

# **Services for EU-SILC and EU-LFS**

## **German Microdata Lab at GESIS**

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A European workshop to introduce the EU-SILC and the EU-LFS data  
4 – 5 August 2011, Manchester

## German Microdata Lab at GESIS

- Founded in 1987
- Main tasks
  - **Data Access:** Continuously improving access to official microdata
  - **Service:** Provide comprehensive service and support to social scientists analysing official microdata
  - **Knowledge Transfer:** Organize workshops and conferences on microdata analysis
  - **Research:** Carry out own research with official Microdata

## German Microdata Lab at GESIS

### Principal purpose

- Improve the efficiency of the research process by minimizing the costs for individual researchers in terms of
  - obtaining information about the research potential of the data
  - acquiring basic knowledge (both content & methodology) needed to work with the data
  - data management and data analyses
- Initially focused on German data
- Services for European microdata (focus: EU-LFS & EU-SILC) under development
  - <http://www.gesis.org/en/services/data-analysis/official-microdata/european-microdata/>

- Research
- Study planning
- Data collection
- Data analysis
- Consultation
- Data Archive service
- Survey data
- Official Microdata
- European Microdata**
- Microcensus
- Inc. & Exp.
- VZ 1970
- GDR Microdata
- Workplace and Occupation Censuses
- IAB-Employees sample
- Further informations to microdata access
- Contact
- Mailing Lists
- Data Historical Social Research

## European Microdata

- [European Union Labour Force Survey \(EU-LFS\)](#)
- [European Union Statistics on Income and Living Conditions \(EU-SILC\)](#)
- [European Adult Education Survey \(AES\)](#)
- [Household Budget Survey \(HBS\)](#)
- [Statistics on Information and Communications Technologies usage in households and by individuals \(ICT\)](#)
- [Structure of Earnings Survey \(SES\)](#)
- [European Community Household Panel \(ECHP\)](#)
- [Community Innovation Statistics \(CIS\)](#)

### EU-microdata mailing list

- [Join the mailing list](#)

The EU-microdata mailing list is a mean of communication among researchers working with official EU-microdata (such as EU-SILC or EU-LFS). The list provides a discussion and informational forum for all who are interested in official EU-microdata. Problems can thereby be discussed and/or questions regarding official statistics can be asked.

### Events

#### The European User Conference for EU-LFS and EU-SILC

- [1<sup>st</sup> European User Conference \(2009\)](#)
- [2<sup>nd</sup> European User Conference \(2011\)](#)

### Workshop

## Service - Documentation

Empirical research relies on comprehensive, well-structured documentation of the data

- GML offers documentation through its Microdata Information System MISSY, e.g. linkage of metadata coming from different sources (such as questionnaires, data descriptions, classifications and definitions)
- Currently this service is focused on the German Mikrozensus; but it will be extended to EU-LFS and EU-SILC (MISSY 3)
- Meanwhile see:
  - [EU-LFS: http://www.gesis.org/en/services/data-analysis/official-microdata/european-microdata/eu-lfs/](http://www.gesis.org/en/services/data-analysis/official-microdata/european-microdata/eu-lfs/)
  - [EU-SILC: http://www.gesis.org/en/services/data-analysis/official-microdata/european-microdata/eu-silc/](http://www.gesis.org/en/services/data-analysis/official-microdata/european-microdata/eu-silc/)



- Recherchieren ▶
- Studien planen ▶
- Daten erheben ▶
- Daten analysieren ▼
- Beratung
- Datenservice
- Umfragedaten ▶
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- European Microdata ▼
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Verbrauchsstichprobe ▶
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- Informationen zum weiteren Zugang zu  
Mikrodaten

## European Union Labour Force Survey (EU-LFS)

- [About the EU-LFS](#)
- [Further Information](#)
- [Tools](#)

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- Kontakt

## EU-LFS: Further Information

### Data documentation (provided by Eurostat)

- Core Variables
  - EU-LFS User Guide 2009
  - EU-LFS User Guide 2010
- Ad-hoc Modules
- Anonymisation
- Aggregated results

### Main characteristics of the national surveys

- 2008
- 2009
- Quality Report
- LFS-Domain

### National questionnaires

- Core questionnaires
- Ad-hoc modules questionnaires

### EU LFS regulations



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Kontakt | Feedback

Suchbegriffe eingeben...

