosure risk and data utility** Speaker: Amsata Niang, United Nations Food and Agriculture Organization
12:30	Questions to the authors
12:40	Topic: General discussion and conclusions
13:00	*Lunch break*
14:10	***Topic: Output checking in research data centres*** *Organizer: Eric Schulte Nordholt (Statistics Netherlands)*
14:15	**A Case Study of Output Checking in Japan** Speaker: Yutaka Abe, National Statistics Center
14:30	**Towards a comprehensive theory and practice of output SDC** Speaker: Felix Ritchie, University of the West of England Bristol
14:45	Questions to the authors
14:55	*Break (20 minutes)*
15:15	**COACH: COmputer-Assisted output CHecking with Human-in-the-Loop** Speaker: Manel Slokom, Statistics Netherlands
15:30	**SACRO: semi-automated output checking** Speaker: Jim Smith, University of the West of England Bristol
15:45	**Checking Data Outputs from Research Works: a Mixed Method with AI and Human Control** Speaker: Titouan Rigaud, CASD Secure data hub
16:00	Questions to the authors
16:15	Topic: General discussion and conclusions
16:35	**End of Day 2**
TBC	**Guided tour/walk**
TBC	**Dinner, by reservation**

Thursday, 28 September 2023

Time	Item
09:00	Reflections from day 2
09:15	**Topic: Other emerging issues** *Organizers: Annu Cabrera (Statistics Finland) & Peter-Paul de Wolf (Statistics Netherlands)*
09:20	**SDC in statistical education - the Polish experience** Speaker: Tomasz Klimanek, Statistical Office in Poznań, Poland
09:35	**Experiments on Federated Data Synthesis** Speaker: Mark Elliot, University of Manchester
09:50	**Insights into privacy-preserving federated machine learning from the perspective of a national statistical office** Speaker: Francesco Pugliese, ISTAT
10:05	Questions to the authors
10:20	**The risk of identity disclosure through network structure: anecdotal evidence from a hackathon** Speaker: Marieke de Vries, Statistics Netherlands
10:35	**Disclosure control issues in complex medical data** Speaker: Elizabeth Green, University of the West of England
10:50	Questions to the authors
11:00	Topic: General discussion and conclusions
11:25	**Outcome of discussions on Future Work**
12:05	Conclusion of the meeting.
12:20	**End of the meeting**