1. Social Security Notifications for Employment Episodes

- **Procedure**
  - Employers notify employment episodes to the social security system
  - For every employee and marginal worker covered by the social security system (notification requirement)
  - Annually. Or: Begin or end of employment, employment interruption, change of health insurance
  - Identification: individual social security number and establishment number

- **Intention of data collection**
  - Calculation of social security contributions and (unemployment) benefits
  - Statistics
Procedure of Social Security Notifications (simplified)

1. Establishments/Employers
2. Receiving offices of the notification procedure (health insurance companies)
3. German Federal Pension Fund
4. Federal Employment Agency
Notification to the Social Security System:

- Social Security Number
- Establishment Number
- Last Name
- First Name
- Address
- Reason for Notification
- Times of Employment (on a daily basis)
- Nationality
- School Education
- Vocational Training
- Type of Employment
- Wages
- Occupational Status
2. Administrative Data of the Federal Employment Agency

- No information on groups not covered by the social security system such as civil servants, freelancers or self-employed

- **Internal processes of the Federal Employment Agency**
  - Payment/Receipt of unemployment benefits (SGBIII, since 2005 additionally SBGII)
  - Participation in labour market programs
  - Registered job search

- Exact start and end dates
- Computer-aided processes
2. Administrative Data

- Federal Employment Agency transmits data to IAB
- IAB merges social security notifications and BA data
  - (complete) individual employment biographies

Employment history covered by social security system (since 1975)
- Unemployment benefit receipt (since 1975)
- Registered job search (since 2000)
  - (Participation in labor market programs (since 2000))
3. Sample of Integrated Labour Market Biographies (SIAB)

- Approximately 2% random sample drawn from the Integrated Employment Biographies of the IAB

- Two different versions:
  - Weakly anonymous version vs. factually anonymous (Scientific Use File)
  → different forms of data access
### 3. SIAB 1975-2008 (weakly anonymous)

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Time reference</td>
<td>Employment biographies on a day-to-day basis</td>
</tr>
<tr>
<td>Number of cases</td>
<td>1,659,024 individuals</td>
</tr>
<tr>
<td>Topics</td>
<td><strong>Socio-demographic characteristics (examples):</strong> Gender, year of birth, nationality, marital status, number of children, school leaving qualification, skill level, occupational status, etc.</td>
</tr>
<tr>
<td></td>
<td><strong>Information on employment, benefit receipt, job search (examples):</strong> Begin and end of employment, benefit receipt and job search, daily wage, daily benefit rate, occupation, termination of last job, etc.</td>
</tr>
</tbody>
</table>
3. SIAB 1975-2008 (weakly anonymous)

<table>
<thead>
<tr>
<th>Topics (continued)</th>
<th>Information on location (examples): Place of residence, place of work (federal state, county, regional directorate, employment agency)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Information on establishments (examples): Branch of industry, total number of employees, median wage of the establishment, etc. ↬ Establishment History Panel</td>
</tr>
</tbody>
</table>

- Comprise largely the original data without anonymisation process
- Direct identifiers are replaced by artificial numbers

- Data access: Guest Visit (On-Site) and subsequent Remote Execution (Off-Site) → Test data available
3. SIAB Regional File 1975-2008 (factually anonymous)

- Factually anonymous scientific use file of SIAB 7508
- SIAB-R7508 as regional file:
  detailed regional information on place of work (333 Kreisregionen based on Mikrozensusregionen)
- BUT: detailed regional information increases risk of disclosure of individuals or establishments

→ Anonymisation concept:

- Aggregation of data sources, censoring of age information (17 to 62), aggregation and deletion of selected values, variables and episodes, no additional information on employer
3. SIAB-R 7508 (factually anonymous - SUF)

<table>
<thead>
<tr>
<th>Topic</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Period covered</td>
<td>1975 – 2008 (East-Germany since 1992)</td>
</tr>
<tr>
<td>Time reference</td>
<td>Employment biographies on a day-to-day basis</td>
</tr>
<tr>
<td>Number of cases</td>
<td>1,515,463 individuals</td>
</tr>
<tr>
<td>Type of SUF</td>
<td>Regional file</td>
</tr>
<tr>
<td>Topics</td>
<td><strong>Socio-demographic characteristics (examples):</strong> Gender, year of birth, dummy for German nationality, school education and vocational training, skill level, occupational status, etc.</td>
</tr>
<tr>
<td></td>
<td><strong>Information on employment, benefit receipt, job search (examples):</strong> Begin and end of employment, benefit receipt and job search, daily wage, daily benefit rate, occupation (aggr.), etc.</td>
</tr>
<tr>
<td></td>
<td><strong>Information on location (examples):</strong> Place of work (333 regions), dummy for place of residence</td>
</tr>
<tr>
<td></td>
<td><strong>Information on establishments (examples):</strong> Branch of industry (aggr.)</td>
</tr>
</tbody>
</table>
3. SIAB-R 7508 (factually anonymous -SUF)

Data access:

- Secure Download (or CD)
- Data must be processed on the premises of the research institution
4. Outlook

- Updated versions of SIAB (1975-2010)
- Subscribe to our newsletter for the latest information on our data products

http://fdz.iab.de
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