- Unser Angebot
- Forschung
- Das Institut
- Publikationen
- Veranstaltungen

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## EU-SILC: Further Information

### Variables-by-year-Matrix

- [Household register](#)
- [Household data](#)
- [Personal register](#)
- [Personal data](#)

### Data documentation (provided by Eurostat)

- [Documents about the EU-SILC Data](#)
- [Description of Target Variables](#)
- [List of variables](#)
- [Ad hoc modules](#)
- [National questionnaires](#)
- [National Quality Reports](#)
- [Methodologies and working papers](#)
- [Net-SILC Methodological Paper](#)
- [Aggregated Results](#)

### EU-SILC Regulations





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- Mailingliste
- Daten Historische Sozialf.
- Soziale Indikatoren

## Variables-by-year-Matrix: Personal data

Variable label	2005	2006	2007	2008
Year of the Survey	<a href="#">PB010</a>	<a href="#">PB010</a>	<a href="#">PB010</a>	<a href="#">PB010</a>
Country	<a href="#">PB020</a>	<a href="#">PB020</a>	<a href="#">PB020</a>	<a href="#">PB020</a>
Personal ID	<a href="#">PB030</a>	<a href="#">PB030</a>	<a href="#">PB030</a>	<a href="#">PB030</a>
Personal cross-sectional weight	<a href="#">PB040</a>	<a href="#">PB040</a>	<a href="#">PB040</a>	<a href="#">PB040</a>
Personal cross-sectional weight for selected respondent	<a href="#">PB060</a>	<a href="#">PB060</a>	<a href="#">PB060</a>	<a href="#">PB060</a>
Quarter of the personal interview	<a href="#">PB100</a>	<a href="#">PB100</a>	<a href="#">PB100</a>	<a href="#">PB100</a>
Year of the personal interview	<a href="#">PB110</a>	<a href="#">PB110</a>	<a href="#">PB110</a>	<a href="#">PB110</a>
Minutes to complete the personal interview	<a href="#">PB120</a>	<a href="#">PB120</a>	<a href="#">PB120</a>	<a href="#">PB120</a>
Quarter of birth	<a href="#">PB130</a>	<a href="#">PB130</a>	<a href="#">PB130</a>	<a href="#">PB130</a>
Year of birth	<a href="#">PB140</a>	<a href="#">PB140</a>	<a href="#">PB140</a>	<a href="#">PB140</a>
Sex	<a href="#">PB150</a>	<a href="#">PB150</a>	<a href="#">PB150</a>	<a href="#">PB150</a>
Father ID	<a href="#">PB160</a>	<a href="#">PB160</a>	<a href="#">PB160</a>	<a href="#">PB160</a>
Mother ID	<a href="#">PB170</a>	<a href="#">PB170</a>	<a href="#">PB170</a>	<a href="#">PB170</a>
Spouse/partner ID	<a href="#">PB180</a>	<a href="#">PB180</a>	<a href="#">PB180</a>	<a href="#">PB180</a>
Marital status	<a href="#">PB190</a>	<a href="#">PB190</a>	<a href="#">PB190</a>	<a href="#">PB190</a>
Consensual union	<a href="#">PB200</a>	<a href="#">PB200</a>	<a href="#">PB200</a>	<a href="#">PB200</a>
Country of birth	<a href="#">PB210</a>	<a href="#">PB210</a>	<a href="#">PB210</a>	<a href="#">PB210</a>
Citizenship 1	<a href="#">PB220A</a>	<a href="#">PB220A</a>	<a href="#">PB200A</a>	<a href="#">PB220A</a>

## Service: Microdata Tools

Official statistics are not primarily designed and collected to serve the research community

- GML provides standardized [Microdata Tools](#) e.g. to
  - help with data management
  - transform data from official statistics into variables more proper for social research, e.g. ESeC
  - standard error estimation
  - [Tools for EU-LFS and EU-SILC](#)
    - transform in Eurostat's csv-data into SPSS and Stata system files
    - More tools to come: Merging files, using the hierarchy in the household data
    - Tools prepared by other researchers are welcome ! (e.g. Tim Goedemé: standard error estimation)
- Benefits
  - Efficiency
  - data from different sources become more comparable and comparability of research findings increases

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## EU-SILC: Tools

[Variables-by-Year Matrix](#)

[Standard error estimates](#)

