

The ESSnet on Harmonisation of SDC and Software

Anco Hundepool



The main issues of the ESSnet

- Harmonisation of microdata release in multiple countries
- Case studies on tabular data
- Future directions of SDC software tools

Partners

- CBS
- IStat
- Destatis
- SCB
- Statistics Austria

Task 1: Harmonisation of microdata release in multiple countries

Leader: Luisa Franconi, Istat

Goals: test the methodological framework for microdata protection

Choice of measure for the output

User needs

Definition of methodologies

Implementation and reporting

Tested on the CVTS_ → SES

Case studies on tabular data

Leader: Sarah Giessing Destatis

Goals: cell suppression vs perturbation.
at MS level and Eurostat.

Tasks:

- Case studies cell suppression
- Case studies on perturbative methods
- Workshop SDC Census data (Eric Schulte Nordholt)

Future directions of SDC software tools

Leader: Anco Hundepool CBS

Goal: sustainability of the toolset

Tasks:

1. Required functionality
2. User friendliness
3. Integration into the production process
4. Sustainability
5. Documentation of current versions
6. Maintenance/Governance model
7. Platforms
8. Meta data
9. Data file formats
10. LP-solvers

Census 2011 in Europe

Census 2011 is a major event in all EU member states

A lot of work and high costs

Hypercubes = high dimensional tables

Responsibility member states:

- Validate the Census output
- Protect the Census output
- Transform tabular data into SDMX format

Eurostat responsibility:

- DSDs (Data Structure Definitions)

Census 2011 in Europe

- All countries involved
 - Traditional
 - Register based

But

Many SDC issues not solved

So

This workshop

Program

- Introductory speech: Statistical Disclosure Control of frequency tables and the Census Hub, *Eric Schulte Nordholt*
- Overview of the SDC methods (cell suppression, rounding, record swapping, additive noise, etc.), *Sarah Giessing*
- SDC in the 2011 UK Census: Swapping Certainty for Safety, *Joe Frend*

Program

- ABS' Census Table Builder and Remote Execution Environment for Microdata, *Melissa Gare*
- Issues and plans for the disclosure control of the Swedish Census 2011, *Ingegerd Jansson*
- 2001 experience and plans for the Statistical Disclosure Control of the 2011 Census hypercubes in Norway, *Johan Heldal*
- Census Hub, *Marco Pellegrino*

Program

Short presentations by

- *Danilo Dolenc*
- *Jörg Höhne*
- *Bob McCaa*
- *Paolo Valente, UN-ECE*

Open Discussion: Answers / open issues /
conclusions

Workshop

- Have a great workshop
- Be active, ask questions
- Subscribe to the dinner!