

TOPIC 2: MICRODATA AND OUTPUT PROTECTION

SESSION ORGANIZER: KRISH MURALIDHAR, UNIVERSITY OF OKLAHOMA

PAPERS – FIRST HALF

- A new shiny GUI for sdcMicro
 - Bernhard Meindl, Alexander Kowarik, Matthias Templ, Matthew Welch, and Thijs Benschop
 - Presenter: Bernhard Meindl, Statistics Austria
 - Graphic User Interface (GUI) developed for the sdcMicro tool
- Genetic Algorithms in Matrix Representation and Its Application in Synthetic Data
 - Yingrui Chen, Mark Elliot and Joe Sakshaug
 - Presenter: Yingrui Chen, University of Manchester
 - Genetic algorithms to generate synthetic data

PAPERS – SECOND HALF

- Recognising real people in synthetic microdata: risk mitigation and impact on utility
 - Beata Nowok, Chris Dibben and Gillian M Raab
 - Presenter: Beata Nowok, University of Edinburgh
 - Respondents (incorrectly) identifying themselves in synthetic data
- A unified approach to the assessment of both identification and attribution risks
 - Duncan Smith, Mark Elliot
 - Presenter: Duncan Smith, University of Manchester
 - Modified record linkage to assess both identification and attribution risk