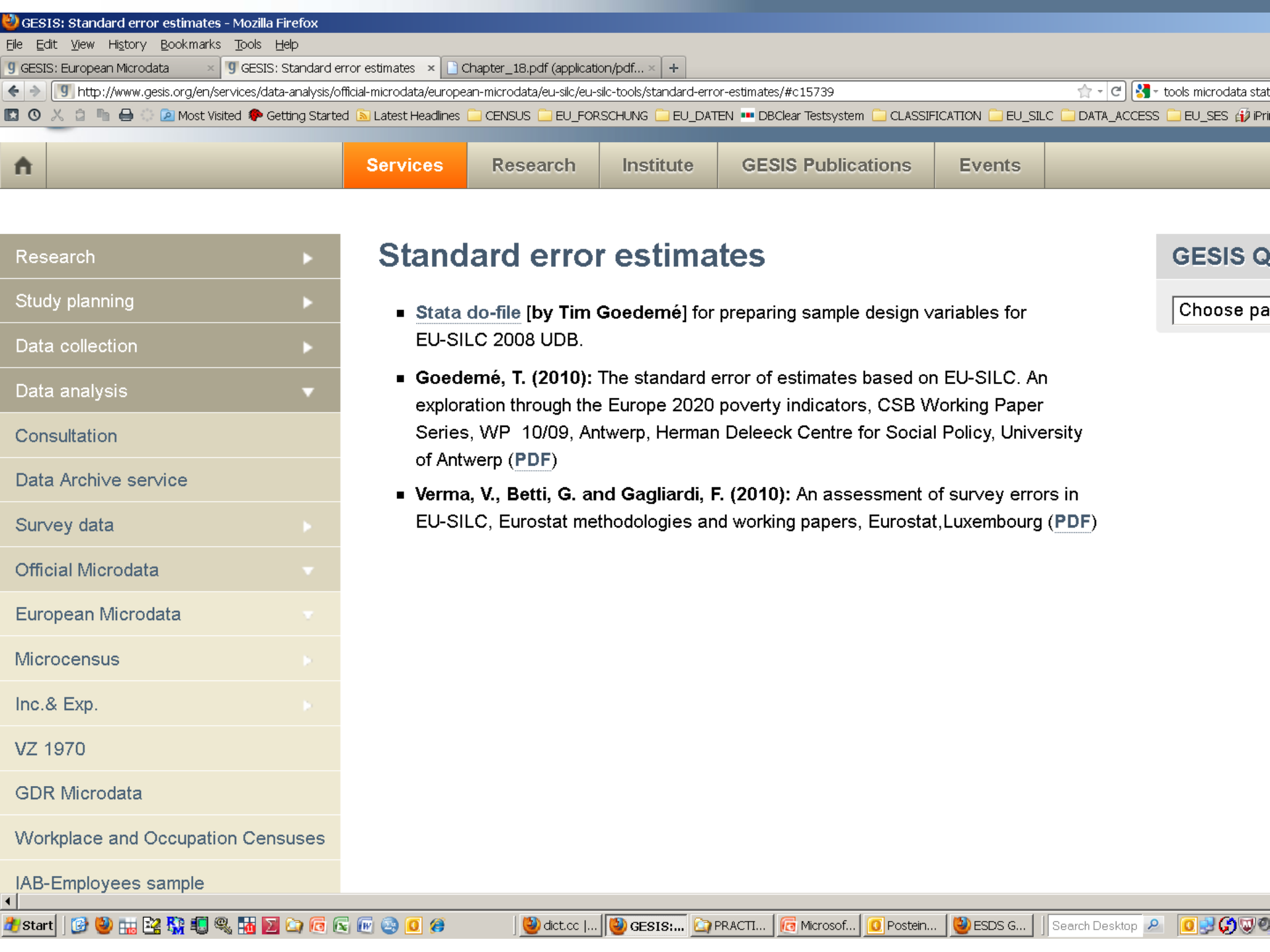
### SPSS Routines: Transformation .csv to SPSS system files (last update 2011-07-19)

#### Cross-sectional

	2005	2006	2007	2008	2009
<b>Household register</b>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>
<b>Household data</b>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>
<b>Personal register</b>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>
<b>Personal data</b>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>

#### Panel

	2007	2008
<b>Household register</b>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>
<b>Household data</b>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>
<b>Personal register</b>	<a href="#">[.sps]</a>	<a href="#">[.sps]</a>
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## Standard error estimates

- **Stata do-file [by Tim Goedemé]** for preparing sample design variables for EU-SILC 2008 UDB.
- **Goedemé, T. (2010):** The standard error of estimates based on EU-SILC. An exploration through the Europe 2020 poverty indicators, CSB Working Paper Series, WP 10/09, Antwerp, Herman Deleeck Centre for Social Policy, University of Antwerp ([PDF](#))
- **Verma, V., Betti, G. and Gagliardi, F. (2010):** An assessment of survey errors in EU-SILC, Eurostat methodologies and working papers, Eurostat, Luxembourg ([PDF](#))

GESIS Q

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## Service - Knowledge Transfer

Lack of university courses on using data from official statistics meets a growing demand for expertise in this field

- GML organizes workshops (introductory and topic-oriented)
- Drawback: EU microdata are yet not available for teaching purposes (in terms of practical lessons), thus we do have to rely on national LFS and SILC data (Austria & UK)

## Service - Building Networks

Scarce opportunities for researchers working on official microdata to meet and discuss findings and problems

- GML organizes [User Conferences](#)
  - offering a forum to present and discuss research findings & needs
  - User Conferences also foster contacts and exchange between researchers and data producers from all over Europe
- GML runs an [eu-microdata mailing list \(eu-microdata-l@gesis.org\)](mailto:eu-microdata-l@gesis.org) through which we inform researchers about new data, new services and events
  - to join the list: send an e-mail to: eu-microdata-l-request(at)gesis(dot)org, Subject line or main body must contain the following command: *subscribe*

## Future Perspectives: Data without boundaries (DwB)

- GML is also engaged in the European joint project DwB
  - 
  - cooperation of NSIs, Council of Social Science Data Archives (CESSDA) -partners and universities
- DwB aims at the improvement of access to official statistics (data & metadata) in Europe
- DwB aims at the development of a European Data Service Center
- In the near future:
  - training workshops for specific data sources (e.g. LFS, AES)
  - calls for proposals for visiting scholarships (funded by DwB)
- Workshops, CfP etc will be announced by the eu-microdata mailing list

Thank you for your attention 😊

Questions are welcome