



μ -ARGUS



Peter-Paul de Wolf
Methodology, Statistics Netherlands



μ -ARGUS

Software to produce safe microdata (record = entity)
using Statistical Disclosure Techniques (SDC)

Tables at NSIs are not microdata



τ -argus

Not: privacy preserving record linkage

Main users: Statistics Netherlands, other NSIs,
data archive (DANS)

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Developed during several European projects, starting beginning of 1990s

Recently (December 2015) ported to Open Source:
version 5.1.0

Binaries and sources can be downloaded from

<http://neon.vb.cbs.nl/casc/mu.htm>

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Main features:

- Risk measures:
 - Unsafe combinations (levels of identification)
(rare, visible, searchable)
 - Probability distribution based
- SDC techniques:
 - Global recoding, local suppression, PRAM, top/bottom coding, rounding, microaggregation, ...
 - Synthetic data (hybrid IPSO)

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Attacker scenarios:

Legal restrictions: Dutch Statistics Act

- General public
 - Completely anonymous, no control
- Researchers
 - At own desk
 - On-site
 - Remote access
 - Legal restrictions, “trusted” researcher, ...

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Conferences:

Even years: PSD (Privacy in Statistical Databases)

<http://unescoprivacychair.urv.cat/psd2014/>

Odd years: UNECE/Eurostat Workshop on Statistical Data Confidentiality

<http://www.unece.org/index.php?id=37907#/> (2015)

<http://www.unece.org/index.php?id=31958#/> (2013)